5857
U5B218
1910
Ent.

Daniel J. Hagg

Issued January 17, 1910.

U. S. DEPARTMENT OF AGRICULTURE,
BUREAU OF ENTOMOLOGY—BULLETIN No. 81.

L. O. HOWARD, Entomologist and Chief of Bureau.

A LIST OF
WORKS ON NORTH AMERICAN ENTOMOLOGY.

Compiled for the use of students and other workers as well as for
those about to begin the collection and study of insects.

BY

NATHAN BANKS,
Assistant.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1910.

BUREAU OF ENTOMOLOGY.

L. O. HOWARD, *Entomologist and Chief of Bureau.*

C. L. MARLATT, *Assistant Entomologist and Acting Chief in Absence of Chief.*

R. S. CLIFTON, *Executive Assistant.*

CHAS. J. GILLISS, *Chief Clerk.*

F. H. CHITTENDEN, *in charge of truck crop and stored product insect investigations.*

A. D. HOPKINS, *in charge of forest insect investigations.*

W. D. HUNTER, *in charge of southern field crop insect investigations.*

F. M. WEBSTER, *in charge of cereal and forage insect investigations.*

A. L. QUAINANCE, *in charge of deciduous fruit insect investigations.*

E. F. PHILLIPS, *in charge of bee culture.*

D. M. ROGERS, *in charge of preventing spread of moths, field work.*

ROLLA P. CURRIE, *in charge of editorial work.*

MABEL COLCORD, *librarian.*

LETTER OF TRANSMITTAL.

UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF ENTOMOLOGY,
Washington, D. C., October 19, 1909.

SIR: I have the honor to transmit herewith a manuscript, by Mr. Nathan Banks, an assistant in this Bureau, entitled "A List of Works on North American Entomology." Similar lists, by Mr. E. A. Schwarz and Mr. Nathan Banks, were published in 1888 and 1900 as Bulletin No. 19, old series, and Bulletin No. 24, new series, of this office. Since 1900 the number of publications on North American insects has greatly increased, so that Bulletin No. 24 is now very much out of date and there is a great demand among economic entomologists, students, and other workers for a new bulletin covering the same subject. I therefore recommend the publication of this manuscript as Bulletin No. 81, of the Bureau of Entomology.

Respectfully,

L. O. HOWARD,
Entomologist and Chief of Bureau.

Hon. JAMES WILSON,
Secretary of Agriculture.

CONTENTS.

	Page.
Introduction	7
Comprehensive works most useful for the study of North American insects...	7
Bibliography	9
Systematic works on single orders of insects:	
Hymenoptera	10
Diptera	27
Siphonaptera	40
Lepidoptera	40
Coleoptera	51
Strepsiptera	79
Hemiptera	79
Thysanoptera	90
Anoplura	90
Orthoptera	90
Neuroptera (including Pseudoneuroptera)	97
Mallophaga	101
Thysanura	102
Myriapoda	103
Arachnida	104
Works on economic entomology	110
Works on medical entomology	112
The more important periodicals cited in this bulletin	113
How to obtain entomological books and pamphlets	117

A LIST OF WORKS ON NORTH AMERICAN ENTOMOLOGY.

INTRODUCTION.

This list of works on North American insects is a revision of Bulletin No. 24 (new series), together with the additional titles that have been published since the issuance of that bulletin (1900). These additions are very extensive in some of the orders; indeed, in many families the recent literature has completely replaced all that before treated of the family in this country. The appearance of Wytsman's *Genera Insectorum* has added many papers of the greatest importance to the systematist. The widening importance of entomology has shown that almost any group hitherto of little economic value may suddenly become of great importance. Therefore it is useful to keep posted on all systematic work.

This list is intended to aid the student in such systematic study as is now a necessary qualification for economic work.

A new chapter has been added, namely, titles of value in medical entomology.

COMPREHENSIVE WORKS MOST USEFUL FOR THE STUDY OF NORTH AMERICAN INSECTS.

SAY, THOMAS.—Complete writings on the entomology of North America; edited by J. L. Le Conte. 2 vols. New York, 1859.

Principally descriptions of new species; contains a glossary to entomological terms. Now out of print.

COMSTOCK, J. H.—A manual for the study of insects. Ithaca, N. Y., 1895.

PACKARD, A. S.—Guide to the study of insects. New York. Many editions. (First edition, Salem, 1869.)

———A text-book of entomology. New York, 1898.

Anatomy and morphology.

KELLOGG, V. L.—American insects. New York, 1905, pp. 674, many figures. Second revised edition, American Nature Series, 1908.

FOLSOM, J. W.—Entomology, with special reference to its biological and economic aspects. Philadelphia, 1906, pp. 485, many figures.

HOWARD, L. O.—The insect book. New York, 1901, pp. 428, pls. 48.

BANKS, N.—Directions for collecting and preserving insects. <Bul. 67, U. S. Nat. Mus., 1909, pp. 135.

HYATT, A., and ARMS, J. M.—Insecta. No. VIII. Guides for science teaching. Boston, 1890.

BURMEISTER, H. C. C.—Handbuch der Entomologie. Berlin, 1832–1855. 5 vols. I. Allgemeine Entomologie.

The first volume treats of general entomology; Vol. II, part 1, of the Hemiptera; part 2, of Orthoptera; part 3, of Neuroptera; the remaining volumes of Coleoptera.

The first volume has been translated by W. E. Shuckard, under the title, Manual of Entomology. 1 vol. London, 1836.

WESTWOOD, J. O.—An introduction to the modern classification of insects, founded on the natural habits and corresponding organization of the different families. 2 vols. London, 1839–1840.

KIRBY, W., and SPENCE, W.—An introduction to entomology. 4 vols. London, 1815–1826. Several later editions, some in two volumes.

SHARP, D.—The Cambridge natural history; insects. 2 vols.: Vol. 1, 1895; vol. 2, 1899. London.

KOLBE, H. J.—Einführung in die Kenntniss der Insekten. Berlin, 1893.

KÜNCKEL D'HERCULAIS, J.—Les Insectes, les Myriopodes, et les Arachnides. Edition française, A. E. Brehm, Merveilles de la Nature. 2 vols. Paris, 1883.

THE STANDARD NATURAL HISTORY.—Edited by J. S. Kingsley. Boston, 1884–1885.

Volume II contains the insects, treated by the following authors: Hymenoptera, J. H. Comstock and L. O. Howard; Coleoptera, Geo. Dimmock; Lepidoptera, H. Edwards and C. H. Fernald; Diptera, S. W. Williston; Orthoptera, C. V. Riley; Hemiptera, P. R. Uhler; Neuroptera, A. S. Packard; Arachnida, J. H. Emerton.

BIOLOGIA CENTRALI-AMERICANA.—Edited by T. Dugane Godman and Osbert Salvin. London, issued in parts. [Unfinished.]

The different subjects, as far as published, may be secured by purchase from foreign book dealers.

COWAN, F.—Curious facts in the history of insects. Philadelphia, 1865, pp. 396.

COMSTOCK, J. H.—Insect Life. New York, 1897, pp. 349. New Edition, 1901.

ISAAC, J.—Entomology in outline. <2nd Bien. Rep. Comm. Hort. Cal., f. 1905–1906, pp. 37–154, 1907.

PACKARD, A. S.—Entomology for beginners. New York, 1892.

- HUNTER, S. J.—Elementary studies in insect life. Topeka, Kans., 1902.
- SMITH, J. B.—Explanation of terms used in entomology. Brooklyn Entomological Society, 1906.
- HANDLIRSCH, A.—Die fossilen Insekten, und die Phylogenie der rezenten Formen. Leipzig, 1908, 8 parts, many plates.

BIBLIOGRAPHY.

- HAGEN, H. A.—Bibliotheca entomologica. Die Litteratur über das ganze Gebiet der Entomologie bis zum Jahre 1862. Leipzig, 1862.
- TASCHENBERG, O.—Bibliotheca Zoologica. II, 1889; III, 1890. Leipzig.

Dealing with the literature of entomology from 1861 to 1880; the first volume, under Carus and Engelmann, brought the subject down to 1861, duplicating Hagen's work.

ZOOLOGICAL RECORD.—Published each year by the Zoological Society of London.

BIBLIOGRAPHIA ZOOLOGICA.—Published in parts, in connection with the Zoologischer Anzeiger.

SCUDDER, S. H.—Nomenclator zoologicus. <Bul. 22, U. S. Nat. Mus., 1882.

Contains a universal index to the genera used in zoology down to 1880.

WATERHOUSE, C. O.—Index zoologicus. London, 1902, pp. 421.

Names of new genera from 1880 to 1900; thus a supplement to Scudder's work.

CONCILIIUM BIBLIOGRAPHICUM, ZÜRICH, SWITZERLAND, issues references on cards. One can purchase the cards on any particular group very cheaply.

CURRENT LITERATURE is catalogued in several publications, notably Bulletin de la Société Entomologique de France, Zeitschrift für wissenschaftliche Insektenbiologie, Entomologische Litteraturblätter, and Zoologischer Anzeiger.

HENSHAW, S.—Bibliography of American economic entomology. Parts I–V. <U. S. Dept. Agr., 1890–1896.

Literature down to July 1, 1888.

BANKS, N.—Bibliography of American Economic Entomology. Parts VI, VII, VIII. <U. S. Dept. Agr., 1898, 1901, 1905.

Literature from June 30, 1888, to January 1, 1905.

BIBLIOGRAPHY OF INSECTS OF THE WEST INDIES.—Report of Committee, Proceedings British Association for the Advancement of Science, 1888, pp. 1–28.

FAUNA ARCTICA.—Edited by Römer and Schaudinn, Jena. Entomological parts are: Collembola, by Schaeffer, 1900; Lepidoptera, by Pagenstecher, 1901; Tenthredinidæ, by Kiaer, 1902; Hymenoptera, by Friese, 1902; Hemiptera, by Breddin, 1902; Acarida, by Tragardh, 1905; Aranea, Opiliones, Chernetes, by Strand, 1906; Myriopoda, by Attems, 1906.

SYSTEMATIC WORKS ON SINGLE ORDERS OF INSECTS.

HYMENOPTERA.

I.—CATALOGUES.

CRESSON, E. T.—Catalogue of species and bibliography. Part 2 of Synopsis of the Hymenoptera of America, north of Mexico. Synopsis and catalogue. <Trans. Amer. Ent. Soc., Supplementary volume, 1887. Philadelphia, 1887.

DALLA TORRE, C. G. DE.—Catalogus Hymenopterorum. 10 vols. Leipzig, 1893–1900.

I, Tenthredinidæ; II, Cynipidæ; III, Ichneumonidæ, etc.; IV, Braconidæ; V, Chalcididæ and Proctotrupidæ; VI, Chrysididæ; VII, Formicidæ; VIII, Fossores; IX, Vespidae; X, Apidae. Each volume can be purchased separately.

II. GENERAL WORKS ON CLASSIFICATION.

CRESSON, E. T.—Synopsis of the families and genera of the Hymenoptera, north of Mexico, together with a catalogue of the described species and bibliography. <Trans. Amer. Ent. Soc., supplementary volume, Part I, 1887.

The second part contains the Catalogue of Species and Bibliography.

LEPELETIER DE SAINT FARGEAU, COMPTE AMÉDÉE.—Histoire naturelle des insectes, Hyménoptères. 4 vols., Paris, 1836–1846, pls. 48. Fourth vol. by A. Brullé.

FOX, W. J.—A proposed classification of the fossorial Hymenoptera of North America. <Proc. Acad. Nat. Sci. Phila., 1894, pp. 292–307.

ASHMEAD, W. H.—Classification of the horntails and sawflies, or the suborder Phytophaga. <Can. Ent., 1898, pp. 142–148, 177–183, 205–213, 226–232, 249–257, 281–287.

——— Classification of the bees, or the superfamily Apoidea. <Trans. Amer. Ent. Soc., xxvi, pp. 49–100, 1899.

——— Superfamilies in the Hymenoptera and generic synopses of the families Thynnidae, Myrmosidae, and Mutillidae. <Journ. N. Y. Ent. Soc., 1899, pp. 45–60.

ASHMEAD, W. H.—A classification of the entomophilous wasps, or the superfamily Sphegoidea. <Can. Ent., 1899, pp. 145-155, 161-174, 212-225, 238-251, 291-300, 322-330, 345-357.

——— Classification of the ichneumon flies, or the superfamily Ichneumonoidea. <Proc. U. S. Nat. Mus., xxiii, pp. 1-200, 1900.

——— Classification of the fossorial, predaceous, and parasitic wasps, or the superfamily Vespoidea. <Can. Ent., 1900, pp. 145-155, 185-188, 295-296; 1902, pp. 79-88, 131-137, 163-166, 203-210, 218-231, 268-273, 287-291; 1903, pp. 3-8, 39-44, 95-107, 155-158, 199-205, 303-310, 323-332; 1904, pp. 5-9.

——— Classification of the pointed-tailed wasps, or the superfamily Proctotrypoidea. <Journ. N. Y. Ent. Soc., 1902, pp. 240-247; 1903, pp. 28-35, 86-99.

——— Classification of the gall-wasps and the parasitic Cynipoids, or the superfamily Cynipoidea. <Psyche, 1903, pp. 7-13, 59-73, 140-155, 210-216.

——— Classification of the chalcid flies, or the superfamily Chalcidoidea. <Mem. Carnegie Mus., i, No. 4, pp. 531, pls. 9, 1904.

III.—MONOGRAPHS AND SYNOPSES.

TENTHREDINIDÆ AND UROCERIDÆ.

NORTON, E.—Catalogue of the described Tenthredinidæ and Uroceridæ of North America. <Trans. Amer. Ent. Soc., i, pp. 31-84, 193-280, 1867; ii, pp. 211-242, 321-367, 1868-1869.

Gives synoptic tables of genera and species of both families; the Uroceridæ are treated in Vol. II, pp. 349-367.

CRESSON, E. T.—Catalogue of the Tenthredinidæ and Uroceridæ of North America. <Trans. Amer. Ent. Soc., viii, pp. 53-68, 1880.

A synonymical reference list of the species; the Uroceridæ are treated on pp. 66-67.

CAMERON, P.—Monograph of the British Phytophagous Hymenoptera. 2 vols. London, 1882-1885.

Contains an arrangement of the subfamilies and genera of Tenthredinidæ, which has been reproduced by Cresson in his general work of classification.

KONOW, W. F.—Fam. Tenthredinidæ. <Gen. Ins., Fasc. 29, pp. 176, pls. 3, 1905.

——— Fam. Siricidæ. <Gen. Ins., Fasc. 28, pp. 14, pl. 1, 1905.

——— Fam. Lydidæ. <Gen. Ins., Fasc. 27, pp. 27, pl. 1, 1905.

MACGILLIVRAY, A. D.—A study of the wings of the Tenthredinoidea, a superfamily of Hymenoptera. <Proc. U. S. Nat. Mus., xxix, pp. 569–654, pls. 24, 1906.

Table to the subfamilies.

MARLATT, C. L.—Revision of the Nematinae of North America, a subfamily of leaf-feeding Hymenoptera of the family Tenthredinidae. <Tech. ser. 3. Div. Ent., U. S. Dept. Agr., pp. 135, 1896.

MACGILLIVRAY, A. D.—New species of Tenthredinidae, with table of species of Strongylogaster and Monoctenus. <Can. Ent., 1894, pp. 324–328.

——— The American species of Priophorus. <Can. Ent., 1906, pp. 305–307.

——— New species of Tenthredo. <Journ. N. Y. Ent. Soc., 1897, pp. 103–108.

Table of part of genus.

——— The American species of Perineura. <Can. Ent., 1895, pp. 7–8.

——— A new genus and some new species of Tenthredinidae. <Can. Ent., 1909, pp. 345–362.

Table of Caliroa.

HARRINGTON, W. H.—Canadian Hymenoptera, No. 4. <Can. Ent., 1894, pp. 193–196.

Table of Monophadnus and part of Tenthredo.

ROHWER, S. A.—The sawfly genus *Cryptocampus* in Boreal North America. <Journ. N. Y. Ent. Soc., 1909, pp. 7–25.

DYAR, H. G.—The larvæ of the North American sawflies. <Can. Ent., 1895, pp. 337–344.

——— On the larvæ of certain Nematinae and Blennocampinae, with description of new species. <Journ. N. Y. Ent. Soc., 1898, pp. 121–138.

Tables to *Periclista*, *Isodyctium*, the larvæ of *Blennocampinae*, and Ashmead's table to genera of *Blennocampinae*.

BRADLEY, C. J.—The North American *Oryssidae*. <Trans. Amer. Ent. Soc., xxvii, pp. 317–318, 1901.

CYNIPIDÆ.

OSTEN SACKEN, C. R.—On the Cynipidæ of the North American oaks and their galls. <Proc. Ent. Soc. Phila., i, pp. 47–72, 1861–1863; additions and corrections, l. c., pp. 241–259.

OSTEN SACKEN, C. R.—Contributions to the natural history of the Cynipidæ of the United States. <Proc. Ent. Soc. Phila., II, pp. 33–49, 1863–1864; IV, pp. 331–380, 1865; Trans. Amer. Ent. Soc., III, pp. 54–64, 1870–1871.

Continuation of the foregoing paper, both containing valuable contributions to the classification of genera and species.

WALSH, B. D.—On dimorphism in the Hymenopterous genus *Cynips*; with an appendix, containing hints for a new classification of Cynipidæ, including descriptions of several new species inhabiting the oak galls of Illinois. <Proc. Ent. Soc. Phila., II, pp. 443–500, 1863–1864.

MAYR, G.—Die Genera der gallenbewohnenden Cynipiden. <20ter Jahresbericht der Communal-Oberrealschule im I. Bezirk. Wein, 1881.

ASHMEAD, W. H.—A bibliographical and synonymical catalogue of the North American Cynipidæ, with description of new species. <Trans. Amer. Ent. Soc., XII, pp. 291–304, 1885.

———Synopsis of the North American subfamilies and genera of Cynipidæ. <Trans. Amer. Ent. Soc., XIII, pp. 59–64, 1886.

VON DALLA TORRE, K. W., et KIEFFER, J. J.—Fam. Cynipidæ. <Gen. Ins., Fasc. 9 & 10, pp. 84, pls. 3, 1902.

ASHMEAD, W. H.—On the cynipidous galls of Florida, with descriptions of new species and synopses of the described species of North America. <Trans. Amer. Ent. Soc., XIV, pp. 125–158, 1887.

GILLETTE, C. P.—A monograph of the genus *Synergus*. <Trans. Amer. Ent. Soc., XXIII, pp. 85–100, 1896.

BEUTENMÜLLER, W.—The North American species of *Rhodites* and their galls. <Bul. Amer. Mus. Nat. Hist., XXIII, pp. 629–651, 1907.

———The species of *Holcaspis* and their galls. <Bul. Amer. Mus. Nat. Hist., XXVI, pp. 29–45, 1909.

———The species of *Amphibolips* and their galls. <Bul. Amer. Mus. Nat. Hist., XXVI, pp. 47–66, 1909.

———The North American species of *Diastrophus* and their galls. <Bul. Amer. Mus. Nat. Hist., XXVI, pp. 135–145, 1909.

———The species of *Biorhiza*, *Philonix*, and allied genera and their galls. <Bul. Amer. Mus. Nat. Hist., XXVI, pp. 243–256, 1909.

———Some North American Cynipidæ and their galls. <Bul. Amer. Mus. Nat. Hist., XXVI, pp. 277–281, 1909.

Treats of *Eumayria*, *Belonocnema*, *Solenozopheria*, and *Compsodrycenus*.

EVANIIDÆ.

SCHLETTERER, A.—Die Hymenopteren-Gruppe der Evaniiden. <Ann. k. k. Naturh. Hofmuseums, Wien, iv, pp. 107–180, 289–338, 373–546, 1889.

KIEFFER, J. J.—Fam. Evaniidæ. <Gen. Ins., Fasc. 2, pp. 13, pl. 1, 1902.

BRADLEY, C. J.—The Evaniidæ of America, north of Mexico. <Trans. Amer. Ent. Soc., xxviii, pp. 319–330, pl. 1, 1901.

Treats only of the Aulacinae.

———The Evaniidæ, ensign-flies; an archaic family of Hymenoptera. <Trans. Amer. Ent. Soc., xxxiv, pp. 101–194, pls. 11, 1908.

ICHNEUMONIDÆ.

FOERSTER, A.—Synopsis der Familien und Gattungen der Ichneumonen. <Verh. naturh. Ver. preuss. Rheinl. u. Westphal., xxv, pp. 135–221, 1868. Aachen.

BERTHOUMIEU, V.—Subfam. Ichneumoninae. <Gen. Ins., Fasc. 18, pp. 87, pls. 2, 1904.

SZEPLIGETI, V.—Fam. Ichneumonidae. Gruppe Ophioninae. <Gen. Ins., Fasc. 34, pp. 71, pls. 2, 1905.

SCHMIEDEKNECHT, O.—Subfam. Pimplinae. <Gen. Ins., Fasc. 62, pp. 120, pls. 2, 1907; Subfam. Cryptinae. <Gen. Ins., Fasc. 75, pp. 165, pls. 4, 1908.

NORTON, E.—Catalogue of our species of Ophion, Anomalon, Paniscus, and Campoplex. <Proc. Ent. Soc. Phila., i, pp. 357–368, 1863.

Synoptic arrangement of the North American genera and species of the subfamily Ophioninae.

CRESSON, E. T.—Descriptions of North American Hymenoptera in the collection of the Entomological Society of Philadelphia. <Proc. Ent. Soc. Phila., iii, pp. 131–196, 1864.

Consists chiefly of a synopsis of the North American species of the genus Ichneumon.

———A list of the Ichneumonidae of North America, with descriptions of new species. <Trans. Amer. Ent. Soc., i, pp. 289–312, 1867; ii, pp. 89–114, 1868–1869.

———Descriptions of new species belonging to the subfamily Pimplariae found in America, north of Mexico. <Trans. Amer. Ent. Soc., iii, pp. 143–172, 1870–1871.

Tabulates the genera Pimpla, Polysphincta, Glypta, Arenetra, Lampronota, Xylonomus, and Odontomerus, with a list of all species.

CRESSON, E. T.—Notes on the species belonging to the subfamily Ichneumonides found in America, north of Mexico. <Trans. Amer. Ent. Soc., VI, pp. 129–212, 1877.

A synopsis of the genera and species of the subfamily Ichneumoninae.

DAVIS, G. C.—A review of the Ichneumonid subfamily Tryphoninae. <Trans. Amer. Ent. Soc., xxiv, pp. 193–348, 1897.

——— A monograph of the tribe Bassini. <Trans. Amer. Ent. Soc., xxii, pp. 17–30, 1895.

——— Two new species of Clistopyga. <Ent. News, 1895, pp. 198–199.

Contains table of species.

ASHMEAD, W. H.—Descriptions of new Ichneumonidæ in the collection of the U. S. National Museum. <Proc. U. S. Nat. Mus., xii, pp. 387–451, 1900.

Tables of Eristicus, Cryptus, Hemiteles, Orthopelma, and Linneria.

FELT, E. P.—Synopsis of certain genera of the Ophionini. <19th Rep. N. Y. State Ent., Bul. 76, N. Y. State Mus., pp. 97–125, pls. 2, 1904.

BRADLEY, C. J.—The genus *Platylabus* Wesmael. <Can. Ent., 1903, pp. 275–283.

BRUES, C. T.—Descriptions of new ant-like and myrmecophilous Hymenoptera. <Trans. Amer. Ent. Soc., xxix, pp. 119–128, pl. 1, 1903.

Table of *Pezomachus*.

DAVIS, G. C.—A study of the genus *Meniscus*. <Can. Ent., 1894, pp. 321–324.

HARRINGTON, W. H.—Two new species of Canadian *Pimplinae*. <Can. Ent., 1891, pp. 132–134.

Tables to *Xorides* and *Xylonomus*.

——— Canadian Hymenoptera No. 2. <Can. Ent., 1893, pp. 29–32. Synopsis of *Coleocentrus* and *Ecthrus*.

HERTZOG, P. H.—A new *Euceros*. <Ent. News, 1909, pp. 245–246.

SCHMIEDEKNECHT, O.—Opuscula Ichneumonologia. Blankenburg im Thüringen.

Very useful in classification; 22 fascicles now issued.

STEPHANIDÆ.

KIEFFER, J. J.—Fam. Stephanidæ. <Gen. Ins., Fasc. 77, pp. 10, pl. 1., 1909.

BRACONIDÆ.

CRESSON, E. T.—List of the North American species of the genus *Aleiodes*, Wesmael. <Trans. Amer. Ent. Soc., ii, pp. 377–382, 1868–1869.

- RILEY, C. V.—On North American Microgasters, with descriptions of new species. <Trans. St. Louis Acad. Sci., iv, No. 2, 1881.
- MARSHALL, T. A.—Monograph of the British Braconidæ. Part I. <Trans. Ent. Soc. London, 1885, pp. 1–280, pls. i–iv.
 Marshall's classification is that reproduced by Cresson in his Synopsis.
- ASHMEAD, W. H.—Synopsis of the Hormiinae of North America. <Trans. Amer. Ent. Soc., xx, pp. 39–44, 1893.
- FOERSTER, A.—Synopsis der Familien und Gattungen der Braconen. <Verh. naturh. Ver. preuss. Rheinl. u. Westphal., xix, Aachen., pp. 225–288, 1862.
- SZÉPLIGETI, V.—Fam. Braconidæ. <Gen. Ins., Fasc. 22, a & b, pp. 253, pls. 3, 1904.
- ASHMEAD, W. H.—Descriptions of new Braconids bred by Prof. A. D. Hopkins. <Can. Ent., 1893, pp. 67–79.
 Tables of species of *Spathius* and *Cænophanes*.
- Descriptions of new Braconidæ in the collection of the U. S. National Museum. <Proc. U. S. Nat. Mus., x, pp. 611–671, 1888.
 Tables of *Aphidius* and *Lysiphlebus*.
- BRUES, C. T.—North American species of *Aphareta*. <12th Rep. Ent. Minn., 1908, p. 196.

TRIGONALIDÆ.

- SCHULZ, A.—Fam. Trigonalidæ. <Gen. Ins., Fasc. 61, pp. 24, pls. 3, 1907.

See also paper by Melander and Brues under Chrysididæ.

CHALCIDIDÆ.

- FOERSTER, A.—Synoptische Uebersicht der Familien und Gattungen in den beiden Gruppen der Chalcididæ Spin. und Proctotrupii Latr. <Jahresber. d. höheren Bürgerschule in Aachen, 1856.
- CRESSON, E. T.—Synopsis of the North American species belonging to the genera *Leucospis*, *Smicra*, and *Chalcis*. <Trans. Amer. Ent. Soc., iv, pp. 29–60, 1872–1873.
- HOWARD, L. O.—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. <Bul. 5, Div. Ent., U. S. Dept. Agr., Washington, 1885.
- A generic synopsis of the Hymenopterous family Chalcididæ. <Ent. Amer., i, pp. 197–199, 215–219; ii, pp. 33–38, 1885–1886.

- HOWARD, L. O.—Revision of the Aphelininae of North America. <Tech. Ser. 1, Div. Ent., U. S. Dept. Agr., pp. 44, 1895.
- On the Bothriothoracine insects of the United States. <Proc. U. S. Nat. Mus., xvii, pp. 605–613, 1896.
- On some new parasitic insects of the subfamily Encyrtinae. <Proc. U. S. Nat. Mus., xxi, pp. 231–248, 1898.
- Revision of Aphycus.
- On the aphis-feeding species of Aphelinus. <Ent. News, 1908, pp. 365–367.
- On some American phytophagic Eurytominae. <Tech. Ser. 2, Div. Ent., U. S. Dept. Agr., 1896.
- A synopsis of Isosoma and allies.
- ASHMEAD, W. H.—A revised generic table of the Chalcidinae. <Ent. Amer., 1888, pp. 87–88.
- Classification of the old family Chalcididae. <Proc. Ent. Soc. Wash., iv, pp. 242–249, 1899.
- On the Chalcideous tribe Chiropachides. <Can. Ent., 1888, pp. 172–176.
- On the genera of the Cleonymidae. <Proc. Ent. Soc. Wash., iv, pp. 200–206, 1899.
- On the genera of the Eucharidae. <Proc. Ent. Soc. Wash., iv, pp. 235–242, 1899.
- A revised generic table of the Eurytominae, with descriptions of new species. <Ent. Amer., 1888, pp. 41–43.
- On the genera of the Eupelminae. <Proc. Ent. Soc. Wash., iv, pp. 4–20, 1896.
- A synopsis of the Spalangiinae of North America. <Proc. Ent. Soc. Wash., iii, pp. 27–37, 1894.
- On the genera of the chalcid-flies belonging to the subfamily Encyrtinae. <Proc. U. S. Nat. Mus., xxii, pp. 323–412, 1900.
- On the species of the genus *Mirax* found in North America. <Psyche, vi, pp. 377–379, 1893.
- HOWARD, L. O.—New genera and species of Aphelininae, with a revised table of genera. <Tech. Ser. 12, Pt. iv, Bur. Ent., U. S. Dept. Agr., pp. 69–88, 1907.
- GIRAULT, A. A.—A monographic catalogue of the Mymarid genus *Alaptus* Haliday, with descriptions of three new North American forms and of *Alaptus iceryæ* Riley from type material. <Ann. Ent. Soc. Amer., i, pp. 179–195, 1908.

- GIHAULT, A. A.—A monographic catalogue of the Mymarid genus *Comptoptera* Foerster, with description of one new North American form. <Ann. Ent. Soc. Amer., II, pp. 22–29, 1909.
- CRAWFORD, J. C.—Some new Chalcidoidea. <Proc. Ent. Soc. Wash., IX, pp. 157–160, 1908.
Table of *Cerambycobius* and *Catolaccus*.
- New North American Hymenoptera. <Journ. N. Y. Ent. Soc., 1907, pp. 177–183.
Table of genera of *Monodontomerinae*.
- Notes on some Chalcidoidea. <Can. Ent., 1909, pp. 98–99.
Table of genera of *Metastenini*.

PROCTOTRYPIDÆ.

- HOWARD, L. O.—A generic synopsis of the Hymenopterous family *Proctotrupidæ*. <Trans. Amer. Ent. Soc., XIII, pp. 169–178, 1886.
- ASHMEAD, W. H.—A monograph of the North American *Proctotrypidæ*. <Bul. 45, U. S. Nat. Mus., pp. 463, pls. 18, 1893.
- KIEFFER, J. J.—Fam. *Bethylidæ*. <Gen. Ins., Fasc. 76, pp. 50, pls. 3, 1909.
- BRUES, C.—Fam. *Scelionidæ*. <Gen. Ins., Fasc. 80, pp. 59, pls. 2, 1909.
- KIEFFER, J. J.—Fam. *Dryinidæ*. <Gen. Ins., Fasc. 54, pp. 33, pls. 2, 1907.
- BRUES, C. T.—Notes and descriptions of North American Parasitic Hymenoptera. <Bul. Wis. Nat. Hist. Soc., III, pp. 183–188, 1905; IV, pp. 143–152, 1906; V, pp. 96–111, 1907; V, pp. 150–161, 1907.
Tables of *Chelogynus*, *Ceraphron*, *Galesus*, *Epyris*, *Goniozus*, *Macroteleia*, and *Sparaisson*.

CHRYSIDIDÆ.

- NORTON, E.—On the Chrysidæ of North America. <Trans. Amer. Ent. Soc., VII, pp. 233–242, 1878–1879.
Gives tables of genera and species.
- AARON, S. F.—The North American Chrysididæ. <Trans. Amer. Ent. Soc., XII, 1885, pp. 209–248, Pls. VI–X.
- MOCŠÁRY, A.—*Monographia Chrysididarum orbis terrarum universi*. Budapest, 1889, pp. 643.

MELANDER, A. L., and BRUES, C. T.—New species of Gasteruption, Trigonalys, Parnopes, and Psammophila. <Biol. Bul., III, pp. 35–42, 1902.

Table of Psammophila, Parnopes, and Trigonalys.

VIERECK, H. L.—The North American cuckoo wasps of the genus Parnopes. <Trans. Amer. Ent. Soc., xxx, pp. 245–250, 1904.

FORMICIDÆ.

MAYR, G. L.—Die Formiciden der Vereinigten Staaten von Nordamerika. <Verh. k. k. zool.-bot. Ges. Wien, 1886, pp. 419–464.

EMERY, C.—Beiträge zur Kenntniss der nordamerikanischen Ameisenfauna. <Part I, Zool. Jahrb., Abth. f. Syst., VII, pp. 633–682, 1894. <Ibid., Part II, VIII, pp. 257–360, 1895.

WHEELER, W. M.—A revision of the North American ants of the genus Leptothorax Mayr. <Proc. Acad. Nat. Sci. Phila., 1903, pp. 215–260, pl. 1.

——— The North American ants of the genus Stenamma. <Psyche, 1903, pp. 164–168.

——— The ants of Texas, New Mexico, and Arizona. <Bul. Amer. Mus. Nat. Hist., Pt. I, xxiv, pp. 399–485, pls. 2, 1908.

——— The American ants of the sub-genus Colobopsis. <Bul. Amer. Mus. Nat. Hist., xx, pp. 139–158, 1904.

——— An annotated list of the ants of New Jersey. <Bul. Amer. Mus. Nat. Hist., xxi, pp. 371–408, 1905.

——— An analytic key to the genera of the family Formicidæ for the identification of the workers. <Amer. Nat., xxxvi, pp. 707–725, 1902. (Translated from Emery.)

——— The North American ants of the genus Dolichoderus. <Bul. Amer. Mus. Nat. Hist., xxi, pp. 305–319, 1905.

——— The North American ants of the genus Liometopum. <Bul. Amer. Mus. Nat. Hist., xxi, pp. 321–333, 1905.

——— The fungus-growing ants of North America. <Bul. Amer. Mus. Nat. Hist., xxiii, pp. 669–808, pls. 5, 1907.

Revises our Attii.

MUTILLIDÆ.

BLAKE, C. A.—Synopsis of the Mutillidæ of North America. <Trans. Amer. Ent. Soc., III, pp. 217–265, 1870–1871; Additions and Corrections, IV, pp. 71–76, 1872–1873.

——— Catalogue of the Mutillidæ of North America, with descriptions of new species. <Trans. Amer. Ent. Soc., VII, pp. 243–254, 1878–1879.

BLAKE, C. A.—Monograph of the Mutillidæ of North America. <Trans. Amer. Ent. Soc., xiii, pp. 179–286, 1886.

This monograph supersedes the synopsis by the same author.

FOX, W. J.—The North American Mutillidæ. <Trans. Amer. Ent. Soc., xxv, pp. 219–292, 1898.

MELANDER, A. L.—Notes on North American Mutillidæ, with descriptions of new species. <Trans. Amer. Ent. Soc., xxix, pp. 291–330, pl. 1, 1903.

ANDRÉ, E.—Fam. Mutillidæ. <Gen. Ins., Fasc. 11, pp. 77, pls. 3, 1903.

VIERECK, H. L.—The species of *Odontophotopsis*. <Trans. Amer. Ent. Soc., xxx, pp. 81–92, 1904.

SAPYGIDÆ.

CRESSON, E. T.—[Synoptic table of the North American species of *Sapyga*.] <Trans. Amer. Ent. Soc., viii, pp. xx–xxi, 1880.

SCOLIIDÆ.

DE SAUSSURE, H., and SICHEL, J.—Catalogus specierum generis *Scolia*. Geneva, pp. 352, pls. 2, 1864.

POMPILIDÆ.

CRESSON, E. T.—Notes on the Pompilidæ of North America, with descriptions of new species. <Trans. Amer. Ent. Soc., i, pp. 85–150, 1867.

FOX, W. J.—The species of *Pepsis* inhabiting America, north of Mexico. <Proc. Ent. Soc. Wash., iv, pp. 140–148, 1897.

———The North American species of *Ceropales*. <Trans. Amer. Ent. Soc., xix, pp. 49–63, 1892.

SPHEGIDÆ.

PATTON, W. H.—Some characters useful in the study of Sphecidæ. <Proc. Boston Soc. Nat. Hist., xx, pp. 378–385, 1880.

Critical notes on genera and species.

KOHL, F. F.—Die Hymenopterengruppe der Spheginen. <Ann. k. k. Naturh. Hofmuseums, Wien, v, pp. 77–194, 317–462, 1890.

FERNALD, H. T.—Notes on the North American species of *Isodontia* Patton, with descriptions of a new species and variety. <Can. Ent., 1903, pp. 209–271.

FERNALD, H. T.—The digger wasps of North America and the West Indies, belonging to the subfamily Chlorioninae. <Proc. U. S. Nat. Mus., xxxi, pp. 291–423, pls. 5, 1906.

MELANDER, A. L.—Synopsis of North American species of Ammophila. <Psyche, 1903, pp. 156–163.

SMITH, H. S.—The Sphegoidea of Nebraska. <Univ. Studies, viii (4), pp. 88, pl. 1, 1908.

Includes species of the other fossorial families.

BEMBECIDÆ.

PACKARD, A. S.—[See work cited under Larridæ.]

PATTON, W. H.—The American Bembecidæ: Tribe Stizini. <Bul. U. S. Geol. and Geog. Surv., v, No. 3, pp. 341–347, 1879.

FOX, W. J.—Synopsis of the Stizini of Boreal America. <Proc. Acad. Nat. Sci. Phila., 1895, pp. 264–268.

———Synopsis of the Bembicini of Boreal America. <Proc. Acad. Nat. Sci. Phila., 1895, pp. 351–374.

HANDLIRSCH, A.—Monographie der mit Nysson und Bembex verwandten Grabwespen. 7 parts. <Sitzber. k. Akad. Wissensch., Wien, 1887–1893, pp. 150, pls. 23.

LARRIDÆ.

PACKARD, A. S.—Revision of the Fossorial Hymenoptera of North America. I. Crabronidæ and Nyssonidæ. <Proc. Ent. Soc. Phila., vi, pp. 39–114, 353–444, 1866.

This work includes revisions of the following families: Larridæ, Bembecidæ, Philanthidæ, Mimesidæ, Mellinidæ, Pemphredonidæ, and Crabronidæ.

PATTON, W. H.—List of North American Larridæ. <Proc. Boston Soc. Nat. Hist., xx, pp. 385–397, 1880.

Table of genera; list of, and notes on, species.

FOX, W. J.—Monograph of the North American species of Tachytes. <Trans. Amer. Ent. Soc., xix, 1892, pp. 234–252.

———The North American Larridæ. <Proc. Acad. Nat. Sci. Phila., 1894, pp. 467–551.

———Synopsis of the North American species of Astatus, Latr. <Can. Ent., 1892, pp. 232–235.

ASHMEAD, W. H.—Two new genera of sand wasps. <Ent. News, 1898, pp. 187–189.

Table of Miscophinus.

- ASHMEAD, W. H.—Three new species in the genus *Diploplectron* Fox. <Ent. News, 1899, pp. 55–56.
- Four new species belonging to the genus *Plenoculus* Fox. <Psyche, viii, pp. 337–339, 1899.
- ROHWER, S. A.—New Hymenoptera from western United States. <Trans. Amer. Ent. Soc., xxxv, pp. 99–136, 1909.
- Tables of *Niteliopsis* and *Diploplectron*.

NYSSONIDÆ.

- PACKARD, A. S.—[See work cited under Larridæ.]
- CRESSON, E. T.—Descriptions of the species belonging to the genus *Nysson*, inhabiting North America. <Trans. Amer. Ent. Soc., ix, pp. 273–284, 1881–1882.
- HANDLIRSCH, A.—[See work cited under Bembecidæ.]
- FOX, W. J.—Synopsis of the species of *Nysson* inhabiting America, north of Mexico. <Journ. N. Y. Ent. Soc., 1896, pp. 10–16.
- Synopsis of the North American *Gorytes*. <Proc. Acad. Nat. Sci. Phila., 1895, pp. 517–539.
- [See work cited under Mellinidæ.]

PHILANTHIDÆ.

- CRESSON, E. T.—Monograph of the Philanthidæ of North America. <Proc. Ent. Soc. Phila., v, pp. 85–132, 1865.
- PACKARD, A. S.—[See work cited under Larridæ.]
- PATTON, W. H.—Notes on the Philanthinæ. <Proc. Bost. Soc. Nat. Hist., xx, pp. 397–405, 1880.
- CRESSON, E. T.—[Table of the North American species of the genus *Eucerceris*.] <Trans. Amer. Ent. Soc., x, pp. v–viii, 1882–1883.
- DUNNING, S. N.—Monograph of the species of *Aphilanthops* inhabiting Boreal America. <Trans. Amer. Ent. Soc., xxv, pp. 19–26, 1898.
- VIERECK, H. L., and COCKERELL, T. D. A.—The Philanthidæ of New Mexico. <Journ. N. Y. Ent. Soc., 1904, pp. 84–88, 129–146.
- BAKER, C. F.—Notes on *Aphilanthops*. <Can. Ent., 1895, pp. 335–336.

MIMESIDÆ.

- PACKARD, A. S.—[See work cited under Larridæ.]
- FOX, W. J.—The species of *Psen* inhabiting America, north of Mexico. <Trans. Amer. Ent. Soc., xxv, pp. 1–18, 1898.

MELLINIDÆ.

PACKARD, A. S.—[See work cited under Larridæ.]

FOX, W. J.—Studies among the fossorial Hymenoptera. <Ent. News, 1894, pp. 86–89, 126–128, 201–203.

Synopses of Alyson, Didineis, and Mellinus.

PEMPHREDONIDÆ.

PACKARD, A. S.—[See work cited under Larridæ.]

FOX, W. J.—The North American Pemphredonidæ. <Trans. Amer. Ent. Soc., xix, pp. 307–326, 1892.

CRABRONIDÆ.

PACKARD, A. S.—[See work cited under Larridæ.]

FOX, W. J.—The Crabronina of Boreal America. <Trans. Amer. Ent. Soc., xxii, pp. 129–226, 1895.

——— On the species of Trypoxylon inhabiting America, north of Mexico. <Trans. Amer. Ent. Soc., xviii, pp. 136–148, 1891.

BAKER, C. F.—Studies in Oxybelidæ. I. <Pomona Journ. Ent., i, pp. 27–30, 1909.

Table of Belomicrus.

MASARIDÆ.

DE SAUSSURE, H.—Synopsis of American wasps. Solitary Wasps. <Smithsonian Miscellaneous Collections, 254. Washington, 1875.

This work monographs the American Masaridæ and Eumenidæ.

EUMENIDÆ.

DE SAUSSURE, H.—[See work just cited under Masaridæ.]

VESPIDÆ.

DE SAUSSURE, H.—Études sur la famille des Vespides. Monographie des guêpes sociales ou de la tribu des Vespiciens. Paris, 1853. pp. 256.

——— Bemerkungen über die Gattung Vespa, besonders über die amerikanischen Arten. <Stettiner Ent. Zeit., xviii, pp. 114–117, 1857.

——— Note sur les Polistes américains. <Ann. Soc. Ent. France, 1857, pp. 309–314.

- LEWIS, H. W.—Vespinae of the United States and Canada. <Trans. Amer. Ent. Soc., xxiv, pp. 169–192, 1897.
- VON DALLA TORRE, K. W.—Fam. Vespidae. <Gen. Ins., Fasc. 19, pp. 108, pls. 6, 1904.

ANTHOPHILA (ANDRENIDÆ AND APIDÆ).

- CRESSON, E. T.—A list of the North American species of the genus *Anthophora*, with descriptions of new species. <Trans. Amer. Ent. Soc., ii, pp. 289–293, 1868–1869.
- Catalogue of North American Apidae. <Trans. Amer. Ent. Soc., vii, pp. 215–232, 1878–1879.
- A synonymical reference list of the species.
- PATTON, W. H.—Generic arrangement of the Bees allied to *Melissodes* and *Anthophora*. <Bul. U. S. Geol. and Geog. Surv., v, pp. 471–479, 1879.
- CRESSON, E. T.—On the North American species of the genus *Nomada*. <Proc. Ent. Soc. Phila., ii, pp. 280–312, 1863.
- On the North American species of several genera of Apidae. <Proc. Ent. Soc. Phila., ii, pp. 373–411, 1864.
- List of the North American species of *Bombus* and *Apathus*. <Proc. Ent. Soc. Phila., ii, pp. 83–116, 1863.
- On the North American species of the genus *Osmia*. <Proc. Ent. Soc. Phila., iii, pp. 17–43, 1864.
- Descriptions of new North American Hymenoptera in the collection of the American Entomological Society. Family Apidae. <Trans. Amer. Ent. Soc., vii, pp. 61–136, 201–214, 1878–1879.
- ROBERTSON, C.—North American bees. Descriptions and synonyms. <Trans. Acad. Sci. St. Louis, vii, pp. 315–356, 1897.
- Synopsis of the North American species of the genus *Oxybelus*. <Trans. Amer. Ent. Soc., xvi, pp. 77–85, 1889.
- Descriptions of new species of North American bees. <Trans. Amer. Ent. Soc., xviii, pp. 49–66, 1891.
- Table of local *Andrena*.
- COCKERELL, T. D. A.—On some Panurgine and other bees. <Trans. Amer. Ent. Soc., xxv, pp. 185–198, 1898.
- Table of *Calliopsis* and *Panurginus*.
- BAKER, C. F.—American bees related to *Melecta*. <Invert. Pacif., i, pp. 142–145, 1906.
- Table of *Eriocrocis*.

- BRUNER, L.—Some notes on the bee genus *Andrena*. <Trans. Amer. Ent. Soc., xxix, pp. 239–258, 1903.
Table of species.
- COCKERELL, T. D. A.—*Didasia* Patton; a genus of bees. <Amer. Nat., xxxix, pp. 741–745, 1905.
- Synopsis of the North American bees of the genus *Nomia*. <Entomologist, 1898, pp. 31–33.
- Synopsis of the North American bees of the genus *Stelis*. <Entomologist, 1898, pp. 166–169.
- The North American bees of the genus *Prosapis*. <Entomologist, 1898, pp. 185–192, 216–219, 236–239.
- On certain genera of bees. <Ann. Mag. Nat. Hist. (7), vii, pp. 47–50, 1901.
Genera of Anthophorinae and Anthidiinae.
- The North American bees of the family Anthophoridae. <Trans. Amer. Ent. Soc., xxxii, pp. 63–116, 1906.
- Tables for the separation of some bees of the genera *Cœlioxyx* and *Colletes*. <Psyche, 1905, pp. 85–90.
- North American bees of the genus *Nomada*. <Proc. Acad. Nat. Sci. Phila., 1903, pp. 580–614.
- CRAWFORD, J. C.—Notes on some species of the genus *Ialictus*. <Journ. N. Y. Ent. Soc., 1907, pp. 183–189.
- The bee genus *Dialictus*. <Can. Ent., 1902, p. 318.
- FOX, W. J.—Synopsis of the North American species of *Megacilissa*. <Psyche, vi, pp. 421–422, 1893.
- Synopsis of the North American species of *Nomia*. <Ent. News, 1893, pp. 134–135.
- Synopsis of the North American species of *Melecta*. <Ent. News, 1893, pp. 143–144.
- Lithurgopsis*, a new genus of bees. <Ent. News, 1902, p. 137.
- SMITH, H. S.—Contributions toward a monograph of the Ceratinidae of North and Middle America. <Trans. Amer. Ent. Soc., xxxiii, pp. 115–124, pl. 1, 1907.
- SWENK, M. H.—Specific characters in the bee-genus *Colletes*. <Univ. Nebr. Studies. Contrib. Dept. Ent., pp. 43–102, pls. 3, 1908.
Synopsis of part of genus.
- VIREECK, H. L.—*Bombomelecta*. <Trans. Amer. Ent. Soc., xxix, pp. 179–182, 1903.
- Andrenæ* of the Canadian, Alleghanian, and Carolinian plant zones, occurring or likely to occur in Connecticut. <Ent. News, 1907, pp. 280–288.

- LOVELL, J. H.—The Bumblebees of Southern Maine. <Ent. News, 1907, pp. 195–200.
- The Colletidae of Southern Maine. <Can. Ent., 1907, pp. 363–365.
- and COCKERELL, T. D. A.—The Bees of Maine. Sphecodidae. <Psyche, 1907, pp. 101–110.
List of American species.
- The Megachilidae of Southern Maine. <Psyche, 1907, pp. 15–21.
- The Halictidae of Southern Maine. <Psyche, 1908, pp. 32–40.
- The Nomadine and Epeoline bees of Southern Maine. <Psyche, 1905, pp. 39–42.
- ROBERTSON, C.—Synopsis of Anthophila. <Can. Ent., 1904, pp. 37–44.
This and the following papers by Mr. Robertson treat of the Illinois bees.
- Synopsis of Sphecodinae. <Ent. News, 1903, pp. 103–107.
- Synopsis of Euceridae, Emphoridae, and Anthophoridae. <Trans. Amer. Ent. Soc., xxxi, pp. 365–372, 1905.
- Synopsis of Epeolinae. <Can. Ent., 1903, pp. 284–288.
- Synopsis of Prosopis and Colletes, with supplementary notes and descriptions. <Can. Ent., 1904, pp. 273–278.
- Synopsis of Nomadinae. <Can. Ent., 1903, pp. 172–179.
- Synopsis of Halictinae. <Can. Ent., 1902, pp. 243–250.
- Synopsis of the Andreninae. <Trans. Amer. Ent. Soc., xxviii, pp. 187–195, 1902.
- Synopsis of Megachilidae and Bombinae. <Trans. Amer. Ent. Soc., xxix, pp. 163–178, 1903.
- BRUES, C. T.—Studies of Texan Bees. <Ent. News, 1903, pp. 79–85.
Tables of Texan Epeolus and Cœlioxys.
- SWENK, M. H., and COCKERELL, T. D. A.—The bees of Nebraska. <Ent. News, 1907, pp. 51–58, 178–187, 293–300.
- COCKERELL, T. D. A.—The bees of Florissant, Colorado. <Bul. Amer. Mus. Nat. Hist., xxii, pp. 419–455, 1906.
Table of genera near Heriades.
- The bees of the genus Nomada found in Colorado. <Bul. 94, Colo. Agr. Exp. Sta., pp. 69–85, 1904.
- TITUS, E. S. G.—Colorado Bombidae. <Can. Ent., 1902, pp. 37–44.

- COCKERELL, T. D. A.—Tables for the determination of New Mexico bees. <Bul. Sci. Lab. Denison Univ., xi, pp. 41–73, 1898.
- The bees of southern California. <Bul. So. Cal. Acad. Sci., iv, pp. 99–106, 1905.
- The bees of the genus *Nomada* from California. <Proc. Acad. Nat. Sci. Phila., 1903, pp. 559–579.
- FOWLER, C.—California bees of the genus *Nomada*. <Ent. News, 1899, pp. 157–162.
- The *Synhalonia* of California. <Can. Ent., 1899, pp. 137–138.
- Some California bees. <Psyche, viii, pp. 405–407, 1899.
Table of *Calliopsis*.
- The *Habropoda* and *Didasia* of California. <Can. Ent., 1899, pp. 283–286.
- The long-tongued bees (*Apidae*) of California. <Rep. Cal. Agr. Exp. Sta., 1898–1901, Pt. II, pp. 316–330, 1902.
- VIERECK, H. L., COCKERELL, T. D. A., TITUS, E. S. G., CRAWFORD, J. C., SWENK, M. H.—Synopsis of the bees of Oregon, Washington, British Columbia, and Vancouver. <Can. Ent., 1904, pp. 93–100, 157–161, 189–196, 221–232; 1905, pp. 277–287, 313–321; 1906, pp. 297–304.

DIPTERA.

I.—CATALOGUES.

- OSTEN SACKEN, C. R.—Catalogue of the described Diptera of North America. [Second edition.] Washington, Smithsonian Institution, 1878. <Smiths. Misc. Coll., 270.
- ALDRICH, J. M.—A catalogue of North American Diptera. <Smiths. Misc. Coll., XLVI (No. 1444), pp. 680, 1905; Additions, Journ. N. Y. Ent. Soc., 1907, pp. 2–9.
- KERTÉSZ, K.—*Catalogus Dipterorum husque Descriptorum*. Leipzig. I, *Sciaridæ* to *Rhyphidæ*, pp. 341, 1902. II, *Cecidomyiidæ* to *Cylindrotomidæ*, pp. 357, 1902. III, *Stratiomyiidæ*, *Xylophagidæ*, *Tabanidæ*, *Leptidæ*, pp. 367, 1908. IV, *Oncodidæ*, *Mydridæ*, *Nemestrinidæ*, *Apioceridæ*, *Asilidæ*, pp. 348, 1909. V, *Bombyliidæ*, *Scenopinidæ*, *Therevidæ*, pp. 199, 1909.

II.—GENERAL WORKS ON CLASSIFICATION.

- WILLISTON, S. W.—Manual of North American Diptera. 3rd edition, New Haven, Conn., 1908, pp. 405, many figures.
- Bibliography of North American Dipterology. 1878–1895. <Kans. Univ. Quart., iv, pp. 129–144, 1896.
A list of articles since Osten Sacken's catalogue.

MEIGEN, F. W.—Systematische Beschreibung der bekannten europäischen zweiflügeligen Insecten. 7 vols. Aachen und Hamm, 1818–1838.

Although dealing only with the European fauna and now antiquated and superseded in many parts, this work is still the foundation of the modern classification of Diptera.

WIEDEMANN, C. R. W.—Aussereuropäische zweiflügelige Insecten. 2 vols. Hamm, 1828–1830, with plates.

A continuation of Meigen's work, and containing descriptions of many genera and species belonging to the North American fauna.

MACQUART, J.—Diptères exotiques nouveaux ou peu connus. 2 vols. in 5 parts and 5 supplements. Paris, 1838–1855. <Extr. Mém. Soc. Sci. Arts, Lille.

Contains descriptions of many North American genera and species.

SCHINER, J. R.—Fauna Austriaca. Die Fliegen (Diptera). Nach der analytischen Methode bearbeitet, mit der Charakteristik sämtlicher europäischer Gattungen, der Beschreibung aller in Deutschland vorkommenden Arten und der Aufzählung aller bisher beschriebenen europäischen Arten. 2 vols. Wien, 1862–1864.

Although dealing with the European fauna, this work is very useful on account of the analytical tables of families and genera.

LOEW, H., and OSTEN SACKEN, C. R.—Monographs of the Diptera of North America. 4 parts. Washington, Smithsonian Institution, 1862–1872. <Smiths. Misc. Coll.

The several monographs will be found under the respective families.

LOEW, H.—Diptera America septentrionalis indigena. 2 parts. Berlin, 1861–1872. (Originally published in 10 centuriæ in the Berliner Entomologische Zeitschrift.)

Descriptions of 1,000 North American Diptera, but without synoptic arrangement.

OSTEN SACKEN, C. R.—Western Diptera: Descriptions of new genera and species of Diptera from the region west of the Mississippi, and especially from California. <Bul. U. S. Geol. and Geog. Surv., III, pp. 189–354, 1877.

BRAUER, FR.—Die Zweiflügler des kaiserlichen Museums zu Wien. Parts I–III. Wien, 1880–1883.

Contributions to the classification of the Diptera.

TOWNSEND, C. H. T.—The North American genera of Nemocerous Diptera. <Trans. Amer. Ent. Soc., XIX, pp. 144–160, 1892.

WALTON, W. R.—An illustrated glossary of chaetotaxy and anatomical terms used in describing Diptera. <Ent. News, 1909, pp. 307–319, pls. 2.

III.—MONOGRAPHS AND SYNOPSES.

CECIDOMYIIDÆ.

WINNERTZ, J.—Beitrag zu einer Monographie der Gallmücken.
 <Linnæa Entomologica, viii, pls. 4, 1853.

OSTEN SACKEN, C. R.—On the North American Cecidomyiidae.
 <Monographs of the Diptera of North America, by H. Loew
 and C. R. Osten Sacken, Pt. I, pp. 173–205, 1862.

WALSII, B. D.—On the insects, Coleopterous, Hymenopterous, and
 Dipterous, inhabiting the galls of certain species of willow.
 Diptera. <Proc. Ent. Soc. Phila., iii, pp. 543–644, 1864; vi,
 pp. 223–229, 1866.

VON BERGENSTAMM, J., and LOEW, P.—Synopsis Cecidomyidarum.
 <Verh. k. k. zool.-bot. Ges. Wien, xxvi, pp. 1–104, 1876.

A synopsis of all the literature of the family.

FELT, E. P.—Studies in Cecidomyiidae. II. <Bul. 124, N. Y. State
 Mus., pp. 307–422, pls. 12, 1908.

MYCETOPHILIDÆ.

WINNERTZ, J.—Beitrag zu einer Monographie der Pilzmücken.
 <Verh. k. k. zool.-bot. Ges. Wien, 1863, pp. 637–694.

Useful for determination of genera; no American species are described.

——— Beitrag zu einer Monographie der Sciarinen. Wien, 1867, pp.
 187.

CULICIDÆ.

COQUILLET, D. W.—Synoptic tables of the North America mosqui-
 toes. <Cir. 40, 2d ser., Div. Ent., U. S. Dept. Agr., 1900,
 pp. 4–7.

——— A classification of the mosquitoes of North and Middle Amer-
 ica. <Tech. Ser. 11, Bur. Ent., U. S. Dept. Agr., pp. 31, 1906.

DYAR, H. G., and KNAB, F.—The species of mosquitoes in the genus
 Megarhinus. <Smiths. Misc. Coll., Quart. issue, xlviii, pp. 241–
 258, 1906.

——— The larvæ of Culicidæ classified as independent organisms.
 <Journ. N. Y. Ent. Soc., 1906, pp. 169–230, pls. 13.

——— On the classification of the mosquitoes. <Can. Ent., 1907,
 pp. 47–50.

DYAR, H. G.—Illustrations of the abdominal appendages of certain
 mosquitoes. <Journ. N. Y. Ent. Soc., 1905, pp. 185–188.

Table of species of Grabhamia.

- DYAR, H. G.—A synoptic table of North American mosquito larvæ. <Journ. N. Y. Ent. Soc., 1905, pp. 22–26.
- Key to the known larvæ of the mosquitoes of the United States. <Cir. 72, Bur. Ent., U. S. Dept. Agr., pp. 6, 1906.
- HOWARD, L. O.—Mosquitoes: How they live; how they carry disease; how they are classified; how they may be destroyed. New York, pp. 241, figs. 50, 1901.
- Notes on the mosquitoes of the United States. <Bul. 25 (n. s.), Div. Ent., U. S. Dept. Agr., pp. 70, figs. 22, 1900.
- MITCHELL, E. G.—Mosquito life. New York, 1907, pp. 281, pls. 8, figs. 54.
- SMITH, J. B.—Report of the New Jersey State Agricultural Experiment Station upon the mosquitoes occurring within the State, their habits, life-history, etc. Trenton, 1904, pp. 482, figs. 133.
- THEOBALD, F. V.—A monograph of the Culicidæ or mosquitoes. <British Museum, 4 vols. and plates. I, 1901; II, 1901; III, 1903; IV, 1907.
- Fam. Culicidæ. <Gen. Ins., Fasc. 26, pp. 50, pls. 2, 1905.

CHIRONOMIDÆ.

- KIEFFER, J. J.—Fam. Chironomidæ. <Gen. Ins., Fasc. 42, pp. 78, pls. 4, 1906.
- JOHANNSEN, O. A.—Aquatic Nematoceros Diptera. II, Chironomidæ. <Bul. 86, N. Y. State Mus., pp. 76–331, pls. 22, 1905.

BLEPHAROCERIDÆ.

- KELLOGG, V. L.—The net-winged midges (Blepharoceridæ) of North America. <Proc Cal. Acad. Sci., Zool. (3), III, pp. 187–224, pls. 5, 1903.
- Fam. Blepharoceridæ. <Gen. Ins., Fasc. 56, pp. 15, pls. 2, 1907.

SIMULIIDÆ.

- COQUILLETT, D. W.—The buffalo gnats or black flies of the United States. A synopsis of the Dipterous family Simuliidæ. <Bul. 10, n. s., Div. Ent., U. S. Dept. Agr., pp. 66–69, 1898.
- JOHANNSEN, O. A.—Aquatic Nematoceros Diptera. <Bul. 68, N. Y. State Mus., pp. 328–448, pls. 19, 1903.
- Revision of Simuliidæ.

PSYCHODIDÆ.

- BANKS, N.—Some Psychodidæ from Long Island, N. Y. <Can. Ent., 1894, pp. 329–333.
- KINCAID, T.—The Psychodidæ of the Pacific coast. <Ent. News, 1899, pp. 30–37.
- BANKS, N.—The eastern species of Psychodidæ. <Can. Ent., 1901, pp. 273–275.
- HASEMAN, L.—A monograph of the North American Psychodidæ. <Trans. Amer. Ent. Soc., xxxiii, pp. 299–333, pls. 4, 1907.

TIPULIDÆ.

- OSTEN SACKEN, C. R.—New genera and species of North American Tipulidæ with short palpi, with an attempt at a new classification of the tribe. 2 pls. <Proc. Acad. Nat. Sci. Phila., 1859, pp. 197–256.
- On the North American Tipulidæ (part first). <Monographs of the Diptera of North America, Part IV, 1869.
A monograph of the North American Tipulidæ brevipalpi and the sections Cylindrotomina and Ptychopterina.
- Studies on Tipulidæ. Part I. Tipulidæ longipalpi. <Berl. Ent. Zeitschr., 1886, pp. 153–188. Part II, Tipulidæ brevipalpi. <Ibid, 1887, pp. 183–242.
- LOEW, H.—Table for determining the North American species of the genus Pachyrrhina. <Verh. k. k. zool.-bot. Ges. Wien, 1879, pp. 513–516.
- NEEDHAM, J. G.—Crane flies. <Bul. 124, N. Y. State Mus., pp. 199–248, pls. 21, 1908.
- JOHNSON, C. W.—Synopsis of the Tipulid genus Bittacomorpha. <Psyche, 1905, pp. 75–76.
- New and little-known Tipulidæ. <Proc. Bost. Soc. Nat. Hist., xxxiv, pp. 115–133, 1908.
Table of Oropeza.
- DOANE, R. W.—Notes on the Tipulid genus Dicranomyia. <Ent. News, 1908, pp. 5–9.
- New species of the Tipulid genus Rhypholophus, with a table for determining the North American species. <Ent. News, 1908, pp. 200–202.
- New North American Pachyrrhina, with a table for determining the species. <Ent. News, 1908, pp. 173–179.

STRATIOMYIDÆ.

WILLISTON, S. W.—On the classification of North American Diptera. (Third paper.) <Ent. Amer., i, pp. 114–116, 152–155, 1885.

Tables of the subfamilies and genera of the family.

DAY, L. T.—The species of *Odontomyia* found in the United States. <Proc. Acad. Nat. Sci. Phila., 1882, pp. 74–88.

JOHNSON, C. W.—A review of the *Stratiomyia* and *Odontomyia* of North America. <Trans. Amer. Ent. Soc., xxii, pp. 227–278, 1895.

MELANDER, A. L.—Notes on North American *Stratiomyidæ*. <Can. Ent., 1904, pp. 14–24, 53–54.

Tables to species of nearly all the genera.

———A review of the North American species of *Nemotelus*. <Psyche, 1903, pp. 171–183, pl. 1.

SCENOPINIDÆ.

CRESSON, E. T., Jr.—The North American species of the Dipterous family *Scenopinidæ*. <Trans. Amer. Ent. Soc., xxxiii, pp. 109–115, pl. 1, 1907.

TABANIDÆ.

KERTÉSZ, K.—*Catalogus Tabanidarum orbis terrarum universi*. <Budapest, 1900, pp. 79.

OSTEN SACKEN, C. R.—Prodrôme of a monograph of the *Tabanidæ* of the United States. <Mem. Bost. Soc. Nat. Hist., ii, 1875–1878.

Part I. The genera *Pangonia*, *Chrysops*, *Silvius*, *Hæmatopota*, *Diabasis* (pp. 365–397). Part II. The genus *Tabanus*, with an appendix and index (pp. 421–479). Supplement (pp. 555–560).

WILLISTON, S. W.—Notes and descriptions of North American *Tabanidæ*. <Trans. Kans. Acad. Sci., x, pp. 129–142, 1888.

DAECKE, E.—Annotated list of the species of *Chrysops* occurring in New Jersey, and descriptions of two new species. <Ent. News, 1907, pp. 139–146, pl. 1.

HINE, J. S.—*Tabanidæ* of Ohio. <Ohio Acad. Sci., Special Papers, No. 5, pp. 63, pls. 2, 1903.

———The North American species of *Tabanus* with a uniform mid-dorsal stripe. <Ohio Nat., vii, pp. 19–28, 1906.

———The *Tabanidæ* of the Western United States and Canada. <Ohio Nat., v, pp. 217–248, 1904.

LEPTIDÆ.

WILLISTON, S. W.—On the classification of North American Diptera. (Second paper.) <Ent. Amer., I, pp. 10–13, 1885.

Table of the genera of North American Leptidæ.

COQUILLET, D. W.—Synopsis of the Dipterous genus *Symphoromyia*. <Journ. N. Y. Ent. Soc., 1894, pp. 53–56.

ADAMS, C. F.—Notes and descriptions of North American Diptera. <Kans. Univ. Quart. (Bul. Univ. Kans.), IV, pp. 433–455, 1904.

Tables of *Leptis*, *Chrysopila*, *Limosina*, *Xylophagus*, *Icterica*, and *Urellia*.

ASILIDÆ.

OSTEN SACKEN, C. R.—Western Diptera, etc. <Bul. U. S. Geol. and Geog. Surv., III, No. 2, 1877.

Synoptical and analytical table of the Western species of *Cyrtopogon*, pp. 294–309.

WILLISTON, S. W.—On the North American Asilidæ (*Dasypogoninae*, *Laphrinae*), with a new genus of *Syrphidæ*. <Trans. Amer. Ent. Soc., XI, pp. 1–35, pls. 2, 1883.

Tabulates the genera of the subfamilies *Dasypogoninae* and *Laphrinae*, with enumeration of the species.

——— On the North American Asilidæ (Part II). <Trans. Amer. Ent. Soc., XII, pp. 53–76, 1885.

Tabulates the species of *Laphria* and revises the genera and species of the subfamily *Asilinæ*, excepting the genus *Asilus*.

SNOW, W. A.—List of Asilidæ supplementary to Osten Sacken's catalogue of North American Diptera. <Kans. Univ. Quart., IV, pp. 173–190, 1896.

COQUILLET, D. W.—Synopsis of the Asilid genus *Blacodes*. <Can. Ent., 1893, pp. 33–34.

——— Synopsis of the Asilid genus *Anisopogon*. <Can. Ent., 1893, pp. 20–22.

——— Synopsis of the Asilid genus *Dioctria*. <Can. Ent., 1893, p. 80.

——— A new Asilid genus related to *Erax*. <Can. Ent., 1893, pp. 175–176.

Table to *Efferia*.

——— Synopsis of the Asilid genera *Mallophora* and *Nicocles*. <Can. Ent., 1893, pp. 118–120.

——— Synopsis of the Asilid genus *Osprionotus*. <Ent. News, 1898, p. 37.

HINE, J. S.—Robberflies of the genus *Asilus*. <Ann. Ent. Soc. Amer., II, pp. 136–172, 1909.

——— Robber flies of the genus *Philonicus*. <Ohio Nat., VII, pp. 115–118, 1907.

BACK, E. A.—The robber-flies of America north of Mexico, belonging to the subfamilies *Leptogastrinae* and *Dasypogoninae*. <Trans. Amer. Ent. Soc., xxxv, pp. 137–400, pls. 11, 1909.

MIDAIDÆ.

WILLISTON, S. W.—Notes and descriptions of *Mydaidæ*. <Trans. Kans. Acad. Sci., xv, pp. 53–58, 1898.

THEREVIDÆ.

COQUILLET, D. W.—Synopsis of the Dipterous genus *Thereva*. <Can. Ent., 1893, pp. 197–201.

——— Synopsis of the Dipterous genus *Psilocephala*. <Can. Ent., 1893, pp. 222–229.

——— Revision of the Dipterous family *Therevidæ*. <Journ. N. Y. Ent. Soc., 1894, pp. 97–101.

NEMESTRINIDÆ.

WILLISTON, S. W.—The North American species of *Nemestrinidæ*. <Can. Ent., xv, pp. 69–72, 1883.

COCKERELL, T. D. A.—The Dipterous family *Nemestrinidæ*. <Trans. Amer. Ent. Soc., xxxiv, pp. 247–253, pl. 1, 1908.

BOMBYLIIDÆ.

OSTEN SACKEN, C. R.—Western Diptera, etc. <Bul. U. S. Geol. and Geog. Surv., III, No. 2, 1877.

Analytical table of the North American genera of *Bombyliidæ* (p. 228);
Tables of the species of *Exoprosopa* (p. 230); *Anthrax* (p. 238);
Argyramœba (p. 241); *Bombylius* (species from the Atlantic States) (p. 247); *Ploas* (California species) (p. 260); *Toxophora* (p. 265); *Epibates* (p. 268).

COQUILLET, D. W.—Monograph of the *Lomatina* of North America. <Can. Ent., xviii, pp. 81–87, 1886.

The *Lomatina* comprise the genera *Eucessia*, *Leptochilus*, *Aphœbantus*, and *Oncodocera*.

——— The North American genera of *Anthracina*. <Can. Ent., xviii, pp. 157–159, 1886.

A tabular arrangement of the genera composing the subfamily *Anthracina*.

COQUILLET, D. W.—Monograph of the species belonging to the genus *Anthrax* from America, north of Mexico. <Trans. Amer. Ent. Soc., xiv, pp. 159–182, 1887.

——— Revision of the species of *Anthrax* from America, north of Mexico. <Trans. Amer. Ent. Soc., xix, pp. 168–187, 1892.

——— Notes and descriptions of North American Bombyliidæ. <Trans. Amer. Ent. Soc., xxi, pp. 89–112, 1894.

——— Revision of the Bombylid genus *Epacmus*. <Can. Ent., pp. 9–11, 1892.

——— Revision of the Bombylid genus *Aphæbantus*. <West Amer. Scientist, 1891, pp. 254–264.

——— Synopsis of the North American species of *Lordotus*. <Ent. Amer., iii, pp. 115–116, 1887.

JOHNSON, C. W.—A review of the species of the genus *Bombylius* of the Eastern United States. <Psyche, 1907, pp. 95–100.

TOWNSEND, C. H. T.—New and little known Diptera from the Organ Mountains and Vicinity in New Mexico. <Trans. Amer. Ent. Soc., xxvii, pp. 159–164, 1901.

Table of *Systropus*.

ACROCERIDÆ.

MELANDER, A. L.—Notes on the Acroceridæ. <Ent. News, 1902, p. 178.

DOLICHOPODIDÆ.

LOEW, H.—On the North American Dolichopodidæ. <Monographs of the Diptera of North America. Part II, 1864.

ALDRICH, J. M.—A revision of the genera *Dolichopus* and *Hygroceleuthus*. <Kans. Univ. Quart., ii, pp. 1–26, 1893.

WHEELER, W. M.—New species of Dolichopodidæ from the United States. <Proc. Cal. Acad. Sci., 3 ser., ii, Zool. No. 1, pp. 1–77, 1899.

Tables for the species of fifteen genera.

ALDRICH, J. M.—A contribution to the study of North American Dolichopodidæ. <Trans. Amer. Ent. Soc., xxx, pp. 269–286, 1904.

Tables of *Plastoneurus*, *Paraclius*, *Sarcionus*, *Psilopodinus*, *Agonosoma*.

——— The Dipterous genus *Scellus*, with one new species. <Ent. News, 1907, pp. 133–136.

EMPIDIDÆ.

COQUILLET, D. W.—Revision of the North American Empidæ. <Proc. U. S. Nat. Mus., xvii, pp. 387–440, 1896.

COQUILLETT, D. W.—The genera of the Dipterous family Empididae, with notes and new species. <Proc. Ent. Soc. Wash., v, pp. 245–272, 1903.

MELANDER, A. L.—Monograph of the North American Empididae. I. <Trans. Amer. Ent. Soc., xxviii, pp. 187–367, pls. 5, 1902.

PHORIDÆ.

ALDRICH, J. M.—New species of Phora. <Can. Ent., 1892, pp. 142–146.

Contains a table of species.

COQUILLETT, D. W.—Synopsis of the Dipterous genus Phora. <Can. Ent., 1895, pp. 103–110.

BRUES, C. T.—A monograph of the North American Phoridae. <Trans. Amer. Ent. Soc., xxix, pp. 331–404, pls. 5, 1903.

——— Fam. Phoridae. <Gen. Ins., Fasc. 44, pp. 21, pls. 2, 1906.

SYRPHIDÆ.

WILLISTON, S. W.—Synopsis of the North American Syrphidae. <Bul. 31, U. S. Nat. Mus., 1886.

SNOW, W. A.—Supplementary list of North American Syrphidae. <Kans. Univ. Quart., iii, pp. 249–262, 1895.

HUNTER, W. D.—A summary of the members of the genus Chilosia Meig. in North America, with descriptions of new species. <Can. Ent., 1896, pp. 227–233.

——— A new species of Tropidia (Syrphidae) and note on the generic position of Melanostoma rufipes Will. <Ent. News, 1896, pp. 215–216.

Table of Tropidia.

PLATYPEZIDÆ.

SNOW, W. A.—American Platypezidae. <Kans. Univ. Quart., iii, part I, pp. 143–152, 1894; part II, pp. 205–207, 1895.

PIPUNCULIDÆ.

HOUGH, G. DE N.—The Pipunculidae of the United States. <Proc. Bost. Soc. Nat. Hist., xxix, pp. 77–86, 1899.

KERTÉSZ, K.—Catalogus Pipunculidarum usque ad finem anni 1900 descriptorum. <Termes. Füzetek, xxv, pp. 157–168, 1901.

CONOPIDÆ.

WILLISTON, S. W.—The North American species of Conops. <Trans. Conn. Acad., iv, pp. 325–342, 1882.

WILLISTON, S. W.—North American Conopidæ: *Stylogaster*, *Dalmannia*, *Oncomyia*. <Trans. Conn. Acad., vi, pp. 5–12, 1883.

A revision of the three genera mentioned.

ADAMS, C. F.—Dipterological contributions. <Kans. Univ. Quart., iv, pp. 19–47, 1903.

Tables of *Zodion*, *Myopa*, *Chlorops*.

COQUILLETT, D. W.—A new *Dalmannia* from California. <Ent. News, 1892, pp. 150–151.

CESTRIDÆ.

BRAUER, FR.—*Monographie der Cestriden*. Wien, 1863.

Four supplements, by the same author, are published in *Wiener Ent. Zeit.*, v, p. 289, pl. iv, 1886; vi, pp. 4, 71, 217, 1887.

BAU, A.—Subfam. *Cestrinæ*. <Gen. Ins., Fasc. 43, pp. 31, pls. 2, 1906.

SWENK, M. H.—The North American species of *Cuterebra*. <Journ. N. Y. Ent. Soc., 1905, pp. 181–185.

TACHINIDÆ.

WILLISTON, S. W.—North American Tachinidæ. *Gonia*. <Can. Ent., xix, pp. 6–12, 1887.

BRAUER, FR., and BERGENSTAMM, J. E.—*Die Zweiflügler des Kaiserlichen Museums zu Wien*. Parts IV–VII, 1889–1894.

These parts contain a prodrome to a monograph of the *Muscaria Schizometopa* (excl. *Anthomyiidae*).

TOWNSEND, C. H. T.—The North American genera of Calyptrate Muscidæ. Paper II. <Trans. Amer. Ent. Soc., xix, pp. 133–144, 1892.

Table of the genera of Tachinidæ.

COQUILLETT, D. W.—Revision of the Tachinidæ of America, north of Mexico. <Tech. ser. 7, Div. Ent., U. S. Dept. Agr., 1897.

TOWNSEND, C. H. T.—Notes on the species of *Exorista* of temperate North America. <Psyche, vii, pp. 329–331, 1896.

SARCOPHAGIDÆ.

HAGEN, H. A.—List of North American Sarcophagidæ, examined by R. H. Meade, esq., Bradford, England. <Can. Ent., xiii, pp. 146–150, 1881.

TOWNSEND, C. H. T.—The North American genera of Calyptrate Muscidæ. Paper IV. <Trans. Amer. Ent. Soc., xix, pp. 279–284, 1892.

Tables of the genera of Sarcophagidæ and Muscidæ, s. str.

MUSCIDÆ.

TOWNSEND, C. H. T.—[See previous paper.]

HOUGH, G. DE N.—Synopsis of the Calliphorinae of the United States.
 <Zool. Bul., II, pp. 283–290, 1899.

——— Some Muscinae of North America. <Biol. Bul., I, pp. 19–33,
 1899.

DEXIIDÆ.

TOWNSEND, C. H. T.—The North American genera of Calyptrate
 Muscidae. Paper III. <Trans. Amer. Ent. Soc., XIX, pp. 273–
 278, 1892.

Table of the genera of Dexiidae.

ANTHOMYIDÆ.

HAGEN, H. A.—List of North American Anthomyidae, examined by
 R. H. Meade, esq., Bradford, England. <Can. Ent., XIII, pp.
 43–51, 1881.

STEIN, P.—Nordamerikanische Anthomyiden. <Berl. Ent. Zeitschr.,
 1897, pp. 161–288.

——— Die amerikanischen Anthomyiden des Museums für Natur-
 kunde zu Berlin und des ungarischen National Museums zu
 Budapest. <Ann. Mus. Hungar., II, pp. 414–495, 1904.

MICROPEZIDÆ.

CRESSON, E. T.—Dipterological notes, I. Micropezidae. <Trans.
 Amer. Ent. Soc., XXXIV, pp. 1–12, pls. 2, 1908.

ORTALIDÆ.

LOEW, H.—The family Ortalidae. <Monographs of the Diptera of
 North America, part III, 1873, pp. 1–209.

HENDEL, F.—Subfam. Pyrgotinae. <Gen. Ins., Fasc. 79, pp. 33, pl.
 1, 1909.

TRYPETIDÆ.

LOEW, H.—On the North American Trypetidae. <Monographs of
 the Diptera of North America, part I, 1862, pp. 49–102.

——— Review of the North American Trypetina. <Monographs of
 the Diptera of North America, part III, 1873, pp. 211–347.

COQUILLETT, D. W.—Notes and descriptions of Trypetidae. <Journ.
 N. Y. Ent. Soc., 1899, pp. 259–268.

Contains a synopsis of the genera.

ALDRICH, J. M.—The fruit-infesting forms of the Dipterous genus *Rhagoletis*, with one new species. <Can. Ent., 1909, pp. 69–73, pl. 1.

DOANE, R. W.—A new Trypetid of economic importance. <Ent. News, 1898, pp. 69–72.

Table of *Rhagoletis*.

ADAMS, C. F.—[See paper under *Leptidæ*.]

Table of *Urellia* and *Ictericia*.

SCIOMYZIDÆ.

LOEW, H.—On the North American *Sciomyzidæ*. <Monographs of the Diptera of North America, part I, 1862, pp. 103–128.

SAPROMYZIDÆ.

WILLISTON, S. W.—The American genera of *Sapromyzidæ*. <Ent. News, 1894, pp. 196–197.

HENDEL, F.—Subfam. *Lauxaniinæ*. <Gen. Ins., Fasc. 68, pp. 66, pls. 3, 1908.

HELOMYZIDÆ.

ALDRICH, J. M., and DARLINGTON, P. S.—The Dipterous family *Helomyzidæ*. <Trans. Amer. Ent. Soc., xxxiv, pp. 67–100, pls. 2, 1908.

OSCINIDÆ.

COQUILLETT, D. W.—Notes and descriptions of *Oscinidæ*. <Journ. N. Y. Ent. Soc., 1898, pp. 44–49.

ADAMS, C. F.—On the North American species of *Oscinis*. <Ent. News, 1905, pp. 108–111.

———Notes on North American species of *Crassiseta* V. Ros. <Journ. N. Y. Ent. Soc., 1908, pp. 151–152.

———North American species of *Siphonella*. <Psyche, 1904, p. 103.

SCATOPHAGIDÆ.

COQUILLETT, D. W.—On the Dipterous family *Scatophagidæ*. <Journ. N. Y. Ent. Soc., 1898, pp. 160–165.

EPHYDRIDÆ.

LOEW, H.—On the North American *Ephydrinidæ*. Monographs of the Diptera of North America, Pt. I, 1862, pp. 129–172. Smiths. Misc. Coll.

WHEELER, W. M.—The genus *Ochthera*. <Ent. News, 1896, pp. 121–123.

HINE, J. S.—On Diptera of the family Ephydriæ. <Ohio Nat., iv, pp. 63–65, 1904.

Tables of *Dichaeta* and *Cænia*.

JONES, B. J.—Catalogue of the Ephydriæ with bibliography and descriptions of new species. <Univ. of Cal. Pub., i, pp. 153–198, pl. 1, 1906.

HIPPOBOSCIDÆ AND NYCTERIBIDÆ.

COQUILLETT, D. W.—New genera and species of Nycteribidæ and Hippoboscidæ. <Can. Ent., 1899, pp. 333–336.

SPEISER, P.—Ueber die Strebliden. Fledermaus-Parasiten aus der Gruppe der Pupiparen Dipteren. <Arch. f. Naturg., LXVI, Bd. i, pp. 31–70, pls. 2, 1900.

——— Ueber die Nycteribiiden. Fledermaus-Parasiten aus der Gruppe der Pupiparen Dipteren. <Arch. f. Naturg., LXVII, Bd. i, pp. 11–78, pl. 1, 1901.

SIPHONAPTERA.

PULICIDÆ.

TASCHENBERG, O.—Die Flöhe. Die Arten der Insektenordnung Suctoria nach ihrem Chitinskelet monographisch dargestellt. Halle, 1880.

BAKER, C. F.—Preliminary studies in Siphonaptera. <Can. Ent., 1895, pp. 19–22, 63–66, 108–111, 130–132, 162–165, 186–191, 221–222.

——— A Revision of American Siphonaptera or fleas, together with a complete list and bibliography of the group. <Proc. U. S. Nat. Mus., xxvii, pp. 365–469, 1904.

——— The classification of the American Siphonaptera. <Proc. U. S. Nat. Mus., xxix, pp. 121–170, 1905.

LEPIDOPTERA.

I.—CATALOGUES AND LISTS.

DYAR, H. G.—A list of North American Lepidoptera. <Bul. 52, U. S. Nat. Mus., pp. 723, 1902.

Assisted by Messrs. Fernald, Hulst, and Busck.

SMITH, J. B.—Check list of the Lepidoptera of Boreal America. Amer. Ent. Soc., 1903, pp. 136.

Assisted by Messrs. Skinner and Kearfott.

BROOKLYN ENTOMOLOGICAL SOCIETY.—Check list of the Macrolepidoptera of America, north of Mexico. Brooklyn, N. Y., 1882.

GROTE, A. R.—New check list of North American moths. New York, 1882.

SMITH, J. B.—List of the Lepidoptera of Boreal America. Amer. Ent. Soc., Phila., 1891, pp. 124.

KIRBY, W. F.—A synonymic catalogue of the Lepidoptera Heterocera. I, Sphingides and Bombycides. London, 1892.

II.—GENERAL WORKS ON CLASSIFICATION.

MORRIS, J. G.—Synopsis of the described Lepidoptera of North America. Pt. I. Diurnal and Crepuscular Lepidoptera. <Smithsonian Institution, Washington, 1862.

Compiled descriptions of the North American Lepidoptera, from the Rhopalocera to the Bombycidae.

STRECKER, H.—Lepidoptera, Rhopaloceres and Heteroceres, indigenous and exotic; with descriptions and colored illustrations. Reading, Pa., 1872–1877.

Fifteen parts of this work have been published containing figures and descriptions of many North American species.

SMITH, J. B.—An introduction to a classification of the North American Lepidoptera. <Bul. Brooklyn Ent. Soc., viii, pp. 70–74, 81–83, 1884.

DYAR, H. G.—A classification of Lepidopterous larvæ. <Ann. N. Y. Acad. Sci., viii, pp. 194–232, 1895.

——— On the larvæ of the higher Bombycides. <Proc. Bost. Soc. Nat. Hist., xxvii, pp. 127–147, 1896.

FORBES, WM. T. M.—Field tables of Lepidoptera. Worcester, Mass., 1906, pp. 141.

Table to butterflies, Sphingides, and Saturnians, and to their caterpillars.

III.—LOCAL LISTS.

FERNALD, C. H.—The butterflies of Maine. Designed for the use of the students in the Maine State College and the farmers of the State. Orono, Me., 1884.

BEUTENMÜLLER, W.—Descriptive catalogue of the butterflies found within fifty miles of New York City. <Bul. Amer. Mus. Nat. Hist., v, pp. 241–310, 1893.

BLATCHLEY, W. S.—A catalogue of the butterflies known to occur in Indiana. <17th Rep. Geol. and Nat. Hist. Surv. Ind., pp. 365–408, 1892.

LUGGER, O.—Butterflies and moths. <Bul. 61, Minn. Agr. Exp. Sta., pp. 279, 1898; also 4th Ann. Rep. State Ent. Minn.

- ELROD, M. J.—The Butterflies of Montana. <Univ. Mont., 1906, pp. 174.
- HART, C. A.—Synopsis of insect collections. Lepidoptera. <Illinois State Lab. Nat. Hist., 1903, pp. 1-64.
- ANDERSON, E. M.—Catalogue of British Columbia Lepidoptera. Victoria, 1904, pp. 56.
- WOOLLY DOD, F. H.—Preliminary list of the Macrolepidoptera of Alberta, N. W. Terr. <Can. Ent., 1901, pp. 156-172; 1904, pp. 345-355; 1905, pp. 17-28, 49-60, 145-156, 173-184, 221-230, 241-252; 1906, pp. 45-54, 89-94, 253-267.

IV.—MONOGRAPHS AND SYNOPSES.

Rhopalocera.

- KIRBY, W. F.—A synonymic catalogue of Diurnal Lepidoptera. London, 1871; supplement, London, 1877.
A synonymical list of the butterflies of the world.
- SKINNER, H.—Synonymical catalogue of North American Rhopalocera. Amer. Ent. Soc., Phila., 1898.
——— A synonymic catalogue of the North American Rhopalocera. Supp. 1. Philadelphia, 1905.
- EDWARDS, W. H.—Revised catalogue of the Diurnal Lepidoptera of America, north of Mexico. <Trans. Amer. Ent. Soc., xi, pp. 245-338, 1884.
This supersedes a similar catalogue by the same author, published in 1877.
- HOLLAND, W. J.—The butterfly book. New York, 1898, pp. 382, pls. 48 (colored). Carnegie Museum, Pittsburg, Pa. Second edit., 1902.
- EDWARDS, W. H.—Butterflies of North America. 3 vols. Boston; I, 1879; II, 1884; III, 1897. Many plates.
- SCUDDER, S. H.—Butterflies of the Eastern United States and Canada. 3 vols. Boston, 1889, pp. 1958, pls. 89.
- FRENCH, G. H.—The Butterflies of the Eastern United States. For the use of classes in zoology and private students. Philadelphia, 1886.
Gives synopses of the genera and species, and descriptions of the species.
- WRIGHT, W. G.—The Butterflies of the West Coast of the United States. San Francisco, Cal., 1905, pp. 257, pls. 32.

SCUDDER, S. H.—Butterflies: Their structures, changes, and life-histories, with special reference to American forms. Being an application of the "doctrine of descent" to the study of butterflies, with an appendix of practical instructions. New York, 1881.

——— Brief guide to the common butterflies of the Northern United States and Canada. New York, 1893, pp. 206.

COMSTOCK, J. H. and A. B.—How to know the butterflies. New York, 1904, pp. 311, pls. 45.

SMITH, J. B.—Synopsis of the genera of the North American Rhopalocera. <Bul. Brooklyn Ent. Soc., vi, pp. 37–45, 1883.

A tabular synopsis embracing all North American genera.

AARON, E. M.—Notes on North American Hesperidæ. <Can. Ent., 1892, pp. 119–120.

A table of the genera.

SNYDER, A. J.—The Argynnids of North America. <Occ. Mem. Chicago Ent. Soc., i, No. 1, 1900.

A grouping of the species, with notes on many of them.

ROTHSCHILD, W., and JORDAN, K.—A revision of the American Papilios. <Novitates Zool., xiii, pp. 411–752, pls. 5, 1906.

STICHEL, H.—Subfamily Parnasiinae. <Gen. Ins., Fasc. 58, pp. 60, pls. 3, 1907.

MENGEL, L. W.—A catalogue of the Erycinidæ. Reading, Pa., 1905, pp. 161.

MABILLE, P.—Fam. Hesperidæ. <Gen. Ins., Fasc. 17, pp. 210, pls. 4, 1903.

DYAR, H. G.—A review of the Hesperidæ of the United States. <Journ. N. Y. Ent. Soc., 1905, pp. 111–141.

——— Synoptic table of the North American species of Chionobas. <Proc. Ent. Soc. Wash., v, p. 42, 1902.

——— Synopsis of the North American species of Brenthis. <Proc. Ent. Soc. Wash., v, pp. 130–131, 1903.

——— Synopsis of the North American species of Erebia. <Proc. Ent. Soc. Wash., v, pp. 129–130, 1903.

WATSON, E. Y.—A proposed classification of the Hesperidæ, with a revision of the genera. <Proc. Zool. Soc. London, 1893, pp. 3–132, pls. 3.

Heterocera.

HAMPSON, G. F.—Catalogue of the Lepidoptera Phalænæ in the British Museum. I, Syntomidæ, 1898; II, Arctiidæ, 1900; III, Arctiidæ and Agaristidæ, 1901; IV, Noctuidæ, 1903; V, Noctuidæ, 1905; VI, Noctuidæ, 1906; VII, Acronyctinæ, 1908.

HOLLAND, J. G.—The moth book. New York, 1903, pp. 479, pls. 48.

SPHINGIDÆ.

FERNALD, C. H.—The Sphingidæ of New England. Orono, Me., 1886.

Gives the life history, so far as known, of all species recorded from New England.

SMITH, J. B.—A monograph of the Sphingidæ of North America north of Mexico. <Trans. Amer. Ent. Soc., xv, pp. 49-242, pls. 12, 1888.

———List of the Sphingidæ of temperate North America. <Ent. Amer., 1888, pp. 89-94.

BEUTENMÜLLER, W.—Descriptive catalogue of the Sphingidæ found within fifty miles of New York City. <Bul. Amer. Mus. Nat. Hist., vii, pp. 275-320, 1895.

ROTHSCHILD, W., and JORDAN, K.—A revision of the Lepidopterous family Sphingidæ. <Novitates Zool., ix, pp. 1107, pls. 67, 1903.

———Fam. Sphingidæ. <Gen. Ins., Fasc. 57, pp. 57, pls. 8, 1907.

SESIIDÆ.

BEUTENMÜLLER, W.—Critical review of the Sesiidæ found in America north of Mexico. <Bul. Amer. Mus. Nat. Hist., viii, pp. 111-148, 1896.

———Monograph of the Sesiidæ of America north of Mexico. <Mem. Amer. Mus. Nat. Hist., i, pp. 217-352, pls. 8, 1901.

BUSCK, A.—Notes on the family Egeriidæ (Sesiidæ), with a synoptic table of the North American genera. <Proc. Ent. Soc. Wash., xi, pp. 115-118, 1909.

ZYGÆNIDÆ.

PACKARD, A. S.—Notes on the family Zyganidæ. <Proc. Essex Institute, iv, pp. 7-47, Pls. i, ii, 1864.

GROTE, A. R.—Catalogue of the Zyganidæ of North America. <Bul. Buffalo Soc. Nat. Sci., i, pp. 29-36, 1873.

STRETCH, R. H.—Illustrations of the Zyganidæ and Bombycidæ of North America. San Francisco, Cal., 1874, pp. 242, pls. 10.

ARCTIIDÆ.

SMITH, J. B.—Preliminary catalogue of the Arctiidæ of temperate North America. <Can. Ent., 1889, pp. 169-175, 193-200, 213-219; 1890, pp. 9-14, 31-36, 52-55, 73-75, 100-104, 116-120, 141-144, 161-168, 175-180, 204-208, 230-236.

Includes table to the genera.

STRETCH, R. H.—*Heterocera Americana*. <Journ. N. Y. Ent. Soc., 1906, pp. 117–125, pls 11.

Mostly Arctiidae.

DYAR, H. G.—Preliminary notes on the larvæ of the genus *Arctia*. <Journ. N. Y. Ent. Soc., 1900, pp. 34–47.

——— New American moths and synonymical notes. <Journ. N. Y. Ent. Soc., 1898, pp. 33–44.

Tables of *Nola*, *Roeselia*, *Cydosia*, *Pygaretia*, and *Lycomorpha*.

LYMAN, H. H.—The North American *Callimorphas*. <Can. Ent., xix, pp. 181–191, pl. 1, 1887.

SMITH, J. B.—The North American species of *Callimorpha*, Latr. <Proc. U. S. Nat. Mus., 1887, pp. 342–353, Pls. xiii, xiv.

BEUTENMÜLLER, W.—[See article under *Bombycidae*.]

FOSTER, F. H.—Some results of breeding moths of the genus *Haploa*. <Ent. News, 1901, pp. 79–83, 97–106, pl. 1.

DYAR, H. G.—A review of the species of *Haploa*. <Proc. Ent. Soc. Wash., v, pp. 6–9, 1902.

BOMBYCIDÆ.

NEUMOEGEN, B., and DYAR, H. G.—A preliminary revision of the *Bombyces* of America north of Mexico. <Journ. N. Y. Ent. Soc., 1893 and 1894. Issued as a separate.

PACKARD, A. S.—Synopsis of the *Bombycidae* of the United States. <Proc. Ent. Soc. Phila., iii, pp. 97–130, 331–396, 1864.

STRETCH, R. H.—Illustrations of the *Zyganidae* and *Bombycidae* of North America. San Francisco, Cal., 1874, pp. 242, pls. 10.

The *Lithosiidae* and *Arctiidae* are treated.

SMITH, J. B.—A revision of the Lepidopterous family *Saturnidae*. <Proc. U. S. Nat. Mus., ix, pp. 414–437, pls. 3, 1886.

PACKARD, A. S.—Monograph of the *Bombycine* moths of America north of Mexico. Pt. I, Family *Notodontidae*. <Mem. Nat. Acad. Sci., vii, pp. 390, pls. 49, 1896. Part II, Family *Ceratocampidae*. <Mem. Nat. Acad. Sci., ix, pp. 150, pls. 61, 1905.

NEUMOEGEN, B., and DYAR, H. G.—A preliminary revision of the Lepidopterous family *Notodontidae*. <Trans. Amer. Ent. Soc., xxi, pp. 179–208, 1894.

BEUTENMÜLLER, W.—Descriptive catalogue of the *Bombycine* moths found within fifty miles of New York City. <Bul. Amer. Mus. Nat. Hist., x, pp. 353–448, 1898.

DYAR, H. G., and MORTON, E.—Life-histories of the New York slug-caterpillars. <Journ. N. Y. Ent. Soc., 1895, pp. 145–157; 1896, pp. 1–9; 1897, pp. 1–14, 57–66, 167–170; 1898, pp. 1–9, 94–98, 151–158, 241–246; 1899, pp. 61–67, 234–253.

DYAR, H. G.—On the larval cases of North American Psychidæ. <Ent. News, 1893, pp. 320–321.

A synoptic table to the cases.

——— Notes on *Cerura*, with descriptions of new species. <Psyche, vi, pp. 290–292, 1892.

——— *Orgyia badia* Hy. Edw. and other notes, with a table to separate the larvæ of *Orgyia*. <Psyche, vi, pp. 419–421, 1893.

——— Final notes on *Orgyia*. <Psyche, vii, pp. 340–342, 1896.
Table to larvæ.

——— Notes on *Gluphisia*. <Psyche, vi, pp. 529–530, 1893.

——— A note on the larva of *Datana floridana* Græf. <Psyche, vi, p. 573, 1893.
Table of mature larvæ.

——— A review of the North American species of the Lepidopterous family Anthroceridæ. <Proc. Ent. Soc. Wash., v, pp. 322–329, 1903.

——— The larvæ of the Clisiocampæ. <Can. Ent., 1893, pp. 37–44.

——— The genus *Datana*. <Ent. Amer., vi, pp. 127–132, 1890.

NOCTUIDÆ.

GROTE, A. R.—List of the Noctuidæ of North America. <Bul. Buffalo Soc. Nat. Hist., ii, pp. 1–77, 1874.

SMITH, J. B.—A catalogue, bibliographical and synonymical, of the species of moths of the Lepidopterous superfamily Noctuidæ found in Boreal America, with critical notes. <Bul. 44, U. S. Nat. Mus., pp. 424, 1893.

GROTE, A. R.—Introduction to a study of the North American Noctuidæ. <Proc. Amer. Phil. Soc., xxi, pp. 134–176, 1883.

Gives a brief review of structural characters of the family.

SMITH, J. B.—A synopsis of the North American genera of the Noctuidæ. <Bul. Brooklyn Ent. Soc., iv, 1882, pp. 48–52, and v, from May till November, 1882.

Contains a tabular synopsis of the genera, with critical notes on many of them.

——— Contributions toward a monograph of the Noctuidæ of temperate North America. The genus *Oligia*. <Ent. Amer., 1889, pp. 145–152; Revision of the species of *Pseudanarta*. <Ent.

SMITH, J. B.—Continued.

- Amer., 1889, pp. 175–179; Revision of some *Tæniocampid* genera. <Proc. U. S. Nat. Mus., xii, pp. 455–496, 1889; Revision of the species of *Oncocnemis*. <Trans. Amer. Ent. Soc., xvi, pp. 321–349, 1889; Revision of *Scopelosoma*. <Ent. Amer., 1890, pp. 146–153; Revision of the species of the genus *Agrotis*. <Bul. 38, U. S. Nat. Mus., 1890, pp. 231, pls. 6; Revision of *Homohadena*. <Proc. U. S. Nat. Mus., xiii, pp. 397–405; Revision of the species of *Mamestra*. <Proc. U. S. Nat. Mus., xiv, pp. 197–276, 1891; Revision of the species of *Hadena* referable to *Xylophasia* and *Luperina*. <Proc. U. S. Nat. Mus., xiii, pp. 407–447, 1891; Revision of the genus *Cucullia*; Revision of the *Dicopinae*; Revision of *Xylomiges* and *Morrisonia*. <Proc. U. S. Nat. Mus., xv, pp. 33–86, 1892; A revision of the *Deltoid* moths. <Bul. 48, U. S. Nat. Mus., 1895, pp. 120, pls. 14; Revision of the genus *Hydrœcia*. <Trans. Amer. Ent. Soc., xxvi, pp. 1–48, 1899.
- Contributions toward a monograph of the North American Noctuidæ. Revision of the species of *Xylina* Ochs. <Trans. Amer. Ent. Soc., xxvii, pp. 1–47, pls. 5, 1900.
- Contributions toward a monograph of the North American Noctuidæ. Revision of the species of *Acontia* Ochs. <Trans. Amer. Ent. Soc., xxvii, pp. 47–84, 1900.
- Contributions toward a monograph of the Lepidopterous family Noctuidæ of Boreal North America. A revision of the moths referred to the genus *Leucania*, with descriptions of new species. <Proc. U. S. Nat. Mus., xxv, pp. 159–209, pls. 2, 1902.
- A revision of the Boreal American species of *Nonagria* Ochs. <Proc. Ent. Soc. Wash., v, pp. 311–319, 1903.
- Notes on the species of *Amathes* Hbn. Revision of the species of *Pleonectyptera*. <Trans. Amer. Ent. Soc., xxxiii, pp. 367–379, pl. 1, 1907.
- A revision of some species of Noctuidæ heretofore referred to the genus *Homohadena*. <Proc. U. S. Nat. Mus., xxxv, pp. 209–275, pls. 6, 1908.
- New species of Noctuidæ for 1908, I, with notes on *Charadra*, *Raphia*, and *Pseudanarta*. <Journ. N. Y. Ent. Soc., 1908, pp. 79–98.
- Tables of *Charadra* and *Raphia*.
- and DYAR, H. G.—A revision of the species of *Acronycta* and of certain allied genera. <Proc. U. S. Nat. Mus., xxi, pp. 1–194, 1898.

- BEUTENMÜLLER, W.—Descriptive catalogue of the Noctuidæ within 50 miles of New York City. <Bul. Amer. Mus. Nat. Hist., xiv, pp. 229–312, 1901; *ibid.*, xvi, pp. 413–458, pls. 4, 1902.
- FRENCH, G. H.—Synopsis of the Noctuidæ of Illinois. Greenville, Ill., 1882. <Curator's Report in the Eighth Ann. Rep. of the Principal to the Board of Trustees of the South Illinois Normal University.
- SMITH, J. B.—Synopsis of the North American Heliothinae. <Trans. Amer. Ent. Soc., x, pp. 205–256, Pls. vii, viii, 1883.
- GROTE, A. R.—Remarks upon the North American Heliothinae and their recent literature. <Trans. Amer. Ent. Soc., x, pp. 257–268, 1883.
- HULST, G. D.—The genus *Catocala*. <Bul. Brooklyn Ent. Soc., vii, pp. 13–56, Pl. i, 1884.

GEOMETRIDÆ.

- PACKARD, A. S.—A monograph of the Geometrid moths or Phalaenidæ of the United States. <Rep. U. S. Geol. and Geog. Surv., x, pp. 607, pls. 13, 1876.
- This supersedes all prior works and gives a complete index to the prior literature, as well as a description of every species.
- HULST, G. D.—A classification of the Geometrina of North America, with descriptions of new genera and species. <Trans. Amer. Ent. Soc., xxiii, pp. 245–386, 1896.
- V. GUMPPENBERG, C. FREIH.—Systema Geometrarum zonae temperatioris septentrionalis. 8 parts. <Nova Acta der k. Leop.-Carol. Deutschen Akad. der Naturforscher, 1887–1897.
- DYAR, H. G.—A new *Plagodis*. <Can. Ent., 1899, pp. 266.

PYRALIDÆ.

- RAGONOT, E. L.—Monographie des Phycitinae et des Galleriinae. Romanoff's "Mémoires sur les Lépidoptères," vii, pp. 658, pls. 23, 1893.
- HULST, G. D.—The Phycitidæ of North America. <Trans. Amer. Ent. Soc., xvii, pp. 93–228, 1890.
- The *Epipaschiinae* of North America. <Ent. Amer., 1889, pp. 41–52, 61–76.
- FERNALD, C. H.—The Crambidae of North America. <Ann. Rep. Mass. Agr. Coll., pp. 96, pls. 9, 1896.

FELT, E. P.—On certain grass-eating insects. <Bull. 64, Cornell Univ. Agr. Exp. Sta., pp. 47–102, pls. 14, 1894.

Synopsis and catalogue of Crambus.

DYAR, H. G.—The North American Nymphalinae and Scopariinae. <Journ. N. Y. Ent. Soc., 1906, pp. 77–107.

KEARFOTT, W. D.—Descriptions of new species of North American Crambid moths. <Proc. U. S. Nat. Mus., xxxv, pp. 367–393, 1908.

Tables of Mesolia, Prionapteryx, Thaumatopsis, Diatraea, and Chilo.

FERNALD, C. H.—On the genus Schoenobius. <Ent. Amer., iv, pp. 135–139, 1888.

——— On the genus Diatraea. <Ent. Amer., iv, pp. 119–120, 1888.

DYAR, H. G.—Notes on the species of Acrobasis, with descriptions of new species. <Proc. Ent. Soc. Wash., x, pp. 41–48, 1908.

——— A review of the North American Pyralinae. <Proc. Ent. Soc. Wash., x, pp. 96–102, 1908.

——— A review of the North American Chrysauginae. <Proc. Ent. Soc. Wash., x, pp. 92–96, 1908.

PTEROPHORIDÆ.

FERNALD, C. H.—The Pterophoridae of North America. <Spec. Bul. Mass. Agr. Coll., 1898, pp. 64, pls. 9.

TORTRICIDÆ.

FERNALD, C. H.—A synonymical catalogue of the described Tortricidæ of North America, north of Mexico. <Trans. Amer. Ent. Soc., x, pp. 1–64, 1882; also separate.

ROBINSON, C. T.—Notes on American Tortricidæ. <Trans. Amer. Ent. Soc., ii, pp. 261–288, Pls. I and IV–VIII, 1869.

LORD WALSLINGHAM.—North American Tortricidæ. British Museum. Illustrations of typical specimens of Lepidoptera Heterocera in the collection of the British Museum. 1 vol., folio, pp. 12+84, Pls. I–XVII, 1879.

ZELLER, P. C.—Beiträge zur Kenntniss der nordamerikanischen Nachtfalter, besonders der Microlepidopteren. <Verh. k. k. zool.-bot. Ges. Wien, 1872, pp. 447–556; 1873, pp. 130; 1875, pp. 207–360.

Treats chiefly of Tortricidæ and Tineidæ.

FERNALD, C. H.—On the North American species of Choreutis and its allies. <Can. Ent., 1900, pp. 236–245.

——— The genera of the Tortricidæ and their types. Amherst, Mass., 1908.

- KEARFOTT, W. D.—North American Tortricidæ, genus *Polychrosis* Rag. <Trans. Amer. Ent. Soc., xxx, pp. 287–299, pls. 2, 1904.
- BUSCK, A.—A review of the Tortricid subfamily Phaloniinæ, with descriptions of new American species. <Journ. N. Y. Ent. Soc., 1907, pp. 19–36.
- Notes on some Tortricid genera with descriptions of new American species. <Proc. Biol. Soc. Wash., xix, pp. 173–182, 1906.

Tables of Hemimene and Lipoptycha.

TINEIDÆ.

- CLEMENS, B.—The Tineina of North America, by the late Dr. Brackenridge Clemens. Being a collected edition of his writings on that group of insects. With notes by the editor, H. T. Stainton. London, 1872, pp. 15+282.
- CHAMBERS, V. T.—Index to the described Tineina of the United States and Canada. <Bul. U. S. Geol. and Geog. Surv., iv, pp. 125–167, 1878.
- LORD WALSINGHAM.—North American Coleophoræ. <Trans. Ent. Soc. London, 1882, pp. 429–442, Pl. xvii.
- A revision of the genera *Acrolophus*, *Poey* and *Anaphora*, Clem. <Trans. Ent. Soc. London, 1887, pp. 137–173, Pls. vii, viii.
- Steps toward a revision of Chambers's Index, with notes and descriptions of new species. <Insect Life, i, pp. 81–84, 113–117, 145–150, 254–258, 287–291; ii, pp. 23–26, 51–54, 77–81, 116–120, 150–155, 284–286, 322–326; iii, pp. 325–329, 386–389; iv, pp. 384–385.
- DYAR, H. G.—Notes on some North American Yponomeutidæ. <Can. Ent., 1900, pp. 37–41, 84–86.
- ZELLER, P. C.—(See work cited under Tortricidæ.)
- BRAUN, A. F.—Revision of the North American species of the genus *Lithocolletis*. <Trans. Amer. Ent. Soc., xxxiv, pp. 269–357, pls. 5, 1908.
- BUSCK, A.—Description of American moths of the genus *Cerostoma*. <Ent. News, 1906, pp. 96–99.
- Table of species.
- A generic revision of the American moths of the family Cecophoridae, with descriptions of new species. <Proc. U. S. Nat. Mus., xxxv, pp. 187–207, 1908.

- BUSCK, A.—Revision of the American moths of the genus *Argyresthia*. <Proc. U. S. Nat. Mus., xxxii, pp. 5–24, pls. 2, 1907.
- Notes on the *Cerostoma* group of *Yponomeutidæ*, with descriptions of new North American species. <Journ. N. Y. Ent. Soc., 1903, pp. 45–58.
- A revision of the American moths of the family *Gelechiidæ*, with descriptions of new species. <Proc. U. S. Nat. Mus., xxv, pp. 767–938, pls. 5, 1903.
- A review of the American moths of the genus *Depressaria* Haworth, with descriptions of new species. <Proc. U. S. Nat. Mus., xxiv, pp. 731–749, 1902.
- A review of the American moths of the genus *Cosmopteryx* Hübner. <Proc. U. S. Nat. Mus., xxx, pp. 707–713, 1906.
- DIETZ, W. G.—The North American species of the genus *Ornix* Tr. <Trans. Amer. Ent. Soc., xxxiii, pp. 287–298, pl. 1, 1907.
- Revision of the genera and species of the Tineid subfamilies *Amydriinæ* and *Tineinæ* inhabiting North America. <Trans. Amer. Ent. Soc., xxxi, pp. 1–96, pls. 6, 1905.
- On *Pigritia* Clem. <Trans. Amer. Ent. Soc., xxvii, pp. 100–120, pls. 2, 1901.
- DYAR, H. G.—A review of the North American species of *Pronuba* and *Prodoxus*. <Journ. N. Y. Ent. Soc., 1903, pp. 102–104.
- A review of the genus *Ethmia*, with descriptions of new species. <Journ. N. Y. Ent. Soc., 1902, pp. 202–208.
- New species of *Semioscopus*. <Can. Ent., 1902, pp. 319–320.
- KEARFOTT, W. D.—Descriptions of new Tineoidea. <Journ. N. Y. Ent. Soc., 1903, pp. 145–165.
- Synopsis of *Recurvaria*.
- A revision of the North American species of the genus *Choreutis*. <Journ. N. Y. Ent. Soc., 1902, pp. 106–125.

COLEOPTERA.

I.—CATALOGUES AND CHECK-LISTS.

- MELSHEIMER, F. E.—Catalogue of the described Coleoptera of the United States. Revised by S. S. Haldeman and J. L. Le Conte. Washington, Smithsonian Institution, 1853.
- Now antiquated, but still the only reference catalogue of North American Coleoptera.
- HENSHAW, S.—List of the Coleoptera of America, north of Mexico. Amer. Ent. Soc. Phila., 1885.
- This supersedes all previous lists.

HENSHAW, S.—First supplement to the List of Coleoptera of America, north of Mexico. <Entomologica Americana, II, pp. 213–220, 1887.

Also issued as separate pamphlet by the Brooklyn Entomological Society.

———Third supplement to the List of Coleoptera of America, north of Mexico. Amer. Ent. Soc. Phila., 1895.

Contains also a list of synopses of genera supplementary to that in the "Classification."

GEMMINGER, M., and VON HAROLD, E.—Catalogus Coleopterorum hucusque descriptorum synonymicus et systematicus. 12 vols. Munich, 1868–1876.

A synonymical reference catalogue of the Coleoptera of the whole world.

APPENDICES TO GEMMINGER AND HAROLD'S CATALOGUE.

FLEUTIAUX, E.—Catalogue systématique des Cicindelidæ décrits depuis Linné. <Mém. Soc. Sci. Liège, 1892.

GEHIN, J. B.—Catalogue synonymique et systématique des Coléoptères de la tribu des Carabides. Remiremont, 1885.

VAN DEN BRANDEN, C.—Catalogue des Coléoptères carnassiers aquatiques (Haliplidæ, Amphizoidæ, Pelobiidæ, et Dytiscidæ). <Ann. Soc. Ent. Belg., 1885, pp. 5–115.

SEVERIN, G.—Catalogue des Coléoptères de la famille des Gyrinides. <Ann. Soc. Ent. Belg., 1889, pp. 149–179.

DUVIVIER, A.—Enumeration des Staphylinides décrits depuis la publication du Catalogue de MM. Gemminger et de Harold. <Ann. Soc. Ent. Belg., 1883, pp. 91–220.

BERGE, A.—Énumération des Cétonides décrits depuis la publication du Catalogue de MM. Gemminger et de Harold. <Ann. Soc. Ent. Belg., 1884, pp. 113–163.

NONFRIED, A. F.—Verzeichniss der seit 1871 neu beschriebenen Glaphyriden, Melolonthiden, und Euchiriden. <Berl. Ent. Zeitschr., 1892, pp. 249–290.

———Verzeichniss der Rutelidæ beschrieben nach der Herausgabe des Münchener Kataloges. <Berl. Ent. Zeitschr., 1891, pp. 347–358, 449–454.

PREUDHOMME DE BORRE, A.—Catalogue des Trogides décrits jusqu'à ce jour. <Ann. Soc. Ent. Belg., 1886, pp. 54–82.

FLEUTIAUX, E.—Supplément au Catalogue des Coléoptères de MM. Gemminger et de Harold: Languriides et Erotylides. <Ann. Soc. Ent. Belg., 1886, pp. 216–224.

- CHAMPION, G. C.—A list of the Lagriidæ, Othniidæ, Nilionidæ, Petriidæ, Pythidæ, Melandryidæ, Pedilidæ (part), Pyrochroidæ, and Mordellidæ, supplementary to the "Munich" Catalogue. <Ann. Soc. Ent. Belg., 1898, pp. 46–104.
- A list of the Cantharidæ, supplementary to the "Munich" Catalogue. <Ann. Soc. Ent. Belg., 1899, pp. 153–208.
- A list of the Rhipidophoridæ and CEdemeridæ, supplementary to the "Munich" Catalogue. <Ann. Soc. Ent. Belg., 1899, pp. 39–61.
- A list of Tenebrionidæ, supplementary to the "Munich" Catalogue. <Mém. Soc. Ent. Belg., No. 3, 1895.
- A list of the Egialitidæ and Cistelidæ, supplementary to the "Munich" Catalogue. <Mém. Soc. Ent. Belg., No. 6, 1897, pp. 147–177.
- KERREMANS, CH.—Catalogue synonymique des Buprestides décrits de 1758 à 1890. <Mém. Soc. Ent. Belg. No. 1, 1892.
- CANDÈZE, E.—Catalogue méthodique des Elatérides connus en 1890. Liège, 1891, pp. 246.
- LAMEERE, A.—Liste des Cérambycides décrits postérieurement au Catalogue de Munich. <Ann. Soc. Ent. Belg., 1882, pp. 1–78; 1883, pp. civ–cv.
- FLEUTIAUX, E.—Supplément au "Catalogus Coleopterorum" de Gemminger et Harold. V, 1869. <Ann. Soc. Ent. Belg., 1894, pp. 687–691. (Trixagidæ and Monommidæ.)
- DONCKIER DE DONCEEL, H.—Liste des Brentidæ décrits postérieurement au Catalogue de MM. Gemminger et von Harold. <C. R. Soc. Ent. Belg., 1884, pp. cciii–cccx.
- Liste des Anthribides décrits postérieurement au Catalogue de Gemminger et von Harold. <C. R. Soc. Ent. Belg., 1884, pp. cccxiv–cccxxiii.
- PIC, M.—Liste des Anthicidæ décrits postérieurement au Catalogus de MM. Gemminger et Harold (1870–1893). <Ann. Soc. Ent. Belg., 1894, pp. 43–58, 137–138, 237–238.
- Premier supplément à ma liste des Anthicidæ. <Ann. Soc. Ent. Belg., 1897, pp. 212–224, 343–344.
- VAN DEN BRANDEN, C.—Enumération des Coléoptères Phytophages décrits postérieurement au Catalogue de MM. Gemminger et von Harold. Hispidæ et Cassidæ. <Mém. Soc. Sci. Liège, xi, pp. 16, 1885.

DONCKIER DE DONCEEL, H.—Liste des Sagrides, Criocerides, Clythrides, Megalopides, Cryptocephalides, et Lamprosomides décrits postérieurement au Catalogue de MM. Gemminger et von Harold. <Mém. Soc. Sci. Liège, xi, pp. 31, 1885.

DUVIVIER, A.—Catalogue des Chrysomelides, Halticides, et Galeucides décrits postérieurement à la publication du Catalogue de Munich. <Mém. Soc. Sci. Liège, xi, pp. 64, 1885.

DONCKIER DE DONCEEL, H.—Catalogue systématique des Hispidés. <Ann. Soc. Ent. France, 1899 (1900), pp. 540–615.

II.—GENERAL WORKS ON CLASSIFICATION.

LE CONTE, J. L.—Classification of the Coleoptera of North America. Washington, Smithsonian Institution. Pt. I, 1861; Pt. II, 1873.
Only completed as far as the Cerambycidae; the rest has never been published.

LE BARON, W.—Outlines of Entomology, published in connection with the author's Annual Reports upon injurious insects. Part first. Including the Order of Coleoptera. <Fourth Annual Report on the Noxious and Beneficial Insects of the State of Illinois. Sep. Edit. Springfield, 1874.

LACORDAIRE, J. T.—Histoire naturelle des Insectes. Genera des Coléoptères, ou exposé méthodique et critique de tous les genres proposés jusqu'ici dans cet ordre d'insectes. [Completed by J. Chapuis.] Paris, France, 1854–1876. 12 vols. and 1 vol. pls.

LE CONTE, J. L. and HORN, G. H.—Classification of the Coleoptera of North America. Prepared for the Smithsonian Institution. Washington, Smithsonian Institution, 1883.

HAYWARD, R.—Classification of the families of the Coleoptera of America, north of Mexico. <Amer. Ent. Soc., Phila., 1909, pp. 37.

IMHOFF, L.—Versuch einer Einführung in das Studium der Koleopteren. Basel, Switzerland, 1856.

Although old, this is still very useful.

LAMEERE, A.—Notes pour la classification des Coléoptères. <Ann. Soc. Ent. Belg., 1900, pp. 355–377.

KOLBE, H. J.—Vergleichendmorphologische Untersuchungen an Coleopteren nebst Grundlagen zu einem System und zur Systematik derselben. <Arch. f. Naturg., LVII, Beiheft, pp. 89–150, 1901.

GANGLBAUER, L.—Die Käfer von Mitteleuropa. Vienna, 1892–1908. Four volumes published, containing the Caraboidea, Staphylinidea, and Clavicornia.

Extremely valuable for classification.

III.—LOCAL LISTS.

WICKHAM, H. F.—The Coleoptera of Canada. <Can. Ent.; Cicindelidæ, 1894, pp. 149–154; Scarabæidæ, 1894, pp. 197–207, 229–234, 259–264; Coccinellidæ, 1894, pp. 297–306; Endomychidæ and Erotylidæ, 1894, pp. 337–342; Cucujidæ, 1895, pp. 25–29; Halipidæ and Dytiscidæ, 1895, pp. 69–76, 117–122, 149–153; Hydrophilidæ, 1895, pp. 181–186, 213–216; Cleridæ, 1895, pp. 247–253; Meloidæ, 1896, pp. 31–35; Chrysomelidæ, 1896, pp. 67–74, 151–157, 171–174, 199–203; 1897, pp. 7–12, 29–37, 60–63; Cerambycidæ, 1897, pp. 81–88, 105–111, 148–153, 169–173, 187–193, 201–208; 1898, pp. 37–44; CEdemeridæ and Cephaloidæ, 1898, pp. 149–152; Lucanidæ, 1899, pp. 21–25; Pythidæ, 1899, pp. 57–61; Supplementary, 1899, pp. 81–86.

LENG, C. W., and BEUTENMÜLLER, W.—Preliminary handbook of the Coleoptera of northeastern America. <Journ. N. Y. Ent. Soc., 1894, pp. 87–96, 133–141, 175–190; 1895, pp. 73–76, 180–190; 1896, pp. 33–49; 1897, pp. 36–40, 133–149.

The parts published deal with the Cicindelidæ and Carabidæ.

FALL, H. C.—List of the Coleoptera of Southern California, with notes on habits and distribution and descriptions of new species. <Proc. Cal. Acad. Sci., viii, pp. 282, 1902.

——— and COCKERELL, T. D. A.—The Coleoptera of New Mexico. <Trans. Amer. Ent. Soc., xxxiii, pp. 145–272, 1907.

HORN, G. H.—The Coleoptera of Baja California. <Proc. Cal. Acad. Sci., iv, pp. 302–449, 1894; *ibid.*, v, pp. 225–259, 1895; *ibid.*, vi, pp. 367–381, 1896.

Includes tables of several genera.

HAMILTON, J.—Catalogue of the Coleoptera of Alaska, with the synonymy and distribution. <Trans. Amer. Ent. Soc., xxi, pp. 1–38, 1894.

——— Catalogue of the Coleoptera of southwestern Pennsylvania, with notes and descriptions. <Trans. Amer. Ent. Soc., xxii, pp. 317–381, 1895.

DURY, CH.—A revised list of Coleoptera observed near Cincinnati, Ohio, with notes. <Journ. Cin. Soc. Nat. Hist., xx, pp. 107–189, 1902.

WICKHAM, H. F.—A catalogue of the Coleoptera of Colorado. <Bul. Lab. Nat. Hist. State Univ. Iowa, v (3), pp. 217–310, 1902.

ULKE, H.—A list of the beetles of the District of Columbia. <Proc. U. S. Nat. Mus., xxv, pp. 1–57, 1902.

IV.—MONOGRAPHS AND SYNOPSES.

HENSHAW, S.—References for specific identification. <Appendix II of Le Conte and Horn's "Classification," 1883, pp. 535-552.

A "list of bibliographical references to memoirs in which more or less complete synopses of the families, genera, and species of the Coleoptera of the United States have been published."

———Third supplement to the list of Coleoptera of America, north of Mexico. Amer. Ent. Soc. Phila., 1895.

Contains a supplementary list of synopses of genera.

CICINDELIDÆ.

SCHAUPP, F. G.—Synoptic tables of Coleoptera, Cicindelidæ. <Bul. Brooklyn Ent. Soc., vi, November, 1883, and subsequent numbers. Also issued as separate pamphlet by the Brooklyn Entomological Society.

LENG, C. W.—Revision of the Cicindelidæ of Boreal America. <Trans. Amer. Ent. Soc., xxviii, pp. 93-186, 1902.

HORN, W.—Systematischen Index der Cicindeliden. <Deutsche Ent. Zeitschr. f. 1905, App., pp. 56.

———Fam. Cicindelidæ. <Gen. Ins., Fasc. 82a, pp. 104, pls. 4,

CARABIDÆ.

LE CONTE, J. L.—Notes on the classification of the Carabidæ of the United States. <Trans. Amer. Phil. Soc., ser. 2. x, pp. 363-403, 1853.

HORN, G. H.—On the genera of Carabidæ, with special reference to the fauna of Boreal America. <Trans. Amer. Ent. Soc., ix, pp. 91-196, Pls. III-X, 1882.

———Synopsis of the species of the tribe Lebiini. <Trans. Amer. Ent. Soc., x, pp. 126-163, 1883.

———Notes on *Amara* s. g. *Triæna*. <Trans. Amer. Ent. Soc., xix, pp. 18-19, 1892.

———A study of *Amara* s. g. *Celia*. <Trans. Amer. Ent. Soc., xix, pp. 19-40, 1892.

HAYWARD, R.—On the species of *Bembidium* of America, north of Mexico. <Trans. Amer. Ent. Soc., xxiv, pp. 32-143, 1897.

SCHWARZ, E. A.—Notes on *Nomaretus*, with descriptions of two new species. <Proc. Ent. Soc. Wash., iii, pp. 269-273, 1895.

HAYWARD, R.—A study of the species of *Tachys* of Boreal America. <Trans. Amer. Ent. Soc., xxvi, pp. 191-238, 1899 (1900).

- LE CONTE, J. L.—Synopsis of the North American species of *Platynus*, Bon. <Bul. Brooklyn Ent. Soc., II, pp. 43–58, 1879.
- HAYWARD, R.—Studies in *Amara*. <Trans. Amer. Ent. Soc., XXXIV, pp. 13–65, 1908.
- ROESCHKE, H.—Monographie der Carabiden Tribus Cychrini. <Ann. Mus. Nat. Hung., v, pp. 9–277, 1907.
- ROUSSEAU, E.—Fam. Carabidæ, subfam. Omophroninæ. <Gen. Ins., Fasc. 83, pp. 5, pl. 1, 1909.
- FALL, H. C.—On the affinities of the genus *Tachycellus*, with descriptions of new species from the Western United States. <Journ. N. Y. Ent. Soc., 1905, pp. 169–178.

Tables of *Tachycellus* and *Glycerius*.

- A review of the North American species of *Notiophilus*. <Psyche, 1906, pp. 79–92.

Of most of our genera of this extensive family we have monographs or synopses by Le Conte, Horn, or Crotch, and the tables for the determination of the species are reproduced and augmented by some original tables in the Bulletin of the Brooklyn Entomological Society, from Volume I to Volume VI.

HALIPLIDÆ.

- CROTCH, G. R.—Revision of the Dytiscidæ of the United States. <Haliplides, Trans. Amer. Ent. Soc., iv, pp. 383–385, 1872–1873.

DYTISCIDÆ.

- CROTCH, G. R.—[See work just cited; Dytiscidæ, pp. 385–424.]
- SHARP, D.—On aquatic carnivorous Coleoptera or Dytiscidæ. <Trans. Royal Dublin Soc., II, pp. 179–1003, plates, 1882.
- A monograph of the Dytiscidæ of the whole world.
- ROBERTS, C. H.—The distinctive characters of the eastern species of the genera *Dytiscus* and *Cybister*. <Journ. N. Y. Ent. Soc., 1905, pp. 103–107.
- SCHÆFFER, CHAS.—On North American and some Cuban *Copelatus*. <Journ. N. Y. Ent. Soc., 1908, pp. 16–18.

GYRINIDÆ.

- LE CONTE, J. L.—The Gyrinidæ of America, north of Mexico. <Proc. Acad. Nat. Sci. Phila., 1868, pp. 365–373.
- REGIMBART, M.—Essai monographique de la famille des Gyrinides. <Ann. Soc. Ent. France, 1882–1883, pls. 8.
- Treats of the Gyrinidæ of the whole globe.

ROBERTS, C. H.—The species of Dineutes of America, north of Mexico. <Trans. Amer. Ent. Soc., xxii, pp. 279–288, 1895.

REGIMBART, M.—Fam. Gyrinidæ. <Gen. Ins., Fasc. 1, pp. 12, pl. 1, 1902.

HYDROPHILIDÆ.

LE CONTE, J. L.—Synopsis of the Hydrophilidæ of the United States. <Proc. Acad. Nat. Sci. Phila., vii, pp. 356–375, 1855.

HORN, G. H.—Revision of the genera and species of the tribe Hydrobiini. <Proc. Amer. Phil. Soc., 1873, pp. 118–137.

——— Notes on the species of Ochthebius of Boreal America. <Trans. Amer. Ent. Soc., xvii, pp. 18–26, 1890.

——— A revision of the Sphæridiini inhabiting Boreal America. <Trans. Amer. Ent. Soc., xvii, pp. 279–314, 1890.

——— [See article under “Local Lists.”]

Table of Hydrocharis.

——— Notes on some Hydrobiini of Boreal America. <Trans. Amer. Ent. Soc., xvii, pp. 237–278, 1890.

Contains synopses of Philhydrus and allied genera and of Hydrobius and Creniphilus, Pls. iii and iv.

CASEY, T. L.—[See work cited under Corylophidæ.]

Table of species of Limnebius.

ZAITZEV, PH.—Catalogue des Coléoptères aquatiques des familles des Dryopidæ, Georyssidæ, Cyathoceridæ, Heteroceridæ, et Hydrophilidæ. <Hor. Soc. Ent. Ross., 1908, pp. 138.

RÉGIMBART, M.—Revision des grands Hydrophiles. <Ann. Soc. Ent. France, 1902, pp. 188–232.

SILPHIDÆ.

LE CONTE, J. L.—Synopsis of the Silphales of America, north of Mexico. <Proc. Acad. Nat. Sci. Phila., vi, pp. 274–287, 1853.

HORN, G. H.—Synopsis of the Silphidæ of the United States, with reference to the genera of other countries. <Trans. Amer. Ent. Soc., viii, pp. 219–322, Pls. v–vii, 1880.

SCYDMENIDÆ.

LE CONTE, J. L.—Synopsis of the Scydmanidæ of the United States. <Proc. Acad. Nat. Sci. Phila., vi, pp. 149–157, 1854.

CASEY, T. L.—Coleopterological notices, VII. <Ann. N. Y. Acad. Sci., ix, pp. 285–684, 1897.

Synopsis of the Scydmaenidæ.

PSELAPHIDÆ.

LE CONTE, J. L.—On the Pselaphidæ of the United States. <Boston Journ. Nat. Hist., vi, pp. 64–110, 1850.

BRENDEL, E.—Synopsis of the genera and species of the family Pselaphidæ. <Proc. Ent. Soc. Phila., vi, pp. 31–38, 1866–1867.

CASEY, T. L.—Euplectini. <Contributions to the descriptive and systematic Coleopterology of North America. Pt. II, pp. 93–122, 1884.

BRENDEL, E., and WICKHAM, H. F.—The Pselaphidæ of North America. <Bul. Lab. Nat. Hist. Univ. Iowa, i, pp. 216–304; ii, pp. 1–84, pls. 7, 1890.

CASEY, T. L.—Pselaphidæ. Coleopterological notices, vii. <Ann. N. Y. Acad. Sci., iv, pp. 550–630, 1897.

Synoptic tables as follows: Genera allied to Trimium (pp. 556–558); Melba (p. 566); Arianops (p. 582); Reichenbachia (pp. 586–610); Nysaxis (pp. 610–611); Bythinus (pp. 614–615); Pilopius (pp. 617–625); Cedius (pp. 625–626); Tyrus (pp. 627–630).

———Remarks on some new Pselaphidæ. <Can. Ent., 1908, pp. 257–281.

Table of Rhexius, Oropus, Leptoplectus, and Batrisodes.

RAFFRAY, A.—Essai monographique sur la tribu des Faronini. <Rev. d'Ent., 1893, pp. 1–53, 157–196.

———Genera et catalogue des Psélaphides. Ent. Soc. France, pp. 621, pls. 3, figs. 124.

———Fam. Pselaphidæ. <Gen. Ins., Fasc. 64, pp. 488, pls. 9, 1908.

STAPHYLINIDÆ.

HORN, G. H.—Synopsis of the genera and species of the Staphylinid tribe Tachyporini of the United States. <Trans. Amer. Ent. Soc., vi, pp. 81–128, pl. 1, 1877.

LE CONTE, J. L.—On certain genera of Staphylinidæ, Oxytelini, Piestidæ, and Micropeplidæ, as represented in the fauna of the United States. <Trans. Amer. Ent. Soc., vi, pp. 213–252, 1877.

FAUVEL, A.—Staphylinides de l'Amérique du Nord. Partie I. <Notices entomologiques, No. 7, 1878.

Treats the Micropeplidæ, Piestini, Phléoharini, Protinini, Homalini, and Oxytelini (incomplete).

CASEY, T. L.—[See work cited under Corylophidæ.]

Table of group of Homœusa.

- HORN, G. H.—Synopsis of the Quediini of the United States. <Trans. Amer. Ent. Soc., vii, pp. 149–167, 1879.
- Synopsis of the species of Staphylinus and the more closely allied genera inhabiting the United States. <Trans. Amer. Ent. Soc., vii, pp. 185–200, 1879.
- LE CONTE, J. L.—Short studies of North American Coleoptera. <Trans. Amer. Ent. Soc., viii, 1880.
- Tabulates the following genera: Leptacinus (p. 168), Leptalinus (p. 171), Xantholinus (p. 171), Lathrobium (p. 174), Liparocephalus (p. 177), Stilicis (p. 178), Sunius (p. 179).
- CASEY, T. L.—Revision of the Stenini of America, north of Mexico. Separate publication; Philadelphia, 1884.
- HORN, G. H.—A study of Cryptobium of North America. <Trans. Amer. Ent. Soc., xii, pp. 85–106, pls. 1–2, 1885.
- Synopsis of the Philonthi of Boreal America. <Trans. Amer. Ent. Soc., xi, pp. 177–244, 1884.
- CASEY, T. L.—A preliminary monograph of the North American species of Trogophlœus. <Ann. N. Y. Acad. Sci., iv, pp. 322–383, 1889.
- Staphylinidæ. <Ann. N. Y. Acad. Sci., vii, 1893.
- Describes numerous new genera of the subfamily Aleocharinæ, with synoptic tables of many genera. (See Henshaw's Third Supplement.)
- ERICHSON, G. F.—Genera et species Staphylinorum. Berlin, 1840, pp. 954, pls. 5.
- FENYES, A.—A preliminary, systematic arrangement of the Aleocharinæ (Coleoptera) of the United States and Canada. <Ent. News, 1908, pp. 56–65.
- CASEY, T. L.—A revision of the American Pæderini. <Trans. Acad. Sci. St. Louis, xv, pp. 17–248, 1905.
- Observations on the Staphylinid groups Aleocharinæ and Xantholinini, chiefly of America. <Trans. Acad. Sci. St. Louis, xvi, pp. 125–434, 1906.

TRICHOPTERYGIDÆ.

- MATTHEWS, A.—Trichopterygia illustrata et descripta. London, 1872, pp. 188, pls. 31.
- A monograph of the Trichopterygidæ of the whole world.
- Synopsis of North American Trichopterygidæ. <Trans. Amer. Ent. Soc., xi, pp. 113–156, 1884.

SCAPHIDIIDÆ.

LE CONTE, J. L.—Synopsis of the Scaphidiidæ of the United States.
 <Proc. Acad. Nat. Sci. Phila., 1860, pp. 321–324.

CASEY, T. L.—Coleopterological notices. V. <Ann. N. Y. Acad.
 Sci., vii, pp. 281–606, 1893.

Synopsis of the Scaphidiidæ.

——— [See work cited under Corylophidæ.]

Table of species of Scaphidium, Cyparium, Bæocera, and Scaphiomierus.

PHALACRIDÆ.

LE CONTE, J. L.—Synopsis of the Phalacridæ of the United States.
 <Proc. Acad. Nat. Sci. Phila., viii, pp. 15–17, 1856.

CASEY, T. L.—Coleopterological notices. I. <Ann. N. Y. Acad.
 Sci., v, pp. 39–185, 1891.

Contains a synopsis of the Phalacridæ.

CORYLOPHIDÆ.

LE CONTE, J. L.—Remarks upon the Coccinellidæ of the United
 States. <Proc. Acad. Nat. Sci. Phila., vi, pp. 129–145, 1852.

The Corylophidæ are treated on pp. 141–145.

CASEY, T. L.—Review of the American Corylophidæ, Cryptophagidæ,
 Tritomidæ, and Dermestidæ, with other studies. <Journ. N. Y.
 Ent. Soc., 1900, pp. 51–172.

COCCINELLIDÆ.

MULSANT, E.—Spécies des Coléoptères trimères sécuripalpes. Lyon,
 1851. 2 vols.; 1 vol. supplement. Paris, 1853.

A monograph of the Coccinellidæ of the whole world.

——— Monographie des Coccinellides, 1^{re} Partie. Coccinelliens.
 Paris, 1866, pp. 292.

LE CONTE, J. L.—Remarks upon the Coccinellidæ of the United
 States. <Proc. Acad. Nat. Sci. Phila., vi, pp. 129–141, 1852.

CROTCH, G. R.—Revision of the Coccinellidæ of the United States.
 <Trans. Amer. Ent. Soc., iv, pp. 363–382, 1873.

——— Revision of the Coccinellidæ. Ed. by R. Rippon. London,
 1874.

Treats of the Coccinellidæ of the whole world.

CASEY, T. L.—A revision of the American Coccinellidæ. <Journ.
 N. Y. Ent. Soc., 1899, pp. 71–163.

HORN, G. H.—Studies in Coccinellidæ. <Trans. Amer. Ent. Soc., xxii, pp. 81–114, 1895.

Synopsis of *Scymnus* and some other genera.

LENG, C. W.—Notes on Coccinellidæ. <Journ. N. Y. Ent. Soc., 1903, pp. 35–45, pl. 1; 1903, pp. 193–213, pls. 2; 1908, pp. 33–44, pl. 1.

EROTYLIDÆ.

LACORDAIRE, J. T.—Monographie de la famille des Erotyliens. Paris, 1842, pp. 543.

LE CONTE, J. L.—Synopsis of the Erotylidæ of the United States. <Proc. Acad. Nat. Sci. Phila., vii, pp. 158–163, 1854.

CROTCH, G. R.—Synopsis of the Erotylidæ of Boreal America. <Trans. Amer. Ent. Soc., iv, pp. 349–358, 1873.

——— Revision of the family Erotylidæ. <Cistula Ent., i, pp. 377–572. London [1876].

Treats of the Erotylidæ of the whole world.

KUHNT, P.—Fam. Erotylidæ, subfam. Erotylinae. <Gen. Ins., Fasc. 88, pp. 139, pls. 4, 1909.

FOWLER, W. W.—Fam. Erotylidæ, subfam. Languriinae. <Gen. Ins., Fasc. 78, pp. 45, pls. 3, 1909.

SCHLEFFER, C.—[See paper under Chrysomelidæ.]

Table of Languria.

ENDOMYCHIDÆ.

LE CONTE, J. L.—Synopsis of the Endomychidæ of the United States. <Proc. Acad. Nat. Sci. Phila., vi, 1853, pp. 357–360.

GERSTAECKER, A.—Monographie der Endomychiden. Leipzig, 1858, pp. 433.

Treats of the Endomychidæ of the whole world.

GORHAM, H. S.—Endomycei recitati. London, 1873, pp. 64.

CROTCH, G. R.—Synopsis of the Endomychidæ of the United States. <Trans. Amer. Ent. Soc., iv, pp. 359–363, 1873.

CSIKI, E.—Catalogus Endomychidarum. <Termes. Füzetek., xxiv, pp. 53, 1901.

COLYDIIDÆ.

HORN, G. H.—[Revision of the Bostrychidæ and] Synopsis of the Colydiidæ of the United States. <Proc. Amer. Phil. Soc., xvii, pp. 555–592, 1878.

SCHÆFFER, CHAS.—A few new Coleoptera of the genus *Bitoma*, with notes on other *Colydiidæ*. <Proc. Ent. Soc. Wash., viii, pp. 136–141, 1906.

Table of *Bitoma*.

RHYSSODIDÆ.

LE CONTE, J. L.—Notes on the *Rhyssodidæ* of the United States. <Trans. Amer. Ent. Soc., v, pp. 162–168, 1875.

GROUVELLE, A.—Synopsis des *Rhyssodides*. <Rev. d'Ent., 1903, pp. 85–147.

CUCUJIDÆ.

LE CONTE, J. L.—Synopsis of the *Cucujides* of the United States. <Proc. Acad. Nat. Sci. Phila., vii, pp. 73–79, 1854.

CASEY, T. L.—Revision of the *Cucujidæ* of America, north of Mexico. <Trans. Amer. Ent. Soc., xi, pp. 69–112, pls. iv–viii, 1884.

CRYPTOPHAGIDÆ.

CASEY, T. L.—[See work cited under *Corylophidæ*.]

A synopsis of the family.

HORN, G. H.—[See work under “Local Lists.”]

Table of *Tomarus*.

MYCETOPHAGIDÆ.

LE CONTE, J. L.—Synopsis of the *Mycetophagidæ* of the United States. <Proc. Acad. Nat. Sci. Phila., viii, pp. 12–15, 1856.

HORN, G. H.—[Synoptic tables of *Mycetophagus*, *Triphyllus*, and *Litargus*.] <Proc. Amer. Phil. Soc., xvii, pp. 603–608, 1878.

CASEY, T. L.—[See work cited under *Corylophidæ*.]

A synopsis of *Mycetophagidæ* (*Tritomidæ*).

DERMESTIDÆ.

LE CONTE, J. L.—Synopsis of the *Dermestidæ* of the United States. <Proc. Acad. Nat. Sci. Phila., vii, pp. 106–113, 1854.

JAYNE, H. F.—Revision of the *Dermestidæ* of the United States. <Proc. Amer. Phil. Soc., xx, pp. 343–377, pls. 1–4, 1882.

CASEY, T. L.—[See work cited under *Corylophidæ*.]

A synopsis of this family.

HISTERIDÆ.

LE CONTE, J. L.—A monograph of the North American *Histeroides*. <Boston Journ. Nat. Hist., v, pp. 32–66, plates, 1845.

LE CONTE, J. L.—Synopsis of the species of the Histeroid genus *Abraeus* Leach, inhabiting the United States, with descriptions of two nearly allied genera. <Proc. Acad. Nat. Sci. Phila., vi, pp. 287–292, 1853.

DE MARSEUL, S. E.—Essai monographique sur la famille des Histerides. 2 vols. and supplement. Paris, 1853–1861, 38 pls. <Ann. Soc. Ent. France.

A monograph of the Histeridæ of the whole world.

HORN, G. H.—Synopsis of the Histeridæ of the United States. <Proc. Amer. Phil. Soc., xiii, pp. 273–360, plate, 1873.

CASEY, T. L.—Histeridæ. <Ann. N. Y. Acad. Sci., vii, 1893.

Gives synoptic tables or partial tables of various genera, enumerated in Henshaw's Third Supplement.

LEWIS, G.—A systematic catalogue of Histeridæ. London, 1905, pp. 81.

SCHLEFFER, CHAS.—Notes on Histeridæ. <Ent. News, 1907, pp. 301–306.

Table of Hololepta.

NITIDULIDÆ.

HORN, G. H.—Revision of the Nitidulidæ of the United States. <Trans. Amer. Ent. Soc., vii, pp. 267–336, 1879.

MURRAY, A.—Monograph of Nitidulidæ. <Trans. Linn. Soc. Lond., xxiv, pp. 211–414, 1864.

Only the first part has been published.

MONOTOMIDÆ.

HORN, G. H.—Synopsis of the Monotomidæ of the United States. <Trans. Amer. Ent. Soc., vii, pp. 257–267, 1879.

TROGOSITIDÆ.

LÉVEILLÉ, A.—Catalogus Temnochilidum (seu Trogositidum) inter annos 1758–1900 editorum. <Ann. Soc. Ent. France, 1900, pp. 1–26.

HORN, G. H.—Monograph of the species of Trogosita inhabiting the United States. <Proc. Acad. Nat. Sci. Phila., 1862 (1863), pp. 82–88.

LATHRIDIIDÆ.

VON MANNERHEIM, C. G.—Versuch einer monographischen Darstellung der Käfergattungen Corticaria und Lathridius. <German's Zeitschr. f. Ent., v, pp. 1–112, 1845.

LE CONTE, J. L.—Synopsis of the Lathridiides of the United States and northern contiguous territories. <Proc. Acad. Nat. Sci. Phila., vii, pp. 299–305, 1855.

FALL, H. C.—Revision of the Lathridiidae of Boreal America. <Trans. Amer. Ent. Soc., xxv, pp. 101–190, pls. 3, 1899.

BELON, O. P.—Essai de classification générale des Lathridiidae, avec le catalogue systématique et alphabétique de toutes les espèces du Globe. <Rev. d'Ent., 1897, pp. 105–221.

BELON, M. J.—Fam. Lathridiidae. <Gen. Ins., Fasc. 3, pp. 40, pl. 1, 1902.

BYRRHIDÆ.

LE CONTE, J. L.—Synopsis of the Byrrhidae of the United States. <Proc. Acad. Nat. Sci. Phila., vii, pp. 113–117, 1854.

WICKHAM, H. F.—The North American species of *Pedilophorus*. <Can. Ent., 1903, pp. 179–182.

DASCYLLIDÆ.

LE CONTE, J. L.—Synopsis of the Atopidae, Rhipiceridae, and Cyphonidae of the United States. <Proc. Acad. Nat. Sci. Phila., vi, pp. 350–357, 1853.

HORN, G. H.—Synopsis of the Dascyllidae of the United States. <Trans. Amer. Ent. Soc., viii, pp. 76–114, plate, 1880.

RHIPICERIDÆ.

LE CONTE, J. L.—[See paper under Dascyllidae.]

HORN, G. H.—Notes on Elateridae. Cebrionidae. Rhipiceridae, and Dascyllidae. <Trans. Amer. Ent. Soc., ix, pp. 85–86, 1881.

PARNIDÆ.

LE CONTE, J. L.—Synopsis of the Parnidae of the United States. <Proc. Acad. Nat. Sci. Phila., vi, pp. 41–45, 1852.

HORN, G. H.—Synopsis of the Parnidae of the United States. <Trans. Amer. Ent. Soc., iii, pp. 29–42, 1870.

HETEROCERIDÆ.

HORN, G. H.—The species of *Heterocerus* of Boreal America. <Trans. Amer. Ent. Soc., xvii, pp. 1–17, 1890.

ELATERIDÆ.

- LE CONTE, J. L.—Revision of the Elateridæ of the United States.
 <Trans. Amer. Phil. Soc., x, pp. 405–508, 1853.
- DE CANDÈZE, E.—Monographie des Élatérides. 4 vols. and 3 supplements. Liège, 1857–1881.
- DE BONVOULOIR, H.—Monographie de la famille des Eucnémides.
 <Ann. Soc. Ent. France, 4 ser., T. 10, part supplémentaire.
 Paris, 1871–1875, pp. 907, pls. 42.
- HORN, G. H.—Notes on Elateridæ, Cebrionidæ, Rhipiceridæ, and
 Dasyllidæ. <Trans. Amer. Ent. Soc., ix, pp. 76–90, Pls. i, ii,
 1881.
 Tabulates Aplastus (p. 77) ; Plastocerus (p. 78) ; Euthysanius (p. 79) ;
 and the subfamily Cebrioninæ (p. 82).
- LE CONTE, J. L.—Short studies of North American Coleoptera (No.
 2). <Trans. Amer. Ent. Soc., xii, pp. 1–32, 1884.
 Tabulates Drasterius (p. 4) ; Megapenthes (p. 6) ; Elater (p. 8) ;
 Agriotes (p. 15).
- HORN, G. H.—A study of some genera of Elateridæ. <Trans. Amer.
 Ent. Soc., xii, pp. 33–52, 1884.
 Tabulates Horistonotus (p. 34) ; Esthesopus (p. 41) ; Ludius (p. 45) ;
 Eniconyx (p. 51).
- A monograph of the species of the subfamilies Eucneminae,
 Cerophytinae, and Perothopinae, inhabiting the United States.
 <Trans. Amer. Ent. Soc., xiii, pp. 5–58, 1886.
- A monograph of the species of Cryptohypnus of Boreal
 America. <Trans. Amer. Ent. Soc., xviii, pp. 1–29, 1891.
- BLANCHARD, F.—Revision of the species of Cardiophorus Esch. of
 America, north of Mexico. <Trans. Amer. Ent. Soc., xvi, pp.
 1–27, 1889.
- SCHWARZ, O.—Fam. Elateridæ. <Gen. Ins., Fasc. 46, pp. 370, pls. 6,
 1907.
- FALL, H. C.—A new Chalcolepidius. <Ent. News, 1898, pp. 238–
 239.
- CASEY, T. L.—[See paper under Tenebrionidæ.]
 Table of Chalcolepidius.

THROSCIDÆ.

- DE BONVOULOIR, H.—Essai monographique sur la famille des Thros-
 cides. Paris, 1859–1860; with supplement, pp. 144, pls. 5.
- HORN, G. H.—Synopsis of the Throscidæ of the United States.
 <Trans. Amer. Ent. Soc., xii, pp. 198–208, 1885.

BUPRESTIDÆ.

CASTELNAU DE LAPORTE, F. L., et GORY, H.—Monographie des Buprestides. <Hist. Nat. Icon. Coléoptères, Paris, 1835.

LE CONTE, J. L.—Revision of the Buprestidæ of the United States. <Trans. Amer. Phil. Soc., XI, pp. 187–258, 1859.

CROTCH, G. R.—Notes on the species of Buprestidæ found in the United States. <Proc. Acad. Nat. Sci. Phila., 1873, pp. 84–96.

HORN, G. H.—Revision of some genera of Buprestidæ. <Trans. Amer. Ent. Soc., x, pp. 101–112, 1882.

Revises the group Anthaxiæ.

——— A monograph of the species of Chrysobothris inhabiting the United States. <Trans. Amer. Ent. Soc., XIII, pp. 65–123, Pls. II–VII, 1886.

FALL, H. C.—Synopsis of the species of Acmaeodera of America, north of Mexico. <Journ. N. Y. Ent. Soc., 1899, pp. 1–37.

HORN, G. H.—The species of Agrilus of Boreal America. <Trans. Amer. Ent. Soc., XVIII, pp. 277–336, 1891.

KERREMANS, CH.—Monographie des Buprestides. Bruxelles, 1906–1909, I, pp. 536, pls. 10; II, pp. 623, pls. 6; III, pp. 602, pls. 6.

Complete in 5 vols.

——— Fam. Buprestidæ. <Gen. Ins., Fasc. 12, pp. 338, pls. 4, 1903.

SCHLEFFER, C.—[See paper under Chrysomelidæ.]

Table of Actenodes.

CASEY, T. L.—Studies in the American Buprestidæ. <Proc. Wash. Acad. Sci., XI, pp. 47–178, 1909.

Synopses of Hippomelas, Gyascutus, Psiloptera, Chalcophora, Buprestis, and Dicerca.

SKINNER, H.—Notes on Buprestidæ, with descriptions of new species. <Ent. News, 1903, pp. 236–239.

Table of Tyndaris.

LAMPYRIDÆ.

LE CONTE, J. L.—Synopsis of the Lampyrides of Temperate North America. <Proc. Acad. Nat. Sci. Phila., v, pp. 331–347, 1851.

——— Synopsis of the Lampyridæ of the United States. <Trans. Amer. Ent. Soc., ix, pp. 15–72, 1881.

OLIVIER, E.—Lampyridæ. <Gen. Ins., Fasc. 53, pp. 74, pls. 3, 1907.

——— Études sur les Lampyrides. <Ann. Soc. Ent. France, 1886, pp. 201–216.

Table of Photuris.

MALACHIDÆ.

- LE CONTE, J. L.—Catalogue of the Melyridæ of the United States, with descriptions of new species. <Proc. Acad. Nat. Sci. Phila., vi, pp. 163–171, 1852.
- Revision of the Dasytini of the United States. <Proc. Acad. Nat. Sci. Phila., 1866, pp. 349–361.
- HORN, G. H.—Synopsis of the Malachidæ of the United States. <Trans. Amer. Ent. Soc., iv, pp. 109–127, 1872.
- CASEY, T. L.—[Synopsis of the] Melyridæ. <Ann. N. Y. Acad. Sci., viii, pp. 456–606, 1895.

CLERIDÆ.

- SPINOLA, M.—Essai monographique sur les Clérîtes, insectes Coléoptères. Geneva, 1844, pls. 47; I, pp. 386; II, pp. 226.
- LE CONTE, J. L.—Synopsis of the Coleopterous insects of the group Cleridæ which inhabit the United States. <Ann. Lyc. Nat. Hist. New York, v, pp. 9–35, 1849.
- HORN, G. H.—Synopsis of the species of Cymatodera and Trichodes of the United States. <Trans. Amer. Ent. Soc., v, pp. 220–232, 1876.
- WOLCOTT, A. B.—North American species of Chariessa (Coleoptera). <Ent. News, 1908, pp. 70–72.
- LOHDE, R.—Cleridarum Catalogus. <Stett. Ent. Zeit., 1900, pp. 3–148.
- SCHENKLING, S.—Fam. Cleridæ. <Gen. Ins., Fasc. 13, pp. 121, pls. 5, 1903.

PTINIDÆ.

- BOILDIEU, A.—Monographie de la tribu des Ptiniôres. <Ann. Soc. Ent. France, 1856, pp. 285–315.
- A monograph of the subfamily Ptiniinæ.
- LE CONTE, J. L.—Prodromus of a monograph of the species of the tribe Anobiini, of the family Ptinidæ, inhabiting North America. <Proc. Acad. Nat. Sci. Phila., 1865, pp. 222–244.
- HORN, G. H.—Revision of the Bostrichidæ of the United States. <Proc. Amer. Phil. Soc., xvii, pp. 540–555, 1878.
- CASEY, T. L.—Studies in Ptinidæ, Cioidæ, and Sphindidæ. <Journ. N. Y. Ent. Soc., 1898, pp. 61–65.
- Contains table of North American genera of Bostrichini, with synoptic tables of species, pp. 65–76.

HORN, G. H.—[See article under "Local Lists."]

Table of Trichodesmus.

FALL, H. C.—Revision of the Ptinidæ of Boreal America. <Trans. Amer. Ent. Soc., xxxi, pp. 97–296, 1905.

LESNE, P.—Revision des Coléoptères de la famille des Bostrichidæ. <Ann. Soc. Ent. France, I, 1896, pp. 95–127; II, 1897, pp. 319–350; III, 1898, pp. 438–621; IV, 1900, pp. 473–639.

CIOIDÆ.

MELLIÉ, J.—Monographie de l'ancien genre *Cis* des auteurs. <Ann. Soc. Ent. France, 1848, pp. 205–274, 313–396, pls. 4.

CASEY, T. L.—[See work just cited under Ptinidæ.]

Contains a synopsis of the North American Cioidæ and Sphindidæ. pp. 76–93.

CUPESIDÆ.

LE CONTE, J. L.—On the Cupesidæ of North America. <Trans. Amer. Ent. Soc., v, pp. 87–88, 1874.

LUCANIDÆ.

FUCHS, C.—Synopsis of the Lucanidæ of the United States. <Bul. Brooklyn Ent. Soc., v, pp. 49–52, 57–60, pl. 1, 1882.

VAN ROON, G.—Naamlijst der Lucaniden. <Tijds. voor Ent., 1905, pp. 83–180.

KUWERT, A.—Die Passaliden dichotomisch bearbeitet. <Nov. Zool., III, pp. 209–230, 1896; iv, pp. 274–306, 1897; v, pp. 137–205, 259–349, 1898.

WYTSMAN, M. P.—Catalogue systématique des Passalides. <Ann. Mus. Genova, (2) I, pp. 326–348, 1884.

SCARABÆIDÆ.

BURMEISTER, H.—Handbuch der Entomologie. III, Coleoptera Lamellicornia Melitophila. Berlin, 1842.

LE CONTE, J. L.—Notice of three genera of Scarabæidæ found in the United States. <Proc. Acad. Nat. Sci. Phila., VIII, pp. 19–25, 1856.

Treats of *Ligyris*, *Aphonus*, and *Polymæchus*.

———Synopsis of the Melolonthidæ of the United States. <Journ. Acad. Nat. Sci. Phila., ser. 2, III, pp. 225–288, 1856.

HORN, G. H.—Notes on some genera of Coprophagous Scarabæidæ of the United States. <Trans. Amer. Ent. Soc., III, pp. 42–51, 1870.

Tabulates *Copris* (p. 42); *Canthon* (p. 44); *Amechanus* (*Bradyeinetus*) (p. 48); *Bolboceras* (p. 49); *Odontæus* (p. 50).

- HORN, G. H.—Description of the species of *Aphodius* and *Dialytes* of the United States. <Trans. Amer. Ent. Soc., III, pp. 110–134, 1870.
- Synopsis of *Aphodiini* of the United States. <Trans. Amer. Ent. Soc., III, pp. 284–297, 1871.
- Continuation of the foregoing paper.
- Descriptions of new *Coleoptera* of the United States, with notes on known species. <Trans. Amer. Ent. Soc., III, 1870–1871.
- Tabulates *Cyclocephala* (p. 334); *Catalpa* (p. 337); *Cremastochilus* (p. 339).
- Synonymical notes and descriptions of new species of North American *Coleoptera*. <Trans. Amer. Ent. Soc., V, pp. 126–156, 1875.
- Tabulates *Onthophagus* (p. 137); *Ligyris* (p. 143); *Strategus* (p. 143).
- Revision of the United States species of *Ochodæus* and other genera of *Scarabæidæ*. <Trans. Amer. Ent. Soc., V, pp. 177–197, 1876.
- Tabulates *Ochodæus* (p. 177); *Macrodaetylus* (p. 183); *Dichelonycha* (p. 185); *Cænonycha* (p. 192); *Trichius* (p. 194).
- Contributions to the *Coleopterology* of the United States, No. 3. <Trans. Amer. Ent. Soc., VIII, pp. 139–154, 1880.
- Tabulates *Geotrupes* (p. 144); *Phileurus* (p. 147), and describes the species of *Plectrodes* (p. 145).
- BLANCHARD, F.—On the species of *Canthon* and *Phanaeus* of the United States, with notes on other genera. <Trans. Amer. Ent. Soc., XII, pp. 163–172, 1885.
- HORN, G. H.—A monograph of the *Aphodiini* inhabiting the United States. <Trans. Amer. Ent. Soc., XIV, pp. 1–110, 1887.
- Supersedes the two papers cited above.
- Revision of the species of *Lachnosterna* of America north of Mexico. <Trans. Amer. Ent. Soc., XIV, pp. 209–296, Pl. III, 1887.
- Notes on the species of *Anomala* inhabiting the United States. <Trans. Amer. Ent. Soc., XI, pp. 157–164, 1884.
- SMITH, J. B.—Notes on the species of *Lachnosterna* of temperate North America, with description of new species. <Proc. U. S. Nat. Mus., XI, pp. 481–525, pls. 48–60, 1888.
- HORN, G. H.—Synopsis of the *Euphorie* of the United States. <Proc. Amer. Phil. Soc., XVIII, pp. 397–408, Pl. IV, 1879.
- A monographic revision of the species of *Cremastochilus* of the United States. <Proc. Amer. Phil. Soc., XVIII, pp. 382–397, Pl. IV, 1879.

HORN, G. H.—[See article under "Local Lists."]

Table of *Chnaunanthus*.

BOUCOMONT, A.—Fam. Geotrupidæ. <Gen. Ins., Fasc. 7, pp. 20, pl. 1, 1902.

BLANCHARD, F.—Some account of our species of *Geotrupes*. <Psyche, v, pp. 103–110, 1888.

FALL, H. C.—The North American species of *Glaresis*. <Psyche, 1907, pp. 23–26.

——— A short synopsis of the species of *Ochodæus* inhabiting the United States. <Journ. N. Y. Ent. Soc., 1909, pp. 30–38.

——— Revision of the species of *Diplotaxis* of the United States. <Trans. Amer. Ent. Soc., xxxv, pp. 1–97, pl. 1, 1909.

——— Notes on *Dichelonycha* and *Cantharis*, with descriptions of new species in other genera. <Trans. Amer. Ent. Soc., xxvii, pp. 277–310, 1901.

Tables of *Dichelonycha*, *Cantharis*, and *Scythropus*.

HORN, G. H.—*Pleocoma* Lec., its systematic position and indication of new species. <Ent. Amer., iii, pp. 233–235, 1888.

SCHLEFFER, CHAS.—On *Bradycinetus* and *Bolboceras* of North America, with notes on other *Scarabæidæ*. <Trans. Amer. Ent. Soc., xxxii, pp. 249–260, 1906.

——— New *Scarabæidæ*. <Journ. N. Y. Ent. Soc., 1907, pp. 60–75.

Table of *Anomala* and *Strigoderma*.

WICKHAM, H. F.—The North American species of *Cotalpa*. <Journ. N. Y. Ent. Soc., 1905, pp. 1–4.

CERAMBYCIDÆ.

HALDEMAN, S. S.—Materials toward a history of the Coleoptera Longicornia of the United States. <Trans. Amer. Phil. Soc., x, pp. 27–67; and Proc. Amer. Phil. Soc., iv, pp. 371–376, 1847.

LE CONTE, J. L.—An attempt to classify the Longicorn Coleoptera of the part of America north of Mexico. <Journ. Acad. Nat. Sci. Phila., i, pp. 311–340, 1850; ii, pp. 5–38, 99–112, 139–178, 1852.

——— Note on the classification of the *Cerambycidæ*, with descriptions of new species. <Proc. Acad. Nat. Sci. Phila., 1862, pp. 38–42.

——— New species of North American Coleoptera. Prepared for the Smithsonian Institution. Pt. II. <Smithsonian Miscellaneous Collections, xi, 1874.

Tabulates the following genera: *Criocephalus* (p. 169); *Eburia* (p. 179); *Elaphidion* (p. 181); *Aneflus* (p. 185); *Crossidius* (p. 196); *Acmaeops* (p. 208); *Strangalia* (p. 212); *Typocerus* (p. 213); *Lectura* (p. 215); *Monilema* (p. 229); *Monohammus* (p. 231); *Pogonocherus* (p. 237); *Saperda* (p. 238).

HORN, G. H.—Notes on some genera of Cerambycidae of the United States. <Trans. Amer. Ent. Soc., vii, pp. 41–50, 1878.

Gives tables of *Pogonocherus* (p. 42) ; *Mecas* (p. 44) ; *Oberea* (p. 45) ; *Tetraopes* (p. 48) ; *Tetrops* (p. 50).

——— Notes on some genera of Cerambycidae, with descriptions of new species. <Trans. Amer. Ent. Soc., viii, pp. 115–133, 1880.

A complete revision of the tribe Acanthoderini (p. 115) ; tables of *Ætheceus* (p. 133) ; *Cyllene* (p. 134).

LENG, C. W.—Synopsis of Coleoptera [Cerambycidae]. <Bul. Brooklyn Ent. Soc., vii, No. 1, p. 7, 1884, and in subsequent numbers; continued in *Entomologica Americana*, Vols. I–VI.

The tables are partly reproduced from those given by Le Conte or Horn, and are partly original by Horn or by Leng.

HORN, G. H.—Descriptions of some new Cerambycidae, with notes. <Trans. Amer. Ent. Soc., xii, pp. 173–197, 1885.

Tables of *Oxoplus* (p. 175) ; *Stenosphenus* (p. 177) ; *Monilema* (p. 180) ; *Monohammus* (p. 190) ; *Goes* (p. 193) ; *Dorcaschema* (p. 193) ; *Oncideres* (p. 194) ; *Eupogonius* (p. 196) ; *Dysphaga* (p. 197).

LENG, C. W., and HAMILTON, J.—The Lamiinae of North America. <Trans. Amer. Ent. Soc., xxiii, pp. 101–178, 1896.

FELT, E. P., and JOUTEL, L. H.—Monograph of the genus *Saperda*. <Bul. 74, N. Y. State Mus., pp. 86, pls. 14, 1904.

SCHLEFFER, C.—Two new *Oncideres*, with notes on some other Coleoptera. <Can. Ent., 1906, pp. 18–23.

Table of *Oncideres* and *Polycesta*.

CASEY, T. L.—New species of *Pemphus* and *Tragosoma*. <Ent. News, 1899, pp. 97–99.

Table of *Tragosoma*.

WEBB, J. L.—Description of a new species of *Desmocerus*, with a synoptic table of the genus. <Proc. Ent. Soc. Wash., vii, pp. 104–105, 1905.

SCHLEFFER, C.—Four new Cerambycidae. <Journ. N. Y. Ent. Soc., 1909, pp. 99–103.

Table of *Pogonocherus*.

CHRYSOMELIDÆ.

LACORDAIRE, J. T.—Monographie des Coléoptères subpentamères de la famille des Phytophages. 2 vols., Bruxelles, 1845.

SUFFRIAN, E.—Monographie und kritisches Verzeichniss der nord-amerikanischen Cryptocephalen. <Linnaea Ent., vi–viii, 1852–1854.

ROGERS, W. F.—Synopsis of the species of *Chrysomela* and allied genera inhabiting the United States. <Proc. Acad. Nat. Sci. Phila., viii, pp. 29–39, pl. 1, 1856.

A synopsis of the present tribe Chrysomelini.

LE CONTE, J. L.—On the species of *Galeruca* and allied genera inhabiting North America. <Proc. Acad. Nat. Sci. Phila., 1865, pp. 204–222.

A review of Galerucini genuini.

CROTCH, G. R.—Materials for the study of the Phytophaga of the United States. <Proc. Acad. Nat. Sci. Phila., 1873, pp. 19–83.

A revision of most of the North American genera of Chrysomelidæ, omitting most of the Cryptocephalini, the Galerucini genuini, and the genera *Haltica* and *Longitarsus*.

LE CONTE, J. L.—Short studies of North American Coleoptera. <Trans. Amer. Ent. Soc., viii, pp. 163–218, 1880.

Gives synoptic tables of *Monachus* (p. 195); *Diachus* (p. 196); *Triachus* (p. 197); *Bassareus* (p. 198); *Cryptocephalus* (p. 199); *Pachybrachys* (p. 204).

HORN, G. H.—Miscellaneous notes and short studies of North American Coleoptera, Chrysomelidæ, Hispini. <Trans. Amer. Ent. Soc., x, pp. 290–303, 1883.

———A synopsis of the Halticini of Boreal America. <Trans. Amer. Ent. Soc., xvi, pp. 163–320, 1889.

———The Galerucini of Boreal America. <Trans. Amer. Ent. Soc., xx, pp. 57–136, 1893.

———The Eumolpini of Boreal America. <Trans. Amer. Ent. Soc., xix, pp. 195–234, 1892.

———Studies in Chrysomelidæ. <Trans. Amer. Ent. Soc., xix, pp. 1–18, 1892.

LENG, C. W.—Revision of the Donaciæ of Boreal America. <Trans. Amer. Ent. Soc., xviii, pp. 159–176, 1891.

STÅL, C. Monographie des Chrysomelides de l'Amerique. <Act. Soc. Roy. Sci. Upsal., 1862, pp. 1–86; 1863, pp. 87–176; 1865, pp. 177–365.

LINELL, M. L.—New species of Coleoptera of the family Chrysomelidæ, with short review of the tribe Chlamydini. <Proc. U. S. Nat. Mus., xx, pp. 473–485, 1897.

———A short revision of the Chrysomelas of North America. <Journ. N. Y. Ent. Soc., 1896, pp. 195–200.

HORN, G. H.—[See article under "Local Lists."]

Tables of *Phyllecthrus* and *Phyllobrotica*.

JACOBY, M.—Fam. Sagridæ. <Gen. Ins., Fasc. 14, pp. 12, pl. 1, 1903.

JACOBY, M., et CLAVAREAU, H.—Fam. Donacidae. <Gen. Ins., Fasc. 21, pp. 14, pl. 1, 1904.

——— Fam. Crioceridae. <Gen. Ins., Fasc. 23, pp. 40, pls. 5, 1904.

——— Fam. Megalopidae. <Gen. Ins., Fasc. 33, pp. 20, pls. 2, 1905.

——— Fam. Clytridae. <Gen. Ins., Fasc. 49, pp. 87, pls. 5, 1906.

SCHLEFFER, CHAS.—New genera and species of Coleoptera. <Journ. N. Y. Ent. Soc., 1904, pp. 197–263.

Tables of Languria, Fidia, Anthribus, Myochrous, and Actenodes.

BRUCHIDÆ.

HORN, G. H.—Revision of the Bruchidae of the United States. <Trans. Amer. Ent. Soc., iv, pp. 311–342, 1873.

TENEBRIONIDÆ.

HORN, G. H.—Revision of the Tenebrionidae of America, north of Mexico. <Trans. Amer. Phil. Soc., n. ser., xiv, pp. 253–404, pls. 2, 1870.

CASEY, T. L.—Coleopterological notices. II. <Ann. N. Y. Acad. Sci., v, pp. 307–503, 1890.

Contains synopses of various groups and genera of Tenebrionidae which are enumerated in Henshaw's Third Supplement.

BLAISDELL, F. E.—A monographic revision of the Coleoptera belonging to the Tenebrionide tribe Eleodiini inhabiting the United States, Lower California, and adjacent islands. <Bul. 63, U. S. Nat. Mus., 1909, pp. 524, pls. 13.

CASEY, T. L.—A revision of the Tenebrionid subfamily Coniontinae. <Proc. Wash. Acad. Sci., x, pp. 51–166, 1908.

——— Notes on Chalcolepidius and the Zopherini. <Can. Ent., 1907, pp. 29–46.

HORN, G. H.—[See under "Local Lists."]

Tables of Trimytis and Eusattus.

CASEY, T. L.—Revision of the American components of the Tenebrionid subfamily Tentyrinae. <Proc. Wash. Acad. Sci., ix, pp. 275–522, 1907.

FALL, H. C.—Coleopterological notes, synonymical and descriptive. <Ent. News, 1907, pp. 174–177.

Table of Alæphus.

CISTELIDÆ.

CASEY, T. L.—Coleopterological notices. III. <Ann. N. Y. Acad. Sci., vi, pp. 9–214, 1892.

Contains synopses of the Cistelidæ and of the tribe Cleonini of the Curculionidæ.

HORN, G. H.—[See under "Local Lists."]

Table of *Lystronychus*.

OTHNIIDÆ.

The few species of the single genus constituting this family have been tabulated by Doctor Horn in Trans. Amer. Ent. Soc., ii, pp. 132, 133, 1868.

LAGRIIDÆ.

HORN, G. H.—Miscellaneous Coleopterous studies. <Trans. Amer. Ent. Soc., xv, pp. 26–48, 1888.

Contains on pp. 28–32 a synopsis of the family.

SCHÆFFER, CHAS.—Three new species of the genus *Statira* Latreille. <Journ. N. Y. Ent. Soc., 1905, pp. 179–181.

Table of species.

PYTHIDÆ.

Excepting the table of *Cononotus*, by Horn (Trans. Amer. Ent. Soc., ii, p. 136, 1868), and a table of *Pytho*, by the same author (ibid., xv, p. 45, 1888), we have no synoptic papers on this family.

ÆDEMERIDÆ.

LE CONTE, J. L.—Synopsis of the Ædemeridæ of the United States. <Proc. Acad. Nat. Sci. Phila., vii, pp. 20–22, 1854.

HORN, G. H.—The Ædemeridæ of Boreal America. <Proc. Cal. Acad. Sci., vi, pp. 382–421, 1896.

CEPHALOIDÆ.

The few species composing this family are tabulated by Le Conte in E. P. Austin's catalogue of the Coleoptera of Mount Washington, N. H. <Proc. Boston Soc. Nat. Hist., xvi, pp. 265–276, 1874.

HORN, G. H.—[See under "Local Lists."]

Table of *Cephaloon*.

CASEY, T. L.—Studies in Cephaloidæ. <Ent. News, 1898, pp. 193–195.

Table of genera and table of *Sponidium*.

MORDELLIDÆ.

LE CONTE, J. L.—Synopsis of the Mordellidæ of the United States. <Proc. Acad. Nat. Sci. Phila., 1862, pp. 43–51.

SMITH, J. B.—A synopsis of the Mordellidæ of the United States. <Trans. Amer. Ent. Soc., x, pp. 73–100, Pls. I–III, 1882.

RHIPIPHORIDÆ.

LE CONTE, J. L.—Note on the species of *Myodites* Latr., inhabiting the United States. <Proc. Acad. Nat. Sci. Phila., 1865, pp. 96–98. See also "Short studies of North American Coleoptera." <Trans. Amer. Ent. Soc., viii, p. 210, 1880.

HORN, G. H.—Notes on the species of *Rhipiphorus* of the United States. <Trans. Amer. Ent. Soc., v, pp. 121–125, 1875.

MONOMMIDÆ.

THOMSON, J.—Monographie de la famille des Monommides. <Ann. Soc. Ent. France, 1860, pp. 5–38.

A monograph of the family of the whole world. The few (four) species hitherto found in North America are tabulated by Horn in Trans. Amer. Ent. Soc., iv, p. 150, 1872.

MELANDRYIDÆ.

A table of *Hallomenus*, by Le Conte (Proc. Amer. Phil. Soc., xvii, p. 619, 1878).

HORN, G. H.—Notes on the Mycteridæ and other Heteromera. <Trans. Amer. Ent. Soc., vii, pp. 336–339, 1879.

Tabulates *Mycterus* and *Laeconotus*.

———Miscellaneous Coleopterous studies. <Trans. Amer. Ent. Soc., xv, pp. 26–48, 1888.

Contains on pp. 32–44 a revised table of the tribes of Melandryidæ and tables of the genera *Eustrophus*, *Holostrophus*, *Orchesia*, and *Hypulus*.

CASEY, T. L.—[See work cited under *Corylophidæ*.]

Contains table of tribe *Tetratomini*.

ANTHICIDÆ.

DE LA FERTÉ-SÉNECTÈRE, F.—Monographie des Anthicus et genres voisins. Coléoptères hétéromères de la tribus des Trachélides. Paris, 1848, pp. 340, pls. 16.

LE CONTE, J. L.—Synopsis of the Anthicites of the United States. <Proc. Acad. Nat. Sci. Phila., vi, pp. 91–104, 1852.

———Synopsis of the Pyrochroidæ of the United States. <Proc. Acad. Nat. Sci. Phila., vii, pp. 270–275, 1855.

The tribes *Pedilini*, *Xylophilini*, and *Macratrini*, formerly attached to the Pyrochroidæ, are here treated.

HORN, G. H.—Synopsis of the species of *Corphyra* Say, of the United States. <Trans. Amer. Ent. Soc., III, pp. 278–283, 1871.

For subsequent tables by Doctor Horn of the same genus see Trans. Amer. Ent. Soc., v, p. 40, 1874, and *ibid.*, x, pp. 305–310, 1883.

CASEY, T. L.—Coleopterological notices. VI. <Ann. N. Y. Acad. Sci., VIII, pp. 435–838, 1895.

Synopsis of the Anthicidæ.

HORN, G. H.—Synopsis of the United States species of *Notoxus* and *Mecynotarsus*. <Trans. Amer. Ent. Soc., XI, pp. 165–176, 1884.

PIC, M.—Fam. Hylophylidæ. <Gen. Ins., Fasc. 8, pp. 14, pl. 1, 1902.

WICKHAM, H. F.—A review of the species of *Tanarthropsis* Casey. <Trans. Amer. Ent. Soc., XXXII, pp. 165–172, 1906.

PYROCHROIDÆ.

LE CONTE, J. L.—Synopsis of the Pyrochroidæ of the United States. <Proc. Acad. Nat. Sci. Phila., VII, pp. 270–275, 1855.

HORN, G. H.—Miscellaneous Coleopterous studies. <Trans. Amer. Ent. Soc., xv, 1888.

Contains, on p. 47, a table of *Dendroides*.

MELOIDÆ.

LE CONTE, J. L.—Synopsis of the Meloides of the United States. <Proc. Acad. Nat. Sci. Phila., VI, pp. 328–350, 1853.

HORN, G. H.—Revision of the species of several genera of Meloidæ of the United States. <Proc. Amer. Phil. Soc., XIII, pp. 88–117, 1873.

Gives tables of *Macrobasis* (p. 88); *Epicauta* (p. 95); *Cantharis* (p. 103); *Pomphopœa* (p. 115).

———Studies among the Meloidæ. <Trans. Amer. Ent. Soc., XII, pp. 107–116, Pl. v, 1885.

Contains synoptic tables of *Macrobasis* and *Tetraonyx* and synopsis of *Pyrota*.

FALL, H. C.—[See paper under Scarabæidæ.]

Table of *Cantharis*.

WELLMAN, F. C.—A revision of the genus *Calospasta* Le Conte. <Ent. News, 1909, pp. 19–25.

RHYNCHOPHORA.

SCHÆNHERR, C. J.—Genera et species *Curculionidum* cum synonymia hujus familiæ . . . 8 vols., Paris, 1833–1834.

An additional volume, *Mantissa secunda* familiæ *Curculionidum*, appeared in 1847.

A monograph of the Rhynchophora (including the Bruchidæ) of the whole world. Now antiquated.

HORN, G. H.—Contributions to a knowledge of the Curculionidæ of the United States. <Proc. Amer. Phil. Soc., xiii, pp. 407–469, 1873.

A revision of the Calandridæ and synopses of *Otidocephalus* (p. 448); *Magdalis* (p. 452); *Balaninus* (p. 457); *Orchestes* (p. 461); *Rhyssematus* (p. 463); *Chalcodermus* (p. 465); *Analcis* (p. 467).

SMITH, J. B.—Synopsis of the Apioninæ of North America. <Trans. Amer. Ent. Soc., xi, pp. 41–68, pls. 3, 1884.

LE CONTE, J. L., and HORN, G. H.—The Rhynchophora of America, north of Mexico. <Proc. Amer. Phil. Soc., xv, pp. 1–455, 1876.

A monograph of the North American Rhynchophora.

BLANCHARD, F.—Table of *Balaninus* Germ. <Bul. Brooklyn Ent. Soc., vii, pp. 106–108, 1884.

DIETZ, W. G.—Revision of the genera and species of Anthonomini inhabiting North America. <Trans. Amer. Ent. Soc., xviii, pp. 177–276, 1891.

——— Revision of the genera and species of Desmori of North America. <Trans. Amer. Ent. Soc., xxi, pp. 113–178, 1894.

——— Revision of the genera and species of Ceutorhynchini inhabiting North America. <Trans. Amer. Ent. Soc., xxiii, pp. 387–480, 1896.

——— On the species of *Macrops* Kirby, inhabiting North America. <Trans. Amer. Ent. Soc., xvi, pp. 28–54, pl. 1, 1889.

FALL, H. C.—Revision of the species of *Apion* of America, north of Mexico. <Trans. Amer. Ent. Soc., xxv, pp. 105–184, 1898.

CASEY, T. L.—On some new North American Rhynchophora. <Ann. N. Y. Acad. Sci., iv, pp. 229–296, 1888.

Contains synopses of several genera which are enumerated in Henshaw's Third Supplement, and of the genus *Sitonis*.

——— Coleopterological notices. IV. <Ann. N. Y. Acad. Sci., vi, pp. 359–712, 1892.

Synopses of portions of the Rhynchophora.

——— Coleopterological notices. VI. <Ann. N. Y. Acad. Sci., viii, pp. 435–838, 1895.

Contains synoptic tables of the following genera: *Lepyrus* (pp. 821–828); *Plectromodes* (pp. 829–832); *Rhyssematus* (pp. 832–836).

——— Coleopterological notices. VII. <Ann. N. Y. Acad. Sci., ix, pp. 285–684, 1897.

Contains the following synopses: *Balaninus* (part) (pp. 655–664); tribe *Zygopini* (pp. 666–679); *Tachygonus* (pp. 679–681).

CHITTENDEN, F. H.—On the species of *Sphenophorus* related to *perlinax* Ol., with descriptions of other forms. <Proc. Ent. Soc. Wash., vii, pp. 50–64, 1905.

CHITTENDEN, F. H.—The North American species of the genus *Notaris* Germ. <Journ. N. Y. Ent. Soc., 1906, pp. 113–115.

FALL, H. C.—New species of American Coleoptera of the tribe Zygo-pini. <Trans. Amer. Ent. Soc., xxxii, pp. 53–61, 1906.

Table of part of *Copturus*.

SCHAEFFER, CHAS.—New Rhynchophora. II. <Journ. N. Y. Ent. Soc., 1907, pp. 75–80.

Table of *Otidocephalus*.

———New Rhynchophora. III. <Journ. N. Y. Ent. Soc., 1908, pp. 213–222.

Table of *Pandetejus*.

BRENTHIDÆ.

HORN, G. H.—The Brenthidæ of the United States. <Trans. Amer. Ent. Soc., iv, pp. 127–129, 1872.

VON SCHÖNFELDT, H.—Fam. Brenthidæ. <Gen. Ins., Fasc. 65, pp. 88, pls. 2, 1908.

SCOLYTIDÆ.

ZIMMERMAN, C.—Synopsis of the Scolytidæ of America, north of Mexico. With notes and an appendix by J. L. Le Conte. <Trans. Amer. Ent. Soc., ii, pp. 141–178, 1868.

CHAPUIS, F.—Synopsis des Scolytides. Liège, 1869, pp. 61.

A general classification.

EICHHOFF, W.—Ratio, descriptio, emendatio Tomicinorum. <Mém. Soc. Sci. Liège, (2) viii, pp. 1–531, 1878.

A monograph of the Scolytidæ, subfamily Tomicinæ, of the whole globe.

SWAINE, J. W.—Catalogue of the described Scolytidæ of America, north of Mexico. <24th Rep. N. Y. State Ent., pp. 76–159, 1909.

HOPKINS, A. D.—The genus *Dendroctonus*. <Tech. ser. 17, Pt. 1, Bur. Ent., U. S. Dept. Agr., pp. 164, pls. 8, 1909.

STREPSIPTERA.

PIERCE, W. D.—A preliminary review of the classification of the order Strepsiptera. <Proc. Ent. Soc. Wash., ix, pp. 75–85, 1908.

———A monographic revision of the twisted-winged insects comprising the order Strepsiptera. <Bul. 66, U. S. Nat. Mus., pp. 232, pls. 16, 1909.

HEMIPTERA.

Heteroptera.

I.—CATALOGUES AND CHECK-LISTS.

UHLER, P. R.—Check-list of the Hemiptera Heteroptera of North America. Published by the Brooklyn Entomological Society, 1886.

LETHIERRY, L., et SEVERIN, G.—Catalogue général des Hémiptères. 3 vols. 1893-1896. Musée royal d'histoire naturelle de Belgique.

These include all the Heteroptera except the Capsidae and the Cryptocerata.

BERGROTH, E.—Enumeratio Pentatomidarum post Catalogum Bruxellensem descriptarum. <Mém. Soc. Ent. Belg., xv, pp. 130-200, 1908.

KIRKALDY, G. W., and BUENO, J. R. DE LA TORRE.—A catalogue of American aquatic and semiaquatic Hemiptera. <Proc. Ent. Soc. Wash., x, pp. 173-215, 1909.

BANKS, N.—A Catalogue of the Nearctic Hemiptera-Heteroptera. Amer. Ent. Soc., 1909, pp. 70.

II.—GENERAL WORKS ON CLASSIFICATION.

AMYOT, C. J. B., et AUDINET-SERVILLE, J. G.—Hémiptères. Suites à Buffon. Histoire naturelle des Insectes. Paris, 1843.

STAL, C.—Analecta hemipterologica. Berlin, 1866-1869. 3 parts. Originally published in the Berliner entomologische Zeitschrift.

———Hemiptera Fabriciana, secundum exempla Musei Hafniensis et Kieliensis descripta. 2 parts. <Kongl. Svensk. Vet.-Akad. Handl., 1868-1869.

SCHIOEDTE, J. G.—Einige neue Hauptsätze der Morphologie und Systematik der Rhynchoten. <Naturh. Tidskr., 1869, pp. 237ff.

UHLER, P. R.—List of Hemiptera of the region west of the Mississippi River, including those collected during the Hayden explorations of 1873. <Bul. U. S. Geol. and Geog. Surv., i, pp. 267-361, Pls. xix-xxi, 1875.

———Report upon the insects collected by P. R. Uhler during the exploration of 1875, including monographs of the families Cydnidae and Saldidae, and the Hemiptera collected by A. S. Packard, M. D. <U. S. Geol. and Geog. Surv., Bul. iii, pp. 355-475, 1877.

STAL, C.—Enumeratio Hemipterorum. Bidrag till en förteckning öfver alla hitills kända Hemiptera (or: Index specierum omnium hucusque cognitarum cum observationibus systematicis). <Kongl. Svensk. Vet.-Akad. Handl., 1870-1877, 5 parts.

———Bidrag till Hemipterernas Systematik. Öfvers. K. Vet.-Akad. Förh., 1867, pp. 491-560.

Synopses of genera of Pentatomidae and Coreidae.

OSBORN, H.—Classification of Hemiptera. <Ent. Amer., i, pp. 21-27, 1885.

Short characterization of the whole order, with tables of suborders and families.

SUMMERS, H. E.—The true bugs, or Heteroptera, of Tennessee.
 <Bul. Tenn. Agr. Exp. Sta., iv, pp. 75–96, 1891.

Contains a table of the families, tables of genera of all aquatic forms,
 of the Emesidæ, Nabidæ, Phymatidæ, Aradidæ, Tingitidæ, and the
 Cydnidæ.

III.—MONOGRAPHS AND SYNOPSES.

Heteroptera.

CYDNIDÆ.

UHLER, P. R.—Summary of the Cydnidæ of North America in report
 upon the insects collected by P. R. Uhler, etc. <Bul. U. S. Geol.
 and Geog. Surv., iii, pp. 366–396, 1877.

SIGNORET, V.—Révision du groupe des Cydnides de la famille des
 Pentatomides. <Ann. Soc. Ent. France, 1881, and subsequent
 volumes to 1884.

A monograph of the Cydnidæ of the whole world.

PENTATOMIDÆ.

SUMMERS, H. E.—A generic synopsis of the Nearctic Pentatomidæ.
 <Proc. Iowa Acad. Sci., vi, pp. 40–46, 1898.

VAN DUZEE, E. P.—An annotated list of the Pentatomidæ recorded
 from North America, north of Mexico, with descriptions of some
 new species. <Trans. Amer. Ent. Soc., xxx, pp. 1–80, 1904.

KIRKLAND, A. H.—The species of Podisus occurring in the United
 States. <Rep. State (Mass.) Bd. Agr., Exterm. Gypsy Moth,
 1898, pp. 112–138, pl. 1.

SCHOOTEDEN, H.—Fam. Pentatomidæ. <Gen. Ins., Fasc. 30, pp. 46,
 pls. 3, 1905; Fasc. 24, pp. 98, pls. 5, 1904; Fasc. 52, pp. 82, pls. 5,
 1907; Fasc. 47, pp. 4, pl. 1, 1906.

COREIDÆ.

MONTANDON, A. L.—Notes on American Hemiptera Heteroptera.
 <Proc. U. S. Nat. Mus., xvi, pp. 45–52, 1893.

Table of Cosmopepla and Alydus.

BAKER, C. F.—Preliminary remarks on American Corizini (Hemip-
 tera). <Can. Ent., 1908, pp. 241–244.

Table of Corizus.

HAMBLETON, J. C.—The genus Corizus, with a review of the North
 and Middle American species. <Ann. Ent. Soc. Amer., i, pp.
 133–147, pls. 4, 1908.

LYGÆIDÆ.

- BAKER, C. F.—Notes on the Nysius and Ortholomus of America. <Invert. Pacif., i, pp. 133–140, 1906.
- HORVATH, G.—Les Scolopostethus américains. <Rev. d'Ent., 1893, pp. 238–241.
- VAN DUZEE, E. P.—Synonymical and descriptive notes on North American Heteroptera. <Can. Ent., 1909, pp. 369–375.
- Table of Ischnodemus.

ACANTHOCORIDÆ.

- REUTER, O. M.—Acanthiidae Americanae. <Öfvers. K. Vet.-Akad. Förh., 1871, pp. 557–567.
- Monographia Anthocoridarum orbis terrestris. <Act. Soc. Sci. Fenn., xiv, pp. 555–758, 1886.

ARADIDÆ.

- BERGROTH, E.—Notes on the Nearctic Aradidae. <Proc. Ent. Soc. Wash., ii, pp. 332–338, 1892.
- Synopsis of the genus Neuroctenus Fieber. <Öfvers. Finsk. Vet. Soc. Förh., xxvi, pp. 173–189, 1887.
- OSBORN, H.—Aradidae of Ohio. <Ohio Nat., iv, pp. 36–42, 1903.

PHYMATIDÆ.

- HANDLIRSCH, A.—Monographie der Phymatiden. <Ann. k. k. Naturh. Hofmus., Wien, xii, pp. 127–230, 1897.

NABIDÆ.

- REUTER, O. M.—Nabidae novae et minus cognitae. <Öfvers. K. Vet.-Akad. Förh., xxix, pp. 79–96, 1872 (1873).
- Bemerkungen über Nabiden. <Mém. Soc. Ent. Belg., xv, pp. 87–130, 1908.

REDUVIIDÆ.

- STÅL, C.—Monographie der Gattung Conorhinus und Verwandten. <Berl. ent. Zeitschr., iii, pp. 312–328, 1859.
- Bidrag till Reduviidernas kännedom. <Öfvers. K. Vet.-Akad. Förh., 1866, pp. 235–302.
- CAUDELL, A. N.—The genus Sinea of Amyot and Serville. <Journ. N. Y. Ent. Soc., 1901, pp. 1–11, pls. 2.

EMESIDÆ.

DOHRN, F. A.—Beiträge zu einer monographischen Bearbeitung der Familie der Emesina. <Linnæa Ent., xiv, pp. 206–355, Table 1, 1860.

BANKS, N.—Notes on our species of Emesidæ. <Psyche, 1909, pp. 43–48.

CAPSIDÆ.

ATKINSON, E. T.—Catalogue of the Capsidæ. <Suppl., Journ. Asiatic Soc. Bengal, LVIII, Pt. II, pp. 200, 1889.

The only catalogue of the Capsids of the world.

REUTER, O. M.—Capsinæ ex America boreali in Museo Holmiensi asservatæ. <Öfver. K. Vet.-Akad. Förh., 1875, pp. 59–92.

———Hemiptera Gymnocerata Europæ. Helsingfors, I, 1878; II, 1879; III, 1883; IV, 1891; V, 1896.

Most important for the study of the Capsidæ.

———Bemerkungen über Nearktische Capsiden nebst Beschreibung neuer Arten. <Acta Soc. Sci. Fenn., 1909, pp. 89.

SALDIDÆ.

UHLER, P. R.—Family Saldidæ. (Report upon the insects collected by P. R. Uhler during the explorations of 1875.) <Bul. U. S. Geol. and Geog. Surv., III, pp. 429–452, 1877.

BELOSTOMATIDÆ.

LEIDY, J.—History and anatomy of the Hemipterous genus Belostoma. <Journ. Acad. Nat. Sci. Phila., I, pp. 57–67, Pl. 1, 1847.

DUFOUR, L.—Essai monographique sur les Bélostomides. <Ann. Soc. Ent. France, 1863, pp. 373–400.

MAYR, G.—Die Belostomiden. Monographisch bearbeitet. <Verh. k. k. zool.-bot. Ges. Wien, 1871, pp. 399–440.

MONTANDON, A. L.—Hémiptères Hétéroptères exotiques, notes et descriptions. II, Fam. Belostomidæ. <Ann. Soc. Ent. Belg., 1896, pp. 508–520.

NAUCORIDÆ.

MONTANDON, A. L.—Hemiptera cryptocerata. Fam. Naucoridæ, sous-fam. Cryptocricinæ. <Verh. k. k. zool.-bot. Ges. Wien, 1897, pp. 6–23.

Table of Ambrysus.

NEPIDÆ.

BUENO, J. R. DE LA TORRE.—The three Ranatras of the northeastern United States. <Can. Ent., 1905, pp. 187–188.

NOTONECTIDÆ.

- FIEBER, F. X.—Rhynchotographien, drei monographische Abhandlungen. Sciocoridae, Oxycarenus, Notonectae. <Abhandl. kön. böhm. Ges. Wiss. Prag, ser. 5, VII, pp. 425–488, 1851.
- KIRKALDY, G. W.—Revision of the Notonectidae. Part I. <Trans. Ent. Soc. Lond., 1897, pp. 393–426.
- BUENO, J. R. DE LA TORRE.—The genus Notonecta in America north of Mexico. <Journ. N. Y. Ent. Soc., 1905, pp. 143–167, pl. 1.

CORISIDÆ.

- FIEBER, F. X.—Species generis Corisa monographice dispositae. <Abhandl. kön. böhm. Ges. Wiss. Prag, ser. 5, VII, pp. 213–260, 1851.
- KIRKALDY, G. W.—Notes on Corixidae, No. 1 (Hemiptera). <Can. Ent., 1908, pp. 117–120.
Table of genera.

Homoptera.

CICADIDÆ.

- WOODWORTH, C. W.—Synopsis of North American Cicadidae. <Psyche, v, pp. 67–68, 1888.
- UHLER, P. R.—Preliminary survey of the Cicadidae of the United States, Antilles, and Mexico. <Trans. Maryland Acad. Sci., 1892, pp. 175–179.
- DISTANT, W. L.—A synonymic catalogue of Homoptera. Part I, Cicadidae. <Brit. Mus. Nat. Hist., 1906, pp. 1–207.
- MACGILLIVRAY, A. D.—Cicadidae: American genera and species. <Can. Ent., 1901, pp. 74–84.
- SMITH, J. B., and GROSSBECK, J. A.—Studies in certain Cicada species. <Ent. News, 1907, pp. 116–129, pls. 3.

JASSIDÆ.

- VAN DUZEE, E. P.—A catalogue of the described Jassoidea of North America. <Trans. Amer. Ent. Soc., XXI, pp. 245–316, 1894.
- A synoptical arrangement of the genera of the North American Jassidae, etc. <Trans. Amer. Ent. Soc., XIX, pp. 295–307, 1892.
- SIGNORET, V.—Essai sur les Jassides Stal, Fieb., et plus particulièrement sur les Acocéphalides Puton. <Ann. Soc. Ent. France, 1879–1880.

- WOODWORTH, C. W.—Jassidæ of Illinois, Part I. <Bul. Ill. State Lab. Nat. Hist., III, pp. 9–33, 1887.
- OSBORN, H.—Jassidæ of New York State. <20th Rep. N. Y. State Ent., pp. 498–545, 1904.
- and BALL, E. D.—Studies of North American Jassoidea. <Proc. Davenport Acad. Sci., VII, pp. 45–100, 1898.
Contains a review of Agallia.
- Contributions to the Hemipterous fauna of Iowa. <Proc. Iowa Acad. Sci., IV, pp. 172–234, 1897.
Contains a review of Deltocephalus.
- The genus *Pediopsis*; a review of the North American species. <Proc. Davenport Acad. Nat. Sci., VII, pp. 111–123, 1900.
- A review of the North American species of *Idiocerus*. <Proc. Davenport Acad. Nat. Sci., VII, pp. 124–138, 1900.
- WOODWORTH, C. W.—On the genus *Cicadula*. <Psyche, V, pp. 75–76, 1889.
- VAN DUZEE, E. P.—Review of the North American species of *Pediopsis*. <Ent. Amer., 1889, pp. 165–174.
- A revision of the North American species of *Phlepsius*. <Trans. Amer. Ent. Soc., XIX, pp. 63–82, 1892.
- BAKER, C. F.—The North American species of *Gnathodus*. <Can. Ent., 1896, pp. 35–42.
- VAN DUZEE, E. P.—Review of the North American species of *Bythoscopus*. <Ent. Amer., 1890, pp. 221–229.
- WOODWORTH, C. W.—North American Typhlocybini. <Psyche, V, pp. 211–214, 1889.
- GILLETTE, C. P.—American leaf hoppers of the subfamily Typhlocybinae. <Proc. U. S. Nat. Mus., XX, pp. 709–773, 1898.
- OSBORN, H.—The genus *Scaphoideus*. <Journ. Cin. Soc. Nat. Hist., XIX, pp. 187–209, pls. 2, 1900.
- BALL, E. D.—The genus *Eutettix*. <Proc. Davenport Acad. Sci., XII, pp. 27–94, pls. 4, 1907.
- The genus *Cochlorhinus* Uhler and its allies. <Can. Ent., 1902, p. 53.
- OSBORN, H., and BALL, E. D.—A review of the North American species of *Athysanus*. <Ohio Nat., II, pp. 231–257, pls. 2, 1902.

TETTIGONIIDÆ.

- SIGNORET, V.—Revue iconographique des Tettigonides. <Ann. Soc. Ent. France, 1853–1855, with colored plates.
- SPANBERG, J.—Species *Gyponæ* generis *Homopterorum*. <Bihang Svensk. Vet.-Akad. Handl., 1878, pp. 75.

BALL, E. D.—A review of the Tettigonidae of North America, north of Mexico. <Proc. Iowa Acad. Sci., viii, pp. 35-75, pls. 7, 1901.

CERCOPIDÆ.

GODING, F. W.—Synopsis of the subfamilies and genera of the North American Cercopidæ, with a bibliographical catalogue of the described species. <Bul. Ill. State Lab. Nat. Hist., iii, pp. 483-501, 1895.

BALL, E. D.—A study of the genus *Clastoptera*. <Proc. Iowa Acad. Sci., iii, pp. 182-193, pls. 4, 1896.

——— A review of the Cercopidæ of North America, north of Mexico. <Proc. Iowa Acad. Sci., vi, pp. 204-226, 1900.

FULGORIDÆ.

WESTWOOD, J. O.—On the family Fulgoridæ, with a monograph of the genus *Fulgora* of Linnaeus. <Trans. Linn. Soc. Lond., xviii, pp. 133-238, pl. 1, 1839.

STÅL, C.—Die amerikanischen Fulgoriden-Gattungen synoptisch beschrieben. <Stett. ent. Zeit., xxxi, pp. 255-258, 1870.

ASHMEAD, W. H.—A generic synopsis of the Fulgoridæ. <Ent. Amer., 1888, pp. 1-6, 21-28.

VAN DUZEE, E. P.—A preliminary review of the North American Delphacidae. <Bul. Buffalo Soc. Nat. Sci., v, pp. 225-261, 1897.

——— Observations on some northern Derbidae. <Can. Ent., 1889, pp. 159, 176.

UHLER, P. R.—Aids to a recognition of some North American genera and species of the old family Fulgoridæ. <Trans. Maryland Acad. Sci., 1900, pp. 401-408.

Treats of the species of *Scolops*.

SWEZEY, O.—A preliminary catalogue of the described species of the family Fulgoridæ of North America, north of Mexico. <Bul. 3, Ohio Nursery and Orchard Inspection, pp. 48, 1904.

VAN DUZEE, E. P.—Studies in North American Fulgoridæ. <Proc. Acad. Nat. Sci. Phila., 1907 (1908), pp. 467-498.

Tables to species of several genera.

MELICHAR, L.—Monographie der Issiden. <Abh. zool.-bot. Ges. Wien, 1906, pp. 327.

——— Monographie der Acanaloniiden und Flatiden. <Ann. Hofmus. Wien., xvi, pp. 178-238, 1901; *ibid.*, xvii, pp. 1-253, pls. 9, 1902.

MEMBRACIDÆ.

STÅL, C.—Bidrag till Membracidernas Kännedom. <Öfvers. K. Vet.-Akad. Förh., 1869, pp. 231–300.

GODING, F. W.—Bibliographical and synonymical catalogue of the described Membracidæ of North America. <Bul. Ill. St. Lab. Nat. Hist., III, pp. 391–482, 1894.

——— A synopsis of the subfamilies and genera of the Membracidæ of North America. <Trans. Amer. Ent. Soc., XIX, pp. 253–260, 1892.

VAN DUZEE, E. P.—Studies in North American Membracidæ. <Bul. Buffalo Soc. Nat. Sci., IX, pp. 29–129, 1908.
Tables to genera and most of species.

PSYLLIDÆ.

LÖW, F.—Zur Systematik der Psylloden. <Verh. k. k. zool.-bot. Ges. Wien, 1878, pp. 585–610.

Characteristics and tables of the European subfamilies and genera.
Supersedes all previous classifications.

ASHMEAD, W. H.—On the Aphididæ of Florida, with descriptions of new species. Family Psyllidæ. <Can. Ent., XIII, pp. 220–225, 1881.

Gives a list of the North American species, with descriptions of several new ones.

RILEY, C. V.—Notes on North American Psyllidæ. <Proc. Biol. Soc. Wash., II, pp. 67–79, 1884.

A list of the North American Psyllidæ and descriptions of new genera and species.

MALLY, C. W.—Psyllidæ found at Ames. <Proc. Iowa Acad. Sci., II, pp. 152–171, pls. 3, 1894.

A list of the described species, with a few additions.

APHIDIDÆ.

WALSH, B. D.—On the genera of Aphidæ found in the United States. <Proc. Ent. Soc. Phila., I, pp. 294–310, 1861–1863.

THOMAS, C.—Notes on the plant-lice found in the United States. <Trans. Ill. Hort. Soc., 1877, pp. 137–212.

A review of the family, including the Psyllidæ; reproduces the descriptions of earlier authors, and adds descriptions of new species.

——— A list of the species of the tribe Aphidini, family Aphidæ, found in the United States, which have been heretofore named, with descriptions of some new species. <Bul. 2, Ill. State Lab. Nat. Hist., 1878, pp. 3–16.

RILEY, C. V., and MONELL, J.—Notes on the Aphididæ of the United States, with descriptions of species occurring west of the Mississippi. <Bul. U. S. Geol. and Geog. Surv., v, pp. 1–32, pls. 2, 1879.

Riley gives the biology and description of several Pemphiginae; Monell, descriptions, with occasional tables, of a number of Aphidinae.

THOMAS, C.—Eighth Report of the State Entomologist on the noxious and beneficial insects of the State of Illinois. <3d Ann. Rep., by Cyrus Thomas, Springfield, 1879.

The report treats wholly on the Aphididæ of the United States and is an enlargement of the author's paper in the Transactions of the Illinois Horticultural Society, 1877.

BUCKTON, G. B.—Monograph of the British Aphides. 4 vols. London, Ray Society, 1875–1883.

This is the latest European work on this family, containing tables for the determination of the genera.

OESTLUND, O. W.—Synopsis of the Aphididæ of Minnesota. <Bul. 4, Geol. and Nat. Hist. Surv. Minn., St. Paul, 1887.

ASHMEAD, W. H.—A generic synopsis of the Aphididæ. <Ent. Amer., 1889, pp. 185–189.

WILLIAMS, T. A.—Host-plant list of North American Aphididæ. <Spec. Bul. 1, Univ. Nebr., Dept. Ent., 1891.

LICHTENSTEIN, J.—Les Pucerons, première partie. Genera (all published). Paris, 1885, pp. 185.

HUNTER, W. D.—The Aphididæ of North America. <Bul. 60, Iowa Agr. Exp. Sta., pp. 138, 1901.

SANBORN, C. E.—Kansas Aphididæ, with catalogue of North American Aphididæ and host-plant and plant-host list. <Kans. Univ. Sci. Bul., III, pp. 3–82, 225–274, pls. 22, 1905, 1906.

PERGANDE, THEO.—North American Phylloxerinae affecting Hicoria (Carya) and other trees. <Proc. Davenport Acad. Sci., ix, pp. 185–273, pls. 21, 1904.

JACKSON, C. F.—A synopsis of the genus Pemphigus, with notes on their economic importance, life history, and geographical distribution. <Proc. Columbus Hort. Soc., 1907, pp. 160–218, 1908.

Table of genera of Aphididæ.

ALEYRODIDÆ.

QUAINTANCE, A. L.—Contributions toward a monograph of the American Aleurodida. <Tech. Ser. 8, Div. Ent., U. S. Dept. Agr., pp. 1–64, 1900.

——— Fam. Aleyrodida. <Gen. Ins., Fasc. 87, pp. 11, pls. 2, 1909.

BEMIS, F. E.—The Aleyrodids or mealy-winged flies of California, with references to other American species. <Proc. U. S. Nat. Mus., xxvii, pp. 471–537, 1904.

COCCIDÆ.

SIGNORET, V.—Essai sur les cochenilles. <Ann. Soc. Ent. France, 1868–1876.

COMSTOCK, J. H.—Report on scale insects. <Ann. Rep. Comm. Agr., 1880, Washington, 1881, pp. 276–349, pls. iii–xxii.

———Second report on scale insects, including a monograph of the subfamily Diaspinæ of the family Coccidæ and a list, with notes, of the other species of scale insects found in North America. <2d Rep. Cornell Univ. Exp. Sta., 1882–1883, Ithaca, N. Y., 1883, pp. 47–143, pls. i–iv.

ASHMEAD, W. H.—A generic synopsis of the Coccidæ. <Trans. Amer. Ent. Soc., xviii, pp. 92–102, 1891.

COCKERELL, T. D. A.—Tables for the determination of the genera of Coccidæ. <Can. Ent., 1899, pp. 273–279, 330–333.

———A check-list of the Coccidæ. <Bul. Ill. State Lab. Nat. Hist., iv, pp. 318–339, 1896.

———First supplement to the check-list of the Coccidæ. <Bul. Ill. State Lab. Nat. Hist., v, pp. 389–398, 1899.

———A check-list of the Nearctic Coccidæ. <Can. Ent., 1894, pp. 31–36.

FERNALD, M. E.—A catalogue of the Coccidæ of the world. <Spec. Bul. 88, Mass. Agr. Exp. Sta., pp. 360, 1903.

SANDERS, J. G.—Catalogue of recently described Coccidæ. Tech. ser. 12, Pt. I, Bur. Ent., U. S. Dept. Agr., 1906, pp. 1–18; II, Tech. ser. 16, Pt. III, Bur. Ent., U. S. Dept. Agr., 1909, pp. i–ii + 33–60.

Additions since the Fernald catalogue.

COOLEY, R. A.—The Coccid genera *Chionaspis* and *Hemichionaspis*. <Spec. Bul. Mass. Agr. Exp. Sta., August, 1899, pp. 58, pls. 9.

KING, G. B.—The genus *Kermes* in North America. <Psyche, ix, pp. 78–84, 1900.

COCKERELL, T. D. A.—Table of North American *Kermes*, based on external characters. <Psyche, ix, pp. 44–45, 1900.

NEWELL, W.—On the North American species of the subgenera *Diaspidiotus* and *Hemiberlesia*, of the genus *Aspidiotus*. <Contrib. Dept. Zool. Ent., Iowa State Coll. Agr. and Mech. Arts, No. 3, August, 1899.

MARLATT, C. L.—The genus *Pseudaonidia*. <Proc. Ent. Soc. Wash., ix, pp. 131–141, pl. 1, 1908.

- COCKERELL, T. D. A.—The coccid genus *Eulecanium*. <Can. Ent., 1906, pp. 83–88.
- SANDERS, J. G.—Coccidae of Ohio, I. <Proc. Ohio State Acad. Sci., iv, Pt. II, pp. 27–80, pls. 9, 1904.
- CARNES, E. K.—The Coccidae of California. <Second Bien. Rep. Comm. Hort. Cal. f. 1905–1906 (1907), pp. 155–222, figs. 34.

THYSANOPTERA.

THRIPIDÆ.

- HALLIDAY, A. H.—An epitome of the British genera in the order Thysanoptera, with indications of a few of the species. <Ent. Mag., III, pp. 439–451, 1836.
- HINDS, W.—Contribution to a monograph of the insects of the order Thysanoptera inhabiting North America. <Proc. U. S. Nat. Mus., XXVI, pp. 79–242, pls. 11, 1902.
- MOULTON, D.—A contribution to our knowledge of the Thysanoptera of California. <Tech. Ser. 12, Pt. III, Bur. Ent., U. S. Dept. Agr., pp. 35–68, pls. 6, 1907.
- BEACH, A. M.—Contributions to a knowledge of the Thripidae of Iowa. <Proc. Iowa Acad. Sci., III, pp. 214–227, 1896.
Tables for genera and species.
- UZEL, H.—Monographie der Ordnung Thysanoptera. Königgrätz, 1895, pp. 472, pls. 10.

ANOPLURA.

PEDICULIDÆ.

- DENNY, H.—Monographia Anoplurorum Britanniae, or an essay on the British species of parasitic insects. London, 1842, pls. 26.
- GIEBEL, C. G. A.—Insecta epizoa. Die auf Säugethieren und Vögeln schmarotzenden Insekten. Nach Zeichnungen von C. L. Nitzsch. Leipzig, 1874, pls. 20.
- PIAGET, E.—Les Pediculines. Description de toutes les espèces observées, enrichie d'espèces nouvelles. Leyden, 1880, pls. 56; Supplément, 1885, pls. 17.
- VON DALLA TORRE, K. W.—Anoplura. Gen. Ins., Fasc. 81, pp. 22, pl. 1, 1909.

ORTHOPTERA.

I.—CATALOGUES.

- SCUDDER, S. H.—Catalogue of the described Orthoptera of the United States and Canada. <Proc. Davenport Acad. Nat. Sci., VIII, 1900.

KIRBY, W. F.—A synonymic catalogue of Orthoptera. <Brit. Mus. Pub., I. Euplexoptera, Cursoria et Gressoria, pp. 501, 1904; II, Pt. I, Gryllidæ and Locustidæ, pp. 562, 1906.

SCUDDER, S. H.—A catalogue of the Orthoptera of North America described previous to 1867. <Smithsonian Institution, Miscellaneous Collections 189, 1868.

An alphabetical, not synonymical, list of the Orthoptera described from North America; contains also a full bibliography up to 1867.

II.—LOCAL LISTS.

SMITH, J. S.—Orthoptera of the State of Maine. <Proc. Portland Soc. Nat. Hist., 1868, pp. 143–151.

A synonymical catalogue of the Orthoptera found in Maine, with notes on habits and distribution of the species.

FERNALD, C. H.—The Orthoptera of New England. <Ann. Rep. Mass. Agr. Col., 1888, pp. 61.

BEUTENMÜLLER, W.—Descriptive catalogue of the Orthoptera found within fifty miles of New York City. <Bul. Amer. Mus. Nat. Hist., VI, pp. 253–316, 1894.

SCUDDER, S. H.—A list of Orthoptera of New England. <Psyche, IX, pp. 99–106, 1900.

BLATCHLEY, W. S.—The Orthoptera of Indiana. <27th Ann. Rep. Dept. Geol. & Nat. Res. Indiana f. 1902, pp. 123–171, 1903.

HART, C. A.—Descriptive synopsis of the insect collections, II. Orthoptera. <Ill. State Lab. Nat. Hist., 1906, pp. 67–92.

LUGGER, O.—The Orthoptera of Minnesota. <3d Ann. Rep. Ent. Minn. f. 1897, pp. 285, figs. 187, 1898.

GILLETTE, C. P.—An annotated list of Colorado Orthoptera. <Bul. 94, Colo. Agr. Exp. Sta., pp. 17–36, 1904.

SCUDDER, S. H., & COCKERELL, T. D. A.—A first list of the Orthoptera of New Mexico. <Proc. Davenport Acad. Sci., IX, pp. 1–62, 1902.

WOODWORTH, C. W.—Grasshoppers in California. <Bul. 142, Cal. Agr. Exp. Sta., pp. 1–36, 1902.

III.—GENERAL WORKS ON CLASSIFICATION.

SCUDDER, S. H.—Guide to the genera and classification of the North American Orthoptera. Cambridge, Mass., 1897.

Contains a bibliography.

BRUNNER VON WATTENWYL, C.—Révision du système des Orthoptères, et description des espèces rapportées par M. Leonardo Fea de Birmannie. <Ann. Mus. civ. Stor. nat. Genova, XIII, pp. 1–230, 1893.

AUDINET-SERVILLE, J. G.—Histoire naturelle des Insectes Orthoptères. Paris, 1839, pp. 776, pls. 14.

Natural history of the order up to date, with bibliography and list of species described.

SCUDDER, S. H.—Materials for a monograph of the North American Orthoptera. <Bost. Journ. Nat. Hist., vii, pp. 409–480, 1862.

Contains synoptical tables and a review of the system used for classification.

IV.—SYNOPSSES AND MONOGRAPHS.

FORFICULIDÆ.

DOHRN, H.—Versuch einer Monographie der Dermapteren. <Stett. ent. Zeit., xxiv–xxvi, 1863–1865.

A monograph of the Forficulidæ of the whole world.

SCUDDER, S. H.—Synoptical tables for determining North American insects. Orthoptera. U. S. Forficulariæ. <Psyche, i, pp. 177–178, 1876.

——— Brief synopsis of North American earwigs, with an appendix on the fossil species. <Bul. U. S. Geol. and Geog. Surv., ii, pp. 249–260, 1876.

——— Critical and historical notes on Forficulariæ, including descriptions of new generic forms and an alphabetical synonymic list of the described species. <Proc. Bost. Soc. Nat. Hist., xviii, pp. 287–332, 1876.

KIRBY, W. F.—A revision of the Forficulidæ, with descriptions of new species in the British Museum. <Journ. Linn. Soc. Lond., Zool., xxiii, pp. 502–531, 1890.

DE BORMANS, A., and KRAUSS, H.—Forficulidæ und Hemimeridæ. <Das Tierreich, 11 Lief., pp. 142, figs. 41, 1900.

BLATTIDÆ.

BRUNNER VON WATTENWYL, C.—Nouveau système des Blattaires. Vienna, 1865, pp. 426, pls. 13.

Synoptical arrangement of all described species, with descriptions of many new ones; also bibliography on the family.

DE SAUSSURE, H.—Mélanges Orthoptérologiques. 6 fascicules. Geneva, 1863–1878.

Fascicule II contains the Blattidæ.

BLATCHLEY, W. S.—The Locustidæ and Blattidæ of Indiana. <Proc. Ind. Acad. Sci., 1892, pp. 92–163.

SHELFORD, R.—Fam. Blattidae. <Gen. Ins., Fasc. 55, pp. 13, pl. 1, 1907.

REHN, J. A. G.—A revision of the Orthopterous genus *Homoeogamia*. <Proc. Acad. Nat. Sci. Phila., 1903, pp. 177–192.

PHASMIDÆ.

SCUDDER, S. H.—Summary of the United States Phasmidæ. <Can. Ent., 1895, pp. 29–30.

——— The species of *Diapheromera* (Phasmidæ) found in the United States and Canada. <Psyche, ix, pp. 187–189, 1901.

CAUDELL, A. N.—The Phasmidæ, or walking sticks, of the United States. <Proc. U. S. Nat. Mus., xxvi, pp. 863–885, pls. 4, 1903.

BRUNNER VON WATTENWYL, K. and REDTENBACHER, J.—*Monographie der Phasmiden*. Wien, folio, pp. 589 (3 parts), 1907–1908.

MANTIDÆ.

SCUDDER, S. H.—Index to the Mantidæ of North America, north of Mexico. <Can. Ent., 1896, pp. 207–215.

DE SAUSSURE, H.—*Essai d'un système des Mantides*. <Mittheil. d. schweiz. ent. Ges., iii, pp. 49–73, 1869.

Classification of the Mantidæ. Part 2 contains descriptions of North American species.

——— *Mantides américains*. <Mém. Hist. Nat. Mém., ii, 1. Geneva, 1871, pp. 186, pls. 2.

A synopsis of the North American species.

WESTWOOD, J. O.—*Revisio insectorum familiæ Mantidarum, speciebus novis aut minus cognitis descriptis et delineatis*. London, 1889.

GRYLLIDÆ.

SCUDDER, S. H.—Revision of the large, stylated, fossorial crickets. <Mem. Peabody Acad. Sci., i, No. 1, 1869.

Description of the species of *Scapteriscus* and *Gryllotalpa*.

DE SAUSSURE, H.—*Mélanges Orthoptérologiques. Gryllides*. Two parts. Geneva, 1877–1878.

A monograph of the family, containing synoptical tables of the genera and species.

HART, C. A.—On the species of *Cecanthus*. <Ent. News, 1892, pp. 33–34.

SCUDDER, S. H.—The species of *Nemobius* found in North America. <Psyche, vii, pp. 431–434, 1896.

——— The species of *Myrmecophila* in the United States. <Psyche, viii, pp. 423–428, 1899.

- SCUDDER, S. H.—The species of *Gryllus* found in the United States east of the Sierra Nevadas. <Psyche, ix, pp. 291–296, 1902.
- The species of *Gryllus* on the Pacific coast. <Psyche, ix, pp. 267–270, 1901.
- *Miogryllus* and its species in the United States. <Psyche, ix, pp. 256–258, 1901.
- CAUDELL, A. N.—A new *Cyrtoxipha* from the United States. <Journ. N. Y. Ent. Soc., 1907, pp. 237–238.
- Table of species.
- SCUDDER, S. H.—On the United States Orthoptera which have been referred to the genus *Tridactylus*. <Psyche, ix, pp. 308–310, 1902.
- BLATCHLEY, W. S.—The *Gryllidæ* of Indiana. <Proc. Ind. Acad. Sci., 1891, pp. 126–144.

LOCUSTIDÆ.

- STAL, C.—*Recensio Orthopterorum*. Revue critique des Orthoptères décrits par Linné, De Geer et Thunberg. (Part 2.) Stockholm, 1874, pp. 121.
- Contains synoptical tables of the genera.
- BRUNNER VON WATTENWYL, K.—*Monographie der Phaneropteriden*. Wien, 1878, pp. 402, pls. 8.
- *Monographie der Pseudophylliden*. <Verh. k. k. zool.-bot. Ges. Wien, 1895, pp. 282.
- REDTENBACHER, J.—*Monographie der Conocephaliden*. <Verh. k. k. zool.-bot. Ges. Wien, 1891, pp. 315–562.
- SCUDDER, S. H.—The North American *Ceuthophili*. <Proc. Amer. Acad. Arts and Sci., xxx, pp. 17–113, 1894.
- The Orthopteran group *Scudderie*. <Proc. Amer. Acad. Arts and Sci., xxxiii, pp. 271–290, 1898.
- A preliminary review of the North American *Decticidæ*. <Can. Ent., 1894, pp. 177–184.
- The described species of *Xiphidium* in the United States and Canada. <Can. Ent., 1898, pp. 183–184.
- MCNEILL, J.—*Orchelimum* Serv. <Can. Ent., 1900, pp. 77–83.
- SCUDDER, S. H.—The *Stenopelmatina* of the Pacific Coast. <Can. Ent., 1899, pp. 113–121.
- BLATCHLEY, W. S.—The *Locustidæ* and *Blattidæ* of Indiana. <Proc. Ind. Acad. Sci., 1892, pp. 92–163.
- CAUDELL, A. N.—The *Decticidean* genus *Eremopedes*. <Can. Ent., 1902, pp. 98–101.

- CAUDELL, A. N.—The Cyrtophylli of the United States. <Journ. N. Y. Ent. Soc., 1906, pp. 32–45, pl. 1.
- The Decticinae (a group of Orthoptera) of North America. <Proc. U. S. Nat. Mus., xxxii, pp. 285–410, figs. 94, 1907.
- Fam. Decticidæ. <Gen. Ins., Fasc. 72, pp. 43, pls. 2, 1908.

ACRIDIIDÆ.

- STÅL, C.—Recensio Orthopterorum. Revue critique des Orthoptères décrits par Linné, De Geer et Thunberg. Part 1. Acrididæ. Stockholm, 1873, pp. 154.

A synoptical arrangement of the genera of the family, with descriptions of new genera and species.

- THOMAS, C.—Synopsis of North American Acrididæ. <Rep. U. S. Geol. Surv., v, Part 1, 1873.

A systematical arrangement of the described species of North American locusts; Part 1. Species of the United States; Part 2. Species from other parts of North America.

- SCUDDER, S. II.—Spharagemon, a genus of CEdipodidæ: with a revision of the species. <Proc. Boston Soc. Nat. Hist., xvii, pp. 467–471, 1875. Separate, under the title: Entomological Notes, iv, pp. 66–70.

- A revision of two American genera of CEdipodidæ. <Proc. Boston Soc. Nat. Hist., xvii, pp. 478–485, 1875. Separate, under the title: Entomological Notes, iv, pp. 77–84.

A synopsis of the genera Encoptolophus and Tragocephala.

- THOMAS, C.—Manual of economic entomology. Part III. The Acrididæ of Illinois. <9th Rep. St. Ent. Ill., 1880, pp. 73–140.

- BRUNER, L.—North American Acrididæ, north of Mexico. <3d Rep. U. S. Ent. Comm., 1883, pp. 55–61.

A systematic list of the species described from North America.

- DE SAUSSURE, II.—Prodromus CEdipodiorum insectorum ex ordine Orthopterorum. <Mém. Soc. Phys. Hist. Nat., Geneva, 1884, pp. 254.

A synoptical monograph of the subfamily CEdipodinae of all countries.

- STÅL, C.—Systema Acrideorum. <Bihang Svensk. Vet. Akad. Handl., 1878, pp. 100.

- SCUDDER, S. II.—Revision of the Orthopteran group Melanopli (Acridiida), with special reference to North American forms. <Proc. U. S. Nat. Mus., xx, pp. 1–421, 1897.

- The Orthopteran genus Hippiscus. <Psyche, vi, 1892. [Continued in several numbers.]

- The North American species of Orphulella. <Can. Ent., 1899, pp. 177–188.

- SCUDDER, S. H.—The species of the Orthopteran genus *Derotmema*. <Proc. Amer. Acad. Arts and Sci., xxxv, pp. 387–395, 1900.
- Some genera of (Edipodidae rescued from the Tryxalidae. <Psyche, v, pp. 431–442, 1890.
- Supplement to a revision of the Melanopli. <Proc. Davenport Acad. Nat. Sci., vii, pp. 157–205, pls. 3, 1899.
- The Orthopteran genus *Schistocerca*. <Proc. Amer. Acad. Arts and Sci., xxxiv, pp. 441–476, 1899.
- MORSE, A. P.—Revision of the species of *Spharagemon*. <Psyche, vii, pp. 287–299, 1895.
- MCNEILL, J.—Revision of the Truxalinae of North America. <Proc. Davenport Acad. Nat. Sci., vi, pp. 179–274, 1897.
- The Orthopteran genus *Trimerotropis*. <Psyche, ix, pp. 27–36, 1900.
- MORSE, A. P.—Notes on the Acrididae of New England. <Psyche, i, pp. 147–167, 1894; ii, pp. 323–327, 342–344, 382–384, 402–403, 407–411, 419–422, 443–445, 1896; iii, pp. 6–8, 35–37, 50–51, 64–66, 80–82, 87–89, 111–114, 1897; iv, pp. 247–248, 255–260, 269–273, 279–282, 292–296, 1898.
- SCUDDER, S. H.—The species of *Hadrotettix*, a genus of (Edipodinae. <Psyche, ix, pp. 67–69, 1900.
- BOLIVAR, I.—Essai sur les Acridiens de la tribu des Tettigidae. <Ann. Soc. Ent. Belg., 1887, pp. 175–313.
- HANCOCK, J. L.—The species of the new genus *Neotettix*, with a key to the genera of North American Tettigiae. <Ent. News, 1898, pp. 137–141.
- Synopsis of subfamilies and genera of North American Tettigidae. <Psyche, ix, pp. 6–7, 1900.
- BOLIVAR, I.—Fam. Acridiidae, sub fam. Pyrgomorphinae. <Gen. Ins., Fasc. 90, pp. 58, pl. 1, 1909.
- CAUDELL, A. N.—On a collection of Orthoptera from southern Arizona, with descriptions of new species. <Proc. U. S. Nat. Mus., xxviii, pp. 461–477, 1905.
- Tables of *Tomonotus* and *Litanentria*.
- HANCOCK, J. L.—Subfamily Tettiginae (Acridiidae). <Gen. Ins., Fasc. 48, pp. 77, pls. 4, 1906.
- The Tettigidae of North America. Chicago, 1902, pp. 188, pls. 11.
- MCNEILL, J.—Revision of the Orthopteran genus *Trimerotropis*. <Proc. U. S. Nat. Mus., xxiii, pp. 393–449, 1901.
- SCUDDER, S. H.—The clear-winged species of the (Edipodine genus *Mestobregma*. <Psyche, ix, pp. 90–93, 1900.

- SCUDDER, S. H.—A preliminary revision of the Tryxalinae of the United States and Canada. <Psyche, viii, pp. 231–239, 1898.
- The species of the Cædipodine genus *Heliastus* Sauss., occurring in the United States. <Psyche, ix, pp. 45–47, 1900.
- The species of *Circotettix*, a North American genus of Cædipodinae. <Psyche, ix, pp. 135–141, 1900.

NEUROPTERA (INCLUDING PSEUDONEUROPTERA).

I.—CATALOGUES.

- BANKS, N.—A synopsis, catalogue, and bibliography of the Neuropteroid insects of temperate North America. <Trans. Amer. Ent. Soc., xix, pp. 328–373, 1892.
- Catalogue of the Neuropteroid insects (except Odonata) of the United States. American Entomological Society, Philadelphia, 1907, pp. 53.

II.—GENERAL WORKS ON CLASSIFICATION.

- BURMEISTER, H.—Handbuch der Entomologie. Berlin, 1832–1835.
The Neuroptera are treated in Vol. II, Part I.
- RAMBUR, P.—Histoire naturelle des Neuroptères. Suites à Buffon. Paris, 1842.
- HAGEN, H.—Synopsis of the Neuroptera of North America, with a list of the South American species. Prepared for the Smithsonian Institution. <Smith. Misc. Coll., Washington, 1861.
- BRAUER, FR.—Verzeichniss der bis jetzt bekannten Neuropteren im Sinne Linné's. <Verh. k. k. zool.-bot. Ges. Wien, 1868, pp. 359–416, 711–742.
Contains tables to all the genera known at date.
- BANKS, N.—New genera and species of Nearctic Neuropteroid insects. <Trans. Amer. Ent. Soc., 1899 (1900), pp. 239–259.
Generic synopses of the Perlidæ and Ephemeridæ, and tables of Callibætis and Trienodes.

III.—MONOGRAPHS AND SYNOPSES.

TERMITIDÆ.

- HAGEN, H. A.—Monographie der Termiten. <Linnaea ent., x, xii, and xiv, 1855–1860.
- DESNEUX, J.—Fam. Termitidæ. <Gen. Ins., Fasc. 25, pp. 52, pls. 2, 1904.

EMBIIDÆ.

- HAGEN, H. A.—Monograph of the Embidina. <Can. Ent., xvii, pp. 141–155, 171–178, 190–199, 206–229, 1885.
13567—Bull. 81—10—7

PSOCIDÆ.

HAGEN, H. A.—Beiträge zur Monographie der Psociden. <Stett. ent. Zeit., XLIII and XLIV, 1882–1883.

PERLIDÆ.

PICTET, F. J.—Histoire naturelle générale et particulière des insectes Nevroptères. Première monographie: Famille des Perlides. Geneva, 1841–1842.

BANKS, N.—Notes on Pteronarcys, a genus of Perlidæ. <Proc. Ent. Soc. Wash., VIII, pp. 8–9, 1906.

——— Notes on the classification of the Perlidæ. <Can. Ent., 1906, pp. 221–224.

——— A list of Perlidæ from British Columbia and Alberta. <Can. Ent., 1907, pp. 323–330.

Table of genera.

EPHEMERIDÆ.

PICTET, F. J.—Histoire naturelle générale et particulière des insectes Nevroptères. Seconde monographie: Famille des Ephémérines. Geneva, 1843–1845.

EATON, A. E.—A monograph on the Ephemeridæ. Part 1. The nomenclature of the Ephemeridæ. <Trans. Ent. Soc. Lond., 1871, pp. 1–164, pls. 6.

——— A Révisional Monograph of Recent Ephemeridæ, or May flies. <Trans. Linn. Soc. Lond., 1883–1886.

NEEDHAM, J. G.—May flies and midges of New York. <Bul. 86, N. Y. State Mus., pp. 17–62, 1905.

A table to genera of May flies.

ODONATA.

KIRBY, W. F.—A synonymic catalogue of Neuroptera Odonata, or dragon flies. London, 1890, pp. 202.

DE SELYS LONGCHAMPS, E., et HAGEN, H.—Monographie des Caloptérygines. <Bul. Acad. Belg., Brussels, 1854.

——— Monographie des Gomphines. <Bul. Acad. Belg., Brussels, 1858.

DE SELYS LONGCHAMPS, E.—Synopsis des Agrionines. Six parts. <Bul. Acad. Belg., Brussels, 1860–1878.

——— Synopsis des Cordulines. <Bul. Acad. Belg., Brussels, 1871.

HAGEN, H. A.—Synopsis of the Odonata of America. <Proc. Bost. Soc. Nat. Hist., XVIII, pp. 20–96, 1875.

Omitting the subfamily Agrionina.

- DE SELYS LONGCHAMPS, E.—Synopsis d'Eschnines. <Bul. Acad. Belg., 1883.
- Révision du Synopsis des Agrionines. <Bul. Acad. Belg., 1886.
- HAGEN, H. A.—Synopsis of the Odonat genus *Leucorhinia*. <Trans. Amer. Ent. Soc., xvii, pp. 229–236, 1890.
- Synopsis of the Odonata of North America. <Psyche, v, 1889–1890. No. 1, pp. 241–250. *Calopteryx*: No. 2, pp. 303–308, *Anax*.
- CALVERT, P. P.—Catalogue of the Odonata (dragon flies) of the vicinity of Philadelphia. <Trans. Amer. Ent. Soc., xx, pp. 152–272, pls. 2, 1893.
- KELLCOTT, D. S.—The Odonata of Ohio. <Ohio Acad. Sci., Special Paper No. 2, 1899, pp. 114, pls. 3.
- WILLIAMSON, E. B.—The Dragon flies of Indiana. <Indiana Geol. Rep. 1899 (1900), pp. 229–333, pls. 7.
- CALVERT, P. P.—Odonata. <Biol. Cent.-Amer. Neuroptera, i, pp. 17–420, pls. 9, 1901–1908.
- MARTIN, R.—Cordulines. <Collections de Selys, Fasc. xvii, pp. 94, pls. 3, 1906.
- Eschnines. <Collections de Selys, Fasc. xviii, pp. 84, pls. 2, 1908.
- MUTTKOWSKI, R. A.—Review of the dragon flies of Wisconsin. <Bul. Wisc. Nat. Hist. Soc., vi, pp. 57–123, pls. 2, 1908.
- NEEDHAM, J. G.—Aquatic insects of the Adirondacks. <Bul. 47, N. Y. State Mus., pp. 429–540, pls. 10 and 17–25, 1901.
- Tables of adults and nymphs in the Anisoptera.
- Aquatic insects in New York State. <Bul. 68, N. Y. State Mus., pp. 218–279, pls. 5 and 11–19, 1903.
- Tables of adults and nymphs in the Zygoptera.
- WALKER, E. M.—A key to the North American species of *Eschna*, found north of Mexico. <Can. Ent., 1908, pp. 377–391, 450–452.
- A first list of Ontario Odonata. <Can. Ent., 1906, pp. 105–110, 149–154.
- WILLIAMSON, E. B.—The subgenus *Stylurus* Needh. <Trans. Amer. Ent. Soc., xxvii, pp. 205–216, pls. 2, 1901.
- The North American dragon flies (Odonata) of the genus *Macromia*. <Proc. U. S. Nat. Mus., xxxvii, pp. 369–398, pls. 2, figs. 7, 1909.

SIALIDÆ.

- DAVIS, K. C.—Sialididæ of North and South America. <Bul. 68, N. Y. State Mus., pp. 441–487, pls. 2, 1903.

RAPHIDIIDÆ.

ALBARDA, H.—Révision des Raphidides. <Tijd. voor Ent., 1891, pp. 65-184.

HEMEROBIDÆ.

HAGEN, H. A.—Hemerobidarum synopsis synonymica. <Stett. ent. Zeit., 1866, pp. 369-462.

——— Monograph of the Hemerobidæ. <Part I, Proc. Bost. Soc. Nat. Hist., xxiii, pp. 250-269, 1886; Part II, l. c., pp. 276-292.

Never completed.

BANKS, N.—Revision of the Nearctic Hemerobiidæ. <Trans. Amer. Ent. Soc., xxxii, pp. 21-51, pls. 3, 1906.

CHRYSIDÆ.

SCHNEIDER, G. TH.—Symbola ad monographiam generis Chrysopæ Leach. Vratislaviæ, 1851.

BANKS, N.—A revision of the Nearctic Chrysidæ. <Trans. Amer. Ent. Soc., xxix, pp. 137-162, pl. 1, 1903.

CONIOPTERYGIDÆ.

ENDERLEIN, G.—Fam. Coniopterygidae. <Gen. Ins., Fasc. 67, pp. 17, pls. 2, 1908.

BANKS, N.—A revision of the Nearctic Coniopterygidae. <Proc. Ent. Soc. Wash., viii, pp. 77-86, pls. 2, 1906.

MYRMELEONIDÆ.

HAGEN, H. A.—Stray notes on the Myrmeleonidæ. <Can. Ent., 1887, 1888. [Continued in several numbers.]

BANKS, N.—A classification of the North American Myrmeleonidæ. <Can. Ent., 1899, pp. 67-71.

ASCALAPHIDÆ.

VAN DER WEELE, H.—Ascalaphiden. <Collections de Selys, Fasc. viii, pp. 328, pls. 2, 1908.

A revision of the Ascalaphidæ of the world.

PANORPIDÆ.

WESTWOOD, J. O.—Monograph of the genus Panorpa. <Trans. Ent. Soc. Lond., iv, pp. 184-196, 1846.

HINE, J. S.—The North American species of the genus Bittacus. <Journ. Columbus Hort. Soc., xiii, pp. 11, pls. 2, 1899.

——— A review of the Panorpidæ of America, north of Mexico. <Bul. Sci. Lab. Denison Univ., xi, pp. 241-264, pls. 3, 1901.

TRICHOPTERA.

McLACHLAN, R.—A monographic revision and synopsis of the Trichoptera of the European fauna. London, 1874–1880.

Extremely valuable for the study of genera.

KOLENATI, F. A.—Genera et species Trichopterorum. 2 parts. Part 1, Prague, 1848; part 2, Moscow, 1859.

McLACHLAN, R.—Notes on North American Phryganidæ, with especial reference to those contained in the collection of the British Museum. <Ent. Annual for 1863, pp. 155–163.

Contains a list of North American Phryganids.

HAGEN, H. A.—Phryganidarum synopsis synonymica. <Verh. k. k. zool.-bot. Ges. Wien, xiv, pp. 799–890, 1864.

——— Beiträge zur Kenntniss der Phryganiden. <Verh. k. k. zool.-bot. Ges. Wien, xxiii, pp. 377–452, 1873.

EATON, A. E.—On the Hydroptilidæ, a family of the Trichoptera. <Trans. Ent. Soc. Lond., 1873, pp. 125–151.

Gives a list of the species and synopsis of genera.

BANKS, N.—Descriptions of new North American Neuropteroid insects. <Trans. Amer. Ent. Soc., xxv, pp. 199–218, 1898.

Contains a table of the genera of Leptoceridæ.

——— Descriptions of new Trichoptera. <Proc. Ent. Soc. Wash., viii, pp. 117–133, pls. 2, 1906.

Table of Sericostomatidæ and of Neuronina.

——— Description of new Nearctic Neuropteroid insects. <Trans. Amer. Ent. Soc., xxxii, pp. 1–20, pls. 2, 1906.

Table of Hydropsychidæ.

ULMER, G.—Trichoptera. <Gen. Ins., Fasc. 60, pp. 259, pls. 41, 1907.

MORTON, K. J.—North American Hydroptilidæ. <Bul. 86, N. Y. State Mus., pp. 63–75, 1905.

MALLOPHAGA.

DENNY, H.—Monographia Anoplurorum Britanniae. London, 1842, pls. 26.

GIEBEL, C. G. A.—Insecta epizoa. Die auf Säugethieren und Vögeln schmarotzenden Insekten. Nach Zeichnungen von C. L. Nitzsch. Leipzig, 1874, pls. 20.

PIAGET, E.—Les Pédiculines. Description de toutes les espèces observées, enrichie d'espèces nouvelles. Leyden, 1880, pls. 56; Supplement, 1885, pls. 17.

TASCHENBERG, O.—Die Mallophagen mit besonderer Berücksichtigung der von Meyer gesammelten Arten. Halle, 1882.

KELLOGG, V. L.—A list of the biting lice (Mallophaga) taken from birds and mammals of North America. <Proc. U. S. Nat. Mus., xxii, pp. 39–100, 1899.

Contains a bibliography and table to genera.

——— Mallophaga. <Gen. Ins., Fasc. 66, pp. 87, pls. 3, 1908.

MORSE, M. W.—Synopsis of North American Invertebrates. Trichodectidæ. <Amer. Nat., xxxvii, pp. 609–624, 1903.

THYSANURA.

VON DALLA TORRE, K. W.—Die Gattungen und Arten der Apterygogenea. <46 Program k. k. Staats-Gymnasium. Innsbruck, pp. 23, 1895.

A catalogue of the known species.

MACGILLIVRAY, A. D.—A catalogue of the Thysanura of North America. <Can. Ent., 1891, pp. 267–276.

PACKARD, A. S.—Synopsis of the Thysanura of Essex County, Mass., with descriptions of a few extralimital forms. <5th Ann. Rep. Trustees Peabody Acad. Sci. for the year 1872. Salem, 1873, pp. 23–51.

LUBBOCK, J.—Monograph of the Collembola and Thysanura. London, Ray Society, 1873.

The introduction gives the full bibliography up to date.

MACGILLIVRAY, A. D.—North American Thysanura. III. <Can. Ent., 1893, pp. 218–220.

Synopsis of family Japygidæ.

——— North American Thysanura. IV. <Can. Ent., 1893, pp. 313–318.

Synopses of families Aphoruridæ and Poduridæ.

——— North American Thysanura. V. <Can. Ent., 1894, pp. 105–110.

Synopses of Entomobryidæ and Smythuridæ.

——— The American species of *Isotoma*. <Can. Ent., 1896, pp. 47–58.

GUTHRIE, J. E.—The Collembola of Minnesota. <Geol. and Nat. Hist. Surv. Minn., 1903, pp. 1–110, pls. 16.

HANSEN, H. J.—The genera and species of the order Symphyla. <Quart. Journ. Micr. Sci., xlvii, pp. 1–100, pls. 7, 1903.

JACKSON, A. D.—Synopsis of the American species of the genus *Papirius*. <Ohio Nat., vii, pp. 159–177, 1907.

JACKSON, C. F.—Key to the families and genera of the order Thysanura. <Ohio Nat., vi, pp. 545–549, 1906.

SWENK, M. H.—A synopsis of the North American species of *Japyx*.
 <Journ. N. Y. Ent. Soc., 1903, pp. 129–132.

MYRIAPODA.

BOLLMAN, C. H.—The Myriapoda of North America. <Bul. 46,
 U. S. Nat. Mus., 1893.

A collection of his writings, edited by L. M. Underwood. A most necessary work, containing a catalogue of the species, tables of the genera, and a synopsis of the Scolopendridæ.

WOOD, H. C., Jr.—The Myriapoda of North America. <Trans.
 Amer. Phil. Soc., xiii, pp. 137–248, pls. 3, 1865.

This is the first and only monograph of the Myriapoda published in this country.

NEWPORT, G.—Monograph of the class Myriapoda, Order Chilopoda.
 <Trans. Linn. Soc. Lond., xix, pp. 265–302, 349–439, 1845.

KOCH, C. L.—Die Myriapoden. 2 vols. Halle, 1863.

UNDERWOOD, L. M.—The North American Myriapoda. <Ent. Amer.,
 i, pp. 141–151, 1885.

A bibliographical review of the subject, with tables of families and genera.

WOOD, H. C., Jr.—On the Chilopoda of North America, with Catalogue of all the specimens in the collection of the Smithsonian Institution. <Journ. Acad. Nat. Sci. Phila., new ser., v, pp. 5–42, 1863.

PACKARD, A. S.—A revision of the Lysiopetalidæ, a family of Chilog-nath Myriapoda, with a notice of the genus *Cambala*. <Proc. Amer. Phil. Soc., xxi, pp. 177–197, 1883.

COOK, O. F., and COLLINS, G. N.—The Craspedosomatidæ of North America. <Ann. N. Y. Acad. Sci., ix, pp. 1–100, pls. 12, 1895.

STUNBERG, A.—Lithobioidæ Americæ borealis. Öfversigt af Nord-Amerikas hittills kända Lithobiider. <Öfvers. K. Vet.-Acad. Förh., xxxii, pp. 23–32, 1875.

COOK, O. F., and COLLINS, G. N.—Notes on North American Myriapoda of the family Geophilidæ, with descriptions of three genera. <Proc. U. S. Nat. Mus., xiii, pp. 383–396, 1891.

Contains a table of the genera.

MEINERT, FR.—Myriopoda Musei Cantabrigensis, Mass. Part I. Chilopoda. <Proc. Amer. Phil. Soc., 1885, pp. 161–233.

Of great value for the study of classification, though containing no synopses.

KENYON, F. C.—The morphology and classification of the Pauropoda. <Tufts College Studies, iv, 1895.

KRAEPELIN, K.—Revision der Scolopendriden. <Jahrb. Hamb. Anst. 2 Beiheft. Mitt. Mus. Hamburg, pp. 1–276, figs. 160, 1903.

ARACHNIDA.

I.—CATALOGUES.

MARX, G.—Catalogue of the described Araneae of temperate North America. <Proc. U. S. Nat. Mus., xii, pp. 497–594, 1890.
Includes a bibliography.

II.—COMPREHENSIVE WORKS.

HAHN, C. W., and KOCH, C. L.—Die Arachniden. Nürnberg, 1831–1848, 16 vols., with 563 pls.

DE WALCKENAER, C. A.—Histoire naturelle des Insectes. Suites à Buffon. Aptères. Paris, 1837–1847, II, 4 vols., with 52 pls.

The first work on general classification of this order, and many North American species are described from drawings by Bosc and Abbot.

SIMON, E.—Histoire naturelle des Araignées. Paris, 2 vols., 1893–1902.

Tables to all the genera.

HENTZ, N. M.—Araneae Americae septentrionalis. The Spiders of the United States. Edited by J. H. Emerton and E. Burgess. <Occasional Papers of the Boston Society of Natural History, 1875.

A reprint of Hentz's papers on North American spiders.

SIMON, E.—Les Arachnides de France. Paris, Vols. I–V and VII, 1874–1884.

This work represents a recent system of classification, and is therefore of great general value, although it deals only with the European fauna.

KEYSERLING, E.—Neue Spinnen aus Amerika. 7 parts. <Verh. k. k. zool.-bot. Ges. Wien, Vols. xxix–xxxiv, 1879–1887.

BANKS, N.—A classification of the North American Spiders. <Can. Ent., 1892, pp. 88–97.

———Synopsis of North American Invertebrates. Families and genera of Araneida. <Amer. Nat., xxxix, pp. 293–323, 1905.

COMSTOCK, J. H.—A classification of North American Spiders. Ithaca, N. Y., pp. 55, 1903.

WARBURTON, C.—The Cambridge Natural History, Vol. IV, Arachnida. pp. 295–473, 1909.

EMERTON, J. H.—Common spiders of the United States. Boston, 1902, pp. 225, many figures.

BRYANT, E. B.—List of the Araneida. Fauna of New England, 9. <Occ. Papers, Bost. Soc. Nat. Hist., viii, pp. 105.

III.—MONOGRAPHS AND SYNOPSES.

Aranææ.

THERAPHOSIDÆ.

SIMON, E.—Liste des espèces de la famille des Aviculariides de l'Amérique du Nord. <Actes Soc. Linn. Bordeaux, XLIV, pp. 307–339, 1892.

AUSSERER, A.—Beiträge zur Kenntniss der Arachniden-Familie der Territelariæ Thorell. <Verh. k. k. zool.-bot. Ges. Wien, XXI, pp. 117–224, 1871.

——— Zweiter Beitrag zur Kenntniss der Arachniden-Familie der Territelariæ Thorell. <Verh. k. k. zool.-bot. Ges. Wien, XXV, pp. 125–206, 1875.

DYSDERIDÆ.

BANKS, N.—Notes on the Dysderidae of the United States. <Can. Ent., 1891, pp. 207–209.

KEYSERLING, E.—Amerikanische Spinnen aus den Familien Pholcoidæ, Scytodoidæ und Dysderoidæ. <Verh. k. k. zool.-bot. Ges. Wien, XXVII, pp. 205–234, 1877.

DRASSIDÆ.

KOCH, C. L.—Die Arachniden-Familie der Drassiden. Nürnberg, 1866–1868.

EMERTON, J. H.—New England Spiders of the families Drassidæ, Agalenidæ, and Dysderidæ. <Trans. Conn. Acad. Arts Sci., VIII, pp. 1–40, 1890.

DICTYNIDÆ.

EMERTON, J. H.—New England Spiders of the family Ciniflonidæ. <Trans. Conn. Acad., VII, pp. 443–460, 1888.

EPEIRIDÆ.

KEYSERLING, E.—Beschreibung neuer und wenig bekannter Arten aus der Familie Orbitelæ Latr. oder Epeiridæ Sund. <Sitzungsber. naturw. Ges. Isis in Dresden, 1863 (1864), pp. 63–154.

EMERTON, J. H.—New England Spiders of the family Epeiridæ. <Trans. Conn. Acad., VI, pp. 295–342, 1884.

KEYSERLING, E.—Die Spinnen Amerikas. IV. Epeiridæ. Nürnberg, 1892–1893.

MCCOOK, H. C.—American Spiders and their spinning work. Philadelphia, 1889–1893.

Third volume contains the Epeiridæ.

BANKS, N.—Notes on Spiders. <Journ. N. Y. Ent. Soc., 1893, pp. 123–134.

Contains a synopsis of part of the Tetragnathinae.

THERIDIIDÆ.

CAMBRIDGE, O. P.—On some new species of *Erigone* from North America. Two parts. <Proc. Zool. Soc. Lond., 1874, pp. 428–442; 1875, pp. 393–405.

EMERTON, J. H.—New England Spiders of the family Therididæ. <Trans. Conn. Acad., vi, pp. 1–86, 1882.

KEYSERLING, E.—Die Spinnen Amerikas. II. Therididæ. 1. Hälfte. Nürnberg, 1884; 2. Hälfte, Nürnberg, 1886, pp. 517, pls. 21.

BANKS, N.—New species of Theridiidæ. <Can. Ent., 1908, pp. 205–208.

Table of Euryopsis.

CROSBY, C. R.—A catalogue of the *Erigoneæ* of North America, with notes and descriptions of new species. <Proc. Acad. Nat. Sci. Phila., 1905, pp. 301–343, pls. 2.

THOMISIDÆ.

KEYSERLING, E.—Die Spinnen Amerikas. Laterigradæ. Nürnberg, 1880, pp. 283, pls. 8.

EMERTON, J. H.—New England Spiders of the family Thomisidæ. <Trans. Conn. Acad., viii, pp. 359–381, pls. 5, 1892.

LYCOSIDÆ.

KEYSERLING, E.—Ueber amerikanische Spinnen-Arten der Unterordnung Citigradæ. <Verh. k. k. zool.-bot. Ges. Wien, xxxvi, pp. 609–708, 1876.

EMERTON, J. H.—New England Spiders of the family Lycosidæ. <Trans. Conn. Acad., vi, pp. 481–505, 1885.

MONTGOMERY, T. L.—Descriptions of North American Araneæ of the families Lycosidæ and Pisauridæ. <Proc. Acad. Nat. Sci. Phila., 1904, pp. 261–323, pls. 3.

CHAMBERLIN, R. I.—Revision of North American spiders of the family Lycosidæ. <Proc. Acad. Nat. Sci. Phila., 1908, pp. 157–318, pls. 16.

ATTIDÆ.

PECKHAM, G. W. and E. G.—North American Spiders of the family Attidæ. <Trans. Wisc. Acad., vii, 1888.

EMERTON, J. H.—New England Spiders of the family Attidæ. <Trans. Conn. Acad., viii, pp. 220–251, pls. 6, 1891.

- PECKHAM, G. W. and E. G.—Pellenes and some other genera of the family Attidæ. <Bul. Wisc. Nat. Hist. Soc., i, pp. 195–233, pls. 2, 1901.
- Spiders of the Phidippus group of the family Attidæ. <Trans. Wisc. Acad., xiii, pp. 282–346, pls. 6, 1900.
- Revision of the Attidæ of North America. <Trans. Wisc. Acad., xvi, pp. 355–596, pls. 24, 1909.

Arthrogastra.

- UNDERWOOD, L. M.—A preliminary list of the Arthrogastra of North America (excluding Mexico). <Can. Ent., xvii, pp. 162–169, 1885.
- BANKS, N.—The Scorpions, Solpugids, and Pedipalpi. <Amer. Nat., 1900, pp. 421–428.

SOLPUGIDÆ.

- SIMON, E.—Essai d'une classification des Galéodes. <Ann. Soc. Ent. France, 1879, pp. 93–154.
- PUTNAM, J. D.—The Solpugidæ of America. Arranged for publication by Herbert Osborn. <Proc. Davenport Acad. Nat. Sci., iii, pp. 149 ff, 1882.

This monograph remains incomplete on account of the death of the author. It contains a complete bibliography on the family.

- KRAEPELIN, K.—Palpigradi und Solifugæ. <Das Tierreich, Lief. 12, pp. 159, 1901.

SCORPIONIDÆ.

- WOOD, H. C.—Descriptions of new species of North American Pedipalpi. <Proc. Acad. Nat. Sci. Phila., 1863, pp. 107–112.
- On the Pedipalpi of North America. <Journ. Acad. Nat. Sci. Phila., v, pp. 357–376, Pl. XL, 1863.
- THORELL, T.—On the classification of Scorpions. <Ann. and Mag. Nat. Hist., xvii, pp. 1–15, 1876.
- Études Scorpologiques. <Act. Soc. Ital. Sci. Nat., xix, pp. 75–272, 1877.
- KRAEPELIN, K.—Revision der Scorpione. <Jahrb. Hamb. Anst., I. Vol. viii, pp. 1–144, 1891; II, Vol. xi, pp. 1–248, 1894.
- Scorpiones und Pedipalpi. <Das Tierreich, 8 Lieferung, 1899, pp. 265.
- Revision der Tarantuliden. <Abh. Ver. Hamburg, xiii, pp. 1–53, 1895.
- Revision der Uropygi. <Abh. Ver. Hamburg, xv, pp. 60. 1897.

CHERNETIDÆ.

- BANKS, N.—Notes on the Pseudoscorpionida. <Journ. N. Y. Ent. Soc., 1895, pp. 1-13.
- COOLIDGE, K. R.—A list of North American Pseudoscorpionida. <Psyche, 1908, pp. 108-114.

PHALANGIDÆ.

- WOOD, H. C.—On the Phalangæ of the United States of America. <Commun. of the Essex Inst., vi, pp. 10-40, 1868.
- THORELL, T.—Conspectus familiarum et generum Europæorum ordinis Opilionum. <Ann. Mus. civ. d. Storia nat. Genova, 1876, pp. 462 ff.
- BANKS, N.—The Phalangina of the United States. <Can. Ent., 1893, pp. 205-211.
- The Nemastomatidæ and Trogulidæ of the United States. <Psyche, 1894, pp. 11-12, 51-52.
- The Phalangida Mecostethi of the United States. <Trans. Amer. Ent. Soc., xx, pp. 149-152, 1893.
- WEED, C. M.—A descriptive catalogue of the harvest spiders (Phalangiidæ) of Ohio. <Proc. U. S. Nat. Mus., xvi, pp. 543-563, 1893.
- BANKS, N.—Synopsis of North American Invertebrates. The Phalangida. <Amer. Nat., xxxv, pp. 669-679, 1901.

Acarina.

- BANKS, N.—A treatise on the Acarina, or mites. <Proc. U. S. Nat. Mus., xxviii, pp. 1-114, 1904.
- A catalogue of the Acarina, or mites, of the United States. <Proc. U. S. Nat. Mus., xxxii, pp. 595-625, 1907.
- OSBORN, H., and UNDERWOOD, L. M.—Preliminary list of the species of Acarina of North America. <Can. Ent., 1886, pp. 4-12.
- BERLESE, A.—Acari Miripodi e Scorpioni Italiani. Padova, 1882, to date.
- Four volumes are completed, Prostigmata, Cryptostigmata, Mesostigmata, and Sarcoptidæ; other parts are in progress.
- Contains tables to the genera, and figures all Italian species.
- CANESTRINI, G.—Prospetto dell'Acarofauna Italiana. Padova. 7 parts. 1885-1897.
- Very valuable for classification.
- TROUSSART, E.—Considerations générales sur la classification des Acariens. <Revue Sci. Nat. de l'Ouest. Paris, ii, pp. 20-54, 1892.

- MURRAY, A.—Economic Entomology. Aptera. <South Kensington Museum Science Handbooks, London and New York, 1877.
- MÉGNIN, P.—Mémoire sur les Cheylétides Parasites. <Journ. d'Anatomie et de Physiologie, 1878, pp. 1 ff.
- Les Parasites et les maladies parasitaires chez l'homme, les animaux domestiques et les animaux sauvages avec lesquels ils peuvent être en contact. Insectes, Arachnides, Crustacés. Paris, 1880.
- NICOLET, H.—Histoire naturelle des Acariens qui se trouve aux environs de Paris. <Archives du Muséum d'histoire nat. de Paris, VII, 1854–55.
- GIEBEL, C. G.—Insecta Epizoa. Die Parasiten der Säugethiere und Vögel. Leipzig, 1874.
- MÉGNIN, P.—Mémoire sur les Métamorphoses des Acariens en général et en particulier sur celles des Trombidions. <Ann. des Sci. Nat., sér. 6, IV, Article 5, 1876.
- Mémoire sur l'organisation et la distribution zoologique des Acariens de la famille des Gamasides. <Journ. d'Anatomie et de Physiologie, 1876, pp. 288–336.
- Monographie de la tribu des Sarcoptides Psorique, subdivision de la famille des Sarcoptides, ordre des Acariens. <Revue et Magasin de Zoologie, 1877.
- BANKS, N.—Some new American Acarina. <Trans. Amer. Ent. Soc., XXI, pp. 209–222, 1894.
- Synopses of the Erythræidæ, Trombidiidæ, Rhyncholophidæ, Bdellidæ, and Eupodidæ.
- On the Oribatoidea of the United States. <Trans. Amer. Ent. Soc., XXII, pp. 1–16, 1895.
- MICHAEL, A. D.—Oribatidæ. <Das Tierreich, 3 Lieferung, 1898, pp. 93.
- NEUMANN, G.—Révision de la famille des Ixodidés. <Mém. Soc. Zool. France, 1896, pp. 1–44; 1897, pp. 324–420; 1899, pp. 120–230; 1901, pp. 249–372.
- TYRRELL, J. B.—On some Canadian ectoparasitic Sarcoptidæ. <Ottawa Field-Nat. Club, Trans., 3, 1882.
- GARMAN, H.—The Phytopti and other injurious plant mites. <12th Rep. State Ent. on the Nox. and Benef. Ins. State of Ill., 1883, pp. 123–143.
- NALEPA, A.—Eriophyidæ (Phytoptidæ). <Das Tierreich, 4 Lieferung, 1898, pp. 74.
- No reference to the American species.

- BANKS, N.—The Red Spiders of the United States (*Tetranychus* and *Stigmaeus*). <Tech. ser. 8, Div. Ent., U. S. Dept. Agr., 1909, pp. 65–77.
- KOENIKE, F.—Nordamerikanische Hydrachniden. <Abh. Ver. Bremen, xiii, pp. 167–226, 1900.
- WALCOTT, R. H.—On the North American species of the genus *Atax*. <Trans. Amer. Micr. Soc., xx, pp. 193–259, 1899.
- On the North American species of the genus *Curvipes*. <Trans. Amer. Micr. Soc., xxiii, pp. 201–256, pls. 5, 1902.
- On the North American species of *Limnesia*. <Trans. Amer. Micr. Soc., xxiv, pp. 139–161, pls. 2, 1903.
- MARSHALL, R.—Ten species of *Arrenuri* belonging to the subgenus *Megalurus* Thon. <Trans. Wisc. Acad., xiv (1), pp. 145–172, pls. 5, 1904.
- PIERSIG, R., and LOHMANN, H.—Hydrachnidae und Halacaridae. <Das Tierreich, 13 Lieferung, pp. 336, 1901.
- BANKS, N.—A revision of the Tyroglyphidae of the United States. <Tech. ser. 13, Bur. Ent., U. S. Dept. Agr., 1906, pp. 34, pls. 6.
- A revision of the Ixodoidea, or ticks, of the United States. <Tech. ser. 15, Bur. Ent., U. S. Dept. Agr., 1908, pp. 61, pls. 10.
- EWING, H. E.—The Oribatoidea of Illinois. <Bul. Ill. State Lab. Nat. Hist., vii, pp. 337–389, 1909.

WORKS ON ECONOMIC ENTOMOLOGY.

- HARRIS, T. W.—Insects injurious to vegetation. (Flint edition.) New York. (First edition, Cambridge, 1841.)
- FITCH, ASA.—Reports of the state entomologist of New York. I–XIV. Albany, 1855–1870. (For a full account of these, see First Annual Report, by J. A. Lintner, state entomologist of New York, pp. 294–297.)
- THE PRACTICAL ENTOMOLOGIST. Vols. I and II. Published by the Entomological Society of Philadelphia, 1865–1867.
- THE AMERICAN ENTOMOLOGIST, edited by B. D. Walsh and C. V. Riley. Vol. I. Saint Louis, Mo., 1868.
- THE AMERICAN ENTOMOLOGIST AND BOTANIST, edited by C. V. Riley and Dr. George Vasey. Vol. II. Saint Louis, Mo., 1870.
- THE AMERICAN ENTOMOLOGIST, edited by C. V. Riley. Vol. III [Second series, Vol. I.] New York, 1880.
- WALSH, B. D.—Annual report on the noxious insects of the State of Illinois. Chicago, 1868.
- RILEY, C. V.—Reports of the state entomologist of Missouri. I–IX. Jefferson City, 1869–1877.

- LE BARON, W.—Reports of the state entomologist of Illinois. I–IV. Springfield, 1871–1874.
- THOMAS, CYRUS.—Reports of the state entomologist of Illinois. I–VI. Springfield, 1876–1881.
- LINTNER, J. A.—Reports of the state entomologist of New York. I–XIII. Albany, 1882–1897. Continued by E. P. Felt.
- FORBES, S. A.—Reports of the state entomologist of Illinois. I–XXIV. Springfield, 1883–1908.
- SAUNDERS, W.—Insects injurious to fruits. Philadelphia, 1883. 2d edition, 1909.
- SMITH, J. B.—Our insect friends and enemies. Philadelphia, 1909, pp. 314.
- SANDERSON, E. D.—Insects injurious to staple crops. New York, 1902, pp. 295.
- CHITTENDEN, F. H.—Insects injurious to vegetables. New York, 1907, pp. 262.
- JOHNSON, W. G.—Fumigation methods. New York, 1902, pp. 313.
- SMITH, J. B.—Economic entomology. Philadelphia, 1896. Second edition, 1906.
- WEED, C. M.—Insects and insecticides. Hanover, N. H., 1891.
- REPORTS of the Entomologists of the U. S. Department of Agriculture, T. Glover (1863–1878); J. H. Comstock (1879–1880); C. V. Riley (1878–1879, 1880–1894); L. O. Howard (1894, to date).
- REPORTS and Bulletins of the U. S. Entomological Commission.
- BULLETINS on entomological subjects of the various experiment stations. Many of them can still be obtained on application.
- CURTIS, JOHN.—Farm insects. London, 1860.
- ORMEROD, E. A.—Manual of injurious insects, and methods of prevention. London and Edinburgh, 1881.
- Handbook of insects injurious to orchard and bush fruits. London, 1898.
- KALTENBACH, J. H.—Die Pflanzenfeinde aus der Classe der Insekten. Stuttgart, 1874.
- A useful work for determining what insects infest plants in Europe.
- RATZBURG, J. T. C.—Die Forst-Insekten. Berlin, 1839–1844, 3 vols.
- JUDEICH, J. F. u. NITSCHKE, H.—Lehrbuch der Mitteleuropaischen Forstinsektenkunde. Vienna, 1895, 2 vols.
- GILLANDERS, A. T.—Forest entomology. Edinburgh, 1908, pp. 422.
- BOISDUVAL, J. A.—Essai sur l'entomologie horticole. Paris, 1867, pp. 648.
- LUCET, E.—Les insectes nuisibles aux rosiers. Paris (2nd edition), 1900, pp. 380, pls. 13.

PUBLICATIONS dealing with entomology issued by the Department of Agriculture.

A list (Circular 76) of these may be obtained by applying to the Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C.

WORKS ON MEDICAL ENTOMOLOGY.

NUTTALL, G. H. F.—The rôle of Insects, Arachnids, and Myriapods as carriers of human and animal diseases which are produced by bacteria and animal parasites. <Johns Hopkins Hosp. Repts., viii, pp. 152, 1898.

MAROTEL, G.—Le rôle actuel des Arthropodes en pathologie. <Ann. Soc. Agr. Sci. Indus. Lyon, 1906 (1907), pp. 279–302.

MANSON, P.—Tropical diseases. New York, 1904, pp. 756.

BRAUN, M.—The animal parasites of man. London, edited by Theobald & Sambon, 1907.

VAN BENEDEN, P. J.—Animal parasites and mess-mates. New York, 1876. International Scientific Series.

BLANCHARD, R.—Traité de zoologie médicale. Paris, 1890. Second volume, pp. 883.

DUBREUILH, W., et BEILLE, L.—Les parasites animaux de la peau humaine. Paris, 1896.

SERGEANT, E.—Détermination des insectes piqueurs et suceurs de sang. Paris, 1909, pp. 320, figs. 329.

MÉGNIN, J. P.—La faune des cadavres: application de l'entomologie à la médecine légale. Paris, 1894, pp. 214.

HOWARD, L. O.—A contribution to the study of the insect fauna of human excrement. <Proc. Wash. Acad. Sci., ii, pp. 541–604, 1900.

HUBER, J. C.—Bibliographie der klinischen entomologie. Jena, 1899–1900, 4 hefte.

GERHARD, W. P.—Bibliography of flies and mosquitoes in relation to disease. <Ent. News, 1909, pp. 84–89, 207–211.

GRÜNBERG, K.—Die blüt-saugenden Dipteren. Jena, 1907, pp. 188, ills.

AUSTEN, E. E.—Illustrations of British blood-sucking flies. British Museum, London, 1906, pp. 74, pls. 34.

BLANCHARD, R.—Les moustiques, histoire naturelle et médicale, Paris, 1905, pp. 673.

HOWARD, L. O.—Mosquitoes: how they live: how they carry disease; how they are classified; how they may be destroyed. New York, 1901, pp. 241, ills.

- STERNBERG, G. W.—Transmission of yellow fever by mosquitoes. <Smithsonian Ann. Rep., 1900, pp. 657–673, 1901.
- STEPHENS, J. W. W., and CHRISTOPHERS, S. R.—The practical study of malaria and other blood parasites. London, 1908, pp. 414.
- SAMBON, L. A.—Ticks and tick fevers. <Journ. Trop. Med., II, pp. 217–223, 1900.
- CALKINS, G. N.—Protozoology. New York and Philadelphia, 1909, pp. 358.

THE MORE IMPORTANT PERIODICALS CITED IN THIS BULLETIN.

AMERICAN PERIODICALS.

- THE AMERICAN NATURALIST. A monthly journal devoted to the natural sciences in their widest sense. Begun in 1867. Now issued at New York.
- ANNALS OF THE NEW YORK ACADEMY OF SCIENCE. New York, N. Y. Begun in 1877.
- ANNALS OF THE LYCEUM OF NATURAL HISTORY OF NEW YORK. Eight volumes. 1824–1867.
- ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA. Columbus, Ohio. Begun in 1908.
- BULLETIN OF THE BROOKLYN ENTOMOLOGICAL SOCIETY. Seven volumes. 1878–1885.
- BULLETIN OF THE AMERICAN MUSEUM OF NATURAL HISTORY. New York, N. Y. Begun in 1881.
- BULLETIN OF THE BUFFALO SOCIETY OF NATURAL HISTORY. Beginning with 1874. Each volume covers several years.
- BULLETIN OF THE UNITED STATES NATIONAL MUSEUM. Beginning with 1875. Washington, D. C.
- BULLETIN OF THE ILLINOIS STATE LABORATORY OF NATURAL HISTORY. Urbana, Ill. Begun in 1876. Each volume covers several years.
- BULLETIN OF THE WISCONSIN NATURAL HISTORY SOCIETY. Milwaukee, Wis. Begun in 1900.
- BULLETINS OF THE UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES, F. V. Hayden in charge. Department of the Interior. Beginning with 1875.
- ENTOMOLOGICAL NEWS, and proceedings of the entomological section of the Academy of Natural Sciences. Philadelphia, Pa. Commenced in 1890.
- ENTOMOLOGICA AMERICANA. Published by the Brooklyn Entomological Society, at Brooklyn, N. Y. 1885–1890.

JOURNAL OF THE NEW YORK ENTOMOLOGICAL SOCIETY. New York, N. Y. Commenced in 1893.

JOURNAL OF ECONOMIC ENTOMOLOGY. Concord, N. H. Begun in 1908.

JOURNAL OF THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA. Commenced in 1817.

MEMOIRS OF THE BOSTON SOCIETY OF NATURAL HISTORY. Commenced in 1866.

OCCASIONAL MEMOIRS OF THE CHICAGO ENTOMOLOGICAL SOCIETY. Commenced in 1900.

PAPILIO. Devoted exclusively to Lepidoptera. Organ of the New York Entomological Club. Four volumes. 1881-1884.

PROCEEDINGS OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES. Boston, Mass. Begun in 1846.

PROCEEDINGS OF THE BOSTON SOCIETY OF NATURAL HISTORY. Commencing with 1841.

PROCEEDINGS OF THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA. Beginning with 1841.

PROCEEDINGS OF THE AMERICAN PHILOSOPHICAL SOCIETY OF PHILADELPHIA. Commencing with 1860.

PROCEEDINGS OF THE CALIFORNIA ACADEMY OF SCIENCES. San Francisco, Cal. Since 1854.

PROCEEDINGS OF THE DAVENPORT ACADEMY OF NATURAL SCIENCES. Davenport, Iowa. Begun in 1876.

PROCEEDINGS OF THE ENTOMOLOGICAL SOCIETY OF PHILADELPHIA. Six volumes. 1861-1867.

PROCEEDINGS OF THE UNITED STATES NATIONAL MUSEUM. Washington, D. C. Beginning with 1878.

PROCEEDINGS OF THE ENTOMOLOGICAL SOCIETY OF WASHINGTON. Washington, D. C. Begun in 1884.

PROCEEDINGS OF THE WASHINGTON ACADEMY OF SCIENCE. Washington, D. C. Begun in 1899.

PROCEEDINGS OF THE IOWA ACADEMY OF SCIENCES. Des Moines, Iowa. Begun in 1887.

PSYCHE. Organ of the Cambridge Entomological Club. Cambridge, Mass. Begun in 1874.

PUBLICATIONS OF THE CARNEGIE INSTITUTION OF WASHINGTON. Since 1900.

REPORTS OF THE UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES. Department of the Interior. Beginning with 1867.

SMITHSONIAN MISCELLANEOUS COLLECTIONS. Smithsonian Institution, Washington, D. C. Beginning with 1862. Now published quarterly. .

THE CANADIAN ENTOMOLOGIST. Edited by William Saunders and lately by C. J. S. Bethune. Guelph, Ontario, Canada. Begun in 1868.

THE ENTOMOLOGICAL STUDENT. Philadelphia. April, 1900. Only one volume.

THE KANSAS UNIVERSITY QUARTERLY. Lawrence, Kans. Begun in 1892.

THE OHIO NATURALIST. Columbus, Ohio. Begun in 1901.

TRANSACTIONS OF THE ACADEMY OF SCIENCE OF SAINT LOUIS. Begun in 1856.

TRANSACTIONS OF THE AMERICAN ENTOMOLOGICAL SOCIETY and Proceedings of the Entomological Section of the Academy of Natural Sciences. Philadelphia, Pa. Beginning with 1868.

TRANSACTIONS OF THE AMERICAN PHILOSOPHICAL SOCIETY OF PHILADELPHIA. Second series beginning with 1818.

TRANSACTIONS OF THE KANSAS ACADEMY OF SCIENCES. Topeka, Kans. Begun in 1874.

FOREIGN PERIODICALS.

ANNALES DE LA SOCIÉTÉ ENTOMOLOGIQUE DE BELGIQUE. Brussels. Beginning with 1860.

ANNALES DE LA SOCIÉTÉ ENTOMOLOGIQUE DE FRANCE. Paris. Beginning with 1832.

ANNALES DES SCIENCES NATURELLES. Paris. Commencing with 1824.

ANNALEN D. K. K. NATURHISTORISCHEN HOFMUSEUMS. Wien. Since 1886.

ANNALS AND MAGAZINE OF NATURAL HISTORY. London. Beginning with 1838. Two volumes are issued each year.

ARCHIV FÜR NATURGESCHICHTE. Berlin. Beginning with 1835.

BERLINER ENTOMOLOGISCHE ZEITSCHRIFT. Berlin. Commencing with 1857.

BULLETTINO DELLA SOCIETA ENTOMOLOGICA ITALIANA. Firenze. Begun in 1869.

DEUTSCHE ENTOMOLOGISCHE ZEITSCHRIFT. Berlin. Beginning with 1881.

ENTOMOLOGISCHE LITTERATURBLÄTTER. Berlin. Begun in 1902. Monthly lists of entomological literature.

ENTOMOLOGISK TIDSKRIFT. Stockholm. Begun in 1880.

- ENTOMOLOGISCHE ZEITUNG. Stettin, Germany. Beginning with 1840.
- HOE'S SOCIETATIS ENTOMOLOGICÆ ROSSICÆ. St. Petersburg. Begun in 1861.
- ILLUSTRIERTE WOCHENSCHRIFT (later Zeitschrift) FÜR ENTOMOLOGIE. Neudamm, Germany. 1896-1900. Continued as "Zeitschrift für wissenschaftliche Insektenbiologie."
- LINNEA ENTOMOLOGICA. Sixteen volumes. Berlin, 1846-1866.
- MITTHEILUNGEN DER SCHWEIZERISCHEN ENTOMOLOGISCHEN GESELLSCHAFT. Bulletin de la Société entomologique suisse. Geneva. Begun in 1865. Each volume covers several years.
- NOVITATES ZOOLOGICÆ. London. Begun in 1894.
Organ of the Tring Museum.
- ÖFVERSIGT AF KONGL. SVENSKA VETENSKAPS AKADEMIENS FÖRHANDLINGAR. Beginning with 1844. Stockholm.
Proceedings of the Royal Swedish Academy of Sciences.
- REDI. GIORNALE DI ENTOMOLOGIA. Firenze, Italy. Begun in 1903.
- REVUE D'ENTOMOLOGIE, PUBLIÉE PAR LA SOCIÉTÉ FRANÇAISE D'ENTOMOLOGIE. Caen, France. Begun in 1882.
- REVUE ET MAGASIN DE ZOOLOGIE PURE ET APPLIQUÉE. Paris. Beginning with 1839.
- SITZUNGSBERICHTE DER MATHEMATISCH-NATURWISSENSCHAFTLICHEN CLASSE DER KAISERLICHEN AKADEMIE DER WISSENSCHAFTEN ZU WIEN. Beginning with 1848. Vienna.
- THE ENTOMOLOGISTS' MONTHLY MAGAZINE. London. Beginning with 1864.
- THE ENTOMOLOGIST. London. Beginning with 1864.
- THE ENTOMOLOGIST'S RECORD AND JOURNAL OF VARIATION. London. Begun in 1890.
- THE JOURNAL OF ECONOMIC BIOLOGY. London. Begun in 1906.
- TJDSCHRIFT VOOR ENTOMOLOGIE. 's Gravenhage, Holland. Begun in 1858.
- TRANSACTIONS OF THE LONDON ENTOMOLOGICAL SOCIETY. Beginning with 1836.
- TRANSACTIONS OF THE LINNEAN SOCIETY OF LONDON. Beginning with 1791. Also issue a "Proceedings."
- VERHANDLUNGEN DER ZOOLOGISCH-BOTANISCHEN GESELLSCHAFT IN WIEN. Beginning with 1852. Vienna.
- WIENER ENTOMOLOGISCHE ZEITUNG. Vienna. Begun in 1882.
- ZEITSCHRIFT FÜR DIE ENTOMOLOGIE. Herausgegeben von E. F. Germar. Five volumes. Leipzig, 1839-1844.
- ZEITSCHRIFT FÜR WISSENSCHAFTLICHE ZOOLOGIE. Leipzig. Beginning with 1848.

ZEITSCHRIFT FÜR WISSENSCHAFTLICHE INSEKTENBIOLOGIE. Berlin. A continuation of the "Allgemeine Zeitschrift für Entomologie." Begun in 1901.

Contains lists of recent literature and many reviews.

ZOOLOGISCHER ANZEIGER. Leipzig, Germany. Begun in 1876.

Contains bibliography of recent literature.

HOW TO OBTAIN ENTOMOLOGICAL BOOKS AND PAMPHLETS.

Comparatively few of the works treating of the classification of North American insects have been published as separate books; but such as have been so published, if of recent date, can be obtained through the regular book trade. By far the greater number of the monographs and synopses mentioned in the preceding pages have been published in scientific periodicals and transactions of scientific societies. These periodicals and transactions can be obtained through the societies which publish them and through the publishers; but, in the case of transactions, single volumes, and more especially single papers, are seldom sold, and the older volumes are likely to be out of print. Moreover, the expense attending the purchase of all of the periodicals containing the publications on a given order of insects will be so great as to put them beyond the reach of most entomologists. The custom of placing at the disposal of authors a number of separate copies of their papers overcomes this difficulty to some extent and creates a small supply. Thus it often happens that a person interested can obtain a copy of a scientific paper by addressing the author personally. Many of these separate copies also get into the possession of dealers in second-hand books, and can be purchased from them. The American Entomological Society, Philadelphia, Pa., the Entomological Society of Washington, and a few other societies here and in Europe offer for sale from their duplicates many of these authors' extras, and in some cases publish lists. There are, moreover, certain business establishments which make a specialty of the sale of works and pamphlets on natural history, including entomology, and it is chiefly through these dealers that the student is enabled to secure the larger portion of the works. All of those publishing catalogues of entomological books and pamphlets are included in the following list:

J. B. Ballière et fils, 19 Rue Hautefeuille, Paris, France.

The Brooklyn Book Exchange, 176 Clarkson St., Brooklyn, N. Y.

The Brownell Book Co., 11 East 59 St., New York, N. Y.

S. Calvary & Co., Neue Wilhelmstr. 1, Berlin NW. 7, Germany.

F. L. Dames, Voss-Strasse 32, Berlin, Germany.

Dulau & Co., 37 Soho Square, London, W., England.

The Franklin Bookshop, 920 Walnut st., Philadelphia, Pa.

R. Friedlaender & Sohn, Carlstrasse 11, Berlin, Germany.

-Georg & Co., Freiestrasse 10, Basel, Switzerland.

William J. Gerhard, 2209 Callowhill St., Philadelphia, Pa.
 A. Hermann & fils, 6 Rue de la Sorbonne, Paris, France.
 Ernst Heyne, Hospitalstrasse 2, Leipzig, Germany.
 U. Hoepli, Corso Vitt. Eman. 37, Milan, Italy.
 W. Junk, Berlin, W. 15, Kurfürstendamm 20, Germany.
 Paul Klincksieck, 3 rue Corneille, Paris, France.
 Knickerbocker Book Shop, 45 West 34th street, New York, N. Y.
 K. F. Koehler's Antiquarium, Kurprinzstrasse 6, Leipzig, Germany.
 Jacques Lechevalier, 23 Rue Racine, Paris VI^e, France.
 List & Francke, Thalstrasse 2, Leipzig, Germany.
 Dr. H. Lüneberg's Sortiment u. Antiquariat, Karlstrasse 4, Munich, Germany.
 Martinus Nijhoff, Nobelstraat 18, The Hague, Holland.
 G. E. Stechert & Co., 129-133 West 20th st., New York, N. Y.
 Max Weg, Leplaystrasse 1, Leipzig, Germany.
 Oswald Weigel, Königsstrasse 1, Leipzig, Germany.
 John Weldon & Co., 38 Great Queen street, London, England.
 H. Welter, Rue Bernard-Palissy No. 4, Paris, France.
 William Wesley & Son, 28 Essex street, Strand, London, England.
 Winkler & Wagner, XVIII, Dittesgasse Nr. 11, Vienna, Austria.
 Von Zahn & Jaensch, Waisenhausstrasse 10, Dresden, Germany.
 Hermann Ulrich, Schützenstrasse 46, Steglitz bei Berlin, Germany.

A not inconsiderable portion of the North American literature on the classification of insects has been published by the General Government through various channels, and foremost among them are the Smithsonian Institution, the U. S. Department of Agriculture, the U. S. National Museum, the U. S. Geological and Geographical Survey, and the reports of the various surveys of the Territories. Many of these publications are distributed free of cost to anyone applying for them; while others are sold at a moderate price to cover the cost of publication. Many of them are out of print, and can only be obtained through natural history book dealers.

The state reports of Lintner and Forbes may be obtained from the secretaries of the respective state agricultural societies at Albany, N. Y., and Springfield, Ill., while the reports of the entomologists of the state experiment stations can be obtained from the directors of the respective stations. The older reports of the state entomologist of Missouri and the state entomologists of Illinois (Walsh, Le Baron, and Thomas) are all out of print and can only be obtained by purchase from second-hand dealers. The same may be said of the well-known and often quoted reports of Fitch, which were published with the old volumes of the Transactions of the New York State Agricultural Society.

*PB-6346-SB

75-30T

B-T

C

INDEX.

	Page.		Page.
Acanthocoridae	82	Corylophidae	61
Acarina	108-110	Crabronidae	23
Acridiidae	95-97	Cryptophagidae	63
Acroceridae	35	Cucujidae	63
Aleyrodidae	88-89	Culicidae	29-30
Andrenidae	24-27	Cupesidae	69
Anoplura	90	Cydnidae	81
Anthicidae	76-77	Cynipidae	12-13
Anthomyiidae	38	Dasyllidae	65
Anthophila	24-27	Dealers in entomological books and pamphlets	117-118
Aphididae	87-88	Dermostidae	63
Apidae	24-27	Dexiidae	38
Arachnida	104-110	Dictynidae	105
Aradidae	82	Diptera	27-40
Araneae	105-107	Dolichopodidae	35
Arctiidae	44-45	Drassidae	105
Arthrogastra	107-108	Dysderidae	105
Ascalaphidae	100	Dytiscidae	57
Asilidae	33-34	Economic entomology	110-112
Attidae	106-107	Elateridae	66
Belostomatidae	83	Embiidae	97
Bembecidae	21	Emesidae	83
Bibliography of entomology	9-10	Empididae	35-36
Blattidae	92-93	Endomychidae	62
Blepharoceridae	30	Entomological books and pamphlets, how to obtain them	117-118
Bombycidae	45-46	Epeiridae	105-106
Bombyliidae	34-35	Ephemeridae	98
Braconidae	15-16	Ephydriidae	39-40
Brenthidae	79	Erotylidae	62
Bruchidae	74	Eumenidae	23
Buprestidae	67	Evaniidae	14
Byrrhidae	65	Forficulidae	92
Capsidae	83	Formicidae	19
Carabidae	56-57	Fulgoridae	86
Cecidomyiidae	29	Geometridae	48
Cephaloidae	75	Gryllidae	93-94
Cerambycidae	71-72	Gyrinidae	57-58
Cercopidae	86	Halipidae	57
Chalcididae	16-18	Helomyzidae	39
Chernetidae	108	Hemerobiidae	100
Chironomidae	30	Hemiptera	79-90
Chrysididae	18-19	Heterocera	43-51
Chrysomelidae	72-74	Heteroceridae	65
Chrysopidae	100	Heteroptera	79-84
Cicadidae	84	Hippiboscidae	40
Cicindelidae	56	Histeridae	63-64
Cioidae	69	Homoptera	84-90
Cistelidae	75	Hydrophilidae	58
Cleridae	68	Hymenoptera	10-27
Coccidae	89-90	Ichneumonidae	14-15
Coccinellidae	61-62	Jassidae	84-85
Coleoptera	51-79	Lagriidae	75
Colydiidae	62-63	Lampyridae	67
Coniopterygidae	100	Larridae	21-22
Conopidae	36-37	Lathridiidae	64-65
Coreidae	81		
Corisidae	84		

	Page.		Page.
Lepidoptera	40-51	Psyllidæ	87
Leptidæ	33	Pterophoridae	49
Locustidæ	94-95	Ptinidæ	68-69
Lucanidæ	69	Pulicidæ	40
Lycosidæ	106	Pyalidæ	48-49
Lygæidæ	82	Pyrochroidæ	77
Malachiidæ	68	Pythidæ	75
Mallophaga	101-102	Raphidiidæ	100
Mantidæ	93	Reduviidæ	82
Masaridæ	23	Rhipiceridæ	65
Medical entomology	112-113	Rhipiphoridae	76
Melandryidæ	76	Rhopalocera	42-43
Mellinidæ	23	Rhynchophora	77-79
Meloidæ	77	Rhyssodidæ	63
Membracidæ	87	Saldidæ	83
Micropezidæ	38	Sapromyzidæ	39
Midaidæ	34	Sapygidæ	20
Mimesidæ	22	Sarcophagidæ	37
Monommidæ	76	Scaphidiidæ	61
Monotomidæ	64	Scarabæidæ	69-71
Mordellidæ	75-76	Scatophagidæ	39
Muscidæ	38	Scenopinidæ	32
Mutillidæ	19-20	Sciomyzidæ	39
Mycetophagidæ	63	Sceliidæ	20
Mycetophilidæ	29	Scolytidæ	79
Myriapoda	103	Scorpionidæ	107
Myrmeleonidæ	100	Scydmænidæ	58
Nabidæ	82	Sesiidæ	44
Naucoridæ	83	Sialidæ	99
Nemestrinidæ	34	Silphidæ	58
Nepidæ	83	Simuliidæ	30
Neuroptera (including Pseudoneuroptera)	97-101	Siphonaptera	40
Nitidulidæ	64	Solpugidæ	107
Noctuidæ	46-48	Sphegidæ	20-21
Notonectidæ	84	Sphingidæ	44
Nycteribiidæ	40	Staphylinidæ	59-60
Nyssonidæ	22	Stephanidæ	15
Odonata	98-99	Stratiomyidæ	32
Ædemeridæ	75	Strepsiptera	79
Æstridæ	37	Syrphidæ	36
Ortalidæ	38	Tabanidæ	32
Orthoptera	90-97	Tachinidæ	37
Oscinidæ	39	Tenebrionidæ	74
Othniidæ	75	Tenthredinidæ	11-12
Panorpidæ	100	Termitidæ	97
Parnidæ	65	Tettigoniidæ	85-86
Pediculidæ	90	Tineidæ	50-51
Pentapleuronidæ	23	Tipulidæ	31
Pentatomidæ	81	Theraphosidæ	75
Periodicals	113-117	Therevidæ	31
Perlidæ	98	Theridiidæ	103
Phalacridæ	61	Thomisidæ	193
Phalangidæ	108	Thripidæ	40
Phasmidæ	93	Throscidæ	63
Philanthidæ	22	Thysanoptera	40
Phoridaæ	36	Thysanura	102-103
Phymatidæ	82	Tortricidæ	49-50
Pipunculidæ	36	Trichoptera	101
Platypezidæ	36	Trichopterygidæ	69
Pompilidæ	20	Trigonalidæ	16
Proctotrypidæ	18	Trogositidæ	64
Pselaphidæ	59	Trypetidæ	38-39
Psocidæ	98	Uroceridæ	11-12
Psychodidæ	31	Vespidæ	23-24
		Zygænidæ	44

SMITHSONIAN INSTITUTION LIBRARIES

3 9088 00266402 7

nhent Z5859.U5B218 191

A list of works on North American entomo