





LIBRARY  
OF THE  
UNIVERSITY  
OF ILLINOIS

590.5

FI

v.32

BIOLOGY

NATURAL  
HISTORY

DEC 28 1953

Return this book on or before the  
**Latest Date** stamped below.

University of Illinois Library

APR 9 1962

AUG 17 1964

L161—H41



I  
32<sup>2</sup>

CATALOGUE OF NORTH AMERICAN BEETLES  
OF THE  
FAMILY CLERIDAE

ALBERT B. WOLCOTT

FIELDIANA: ZOOLOGY  
VOLUME 32, NUMBER 2

*Published by*  
CHICAGO NATURAL HISTORY MUSEUM  
JUNE 12, 1947

NAT.  
HIST.



CATALOGUE OF NORTH AMERICAN BEETLES  
OF THE  
FAMILY CLERIDAE

ALBERT B. WOLCOTT

*Assistant Curator, Harris Public School Extension  
Retired February 1, 1942*

FIELDIANA: ZOOLOGY

VOLUME 32, NUMBER 2

*Published by*

CHICAGO NATURAL HISTORY MUSEUM

JUNE 12, 1947

THE LIBRARY

JUL 21 1947

PRINTED IN THE UNITED STATES OF AMERICA  
BY CHICAGO NATURAL HISTORY MUSEUM PRESS



FI

v. 32<sup>2</sup>

## FOREWORD

My friend Albert B. Wolcott has honored me with the request that I write a short foreword for this catalogue, and I do it with pleasure. Wolcott, long the foremost student of the Cleridae in our country, has established for himself a permanent place on the roster of American Coleopterology. The present catalogue reflects his considered opinions concerning many complicated questions of clerid taxonomy and synonymy, with which opinions I find myself in complete agreement. I am sure that he took no pleasure in suppressing the well-known but invalidly established name, *Hydnocera*. Such suppressions are, unfortunately, necessary if we are to derive from the present confused nomenclature, based on the anarchy of individual preference, a stable nomenclature conforming with the International Rules.

EDWARD A. CHAPIN

*United States National Museum*



## INTRODUCTION

In order that certain necessary changes in nomenclature and systematics may be made known to those interested in the North American Cleridae, the present revision of existing catalogues is offered.

It was not until 1841 that an attempt was made to bring together the available knowledge concerning the group of beetles now known as the family Cleridae. In that year the Marquis Spinola published a synopsis of the genera that he considered as belonging to the group, with indications that a monographic treatment of the species would follow. Apparently stimulated by this preliminary paper, Klug (1842) gave the descriptions of the new species and genera known to him. In 1844, there appeared the promised Spinola monograph, a beautifully prepared and fully illustrated account of the world fauna of this interesting family. Thus a foundation was laid for the further study of the Cleridae.

Five years later LeConte (1849) offered the first synopsis of the North American species, including therein many not previously known. Further elucidation of our fauna was later made by the same author (1861) and by LeConte and Horn (1883); both papers were published by the Smithsonian Institution.

During this period, various synopses and catalogues of the world fauna had appeared. Most notable among these is the generic synopsis of Lacordaire (*Gen. Coleopt.*, 4, 1857). In 1849 Adam White prepared and issued a catalogue of the coleopterous insects in the British Museum, describing the new genera and species found in that collection. Two papers of similar scope were written by Chevrolat (1874, 1876) dealing with his own collection. In 1869 there appeared the first world catalogue of the Coleoptera, by Gemminger and Harold. At this date 697 species of clerids were known from the whole world.

Henry S. Gorham was the author of a series of papers on the family, starting in 1876 and continuing into the 1900's, among which is the part on the Cleridae in the *Biologia Centrali-Americana* (1882-86). This contribution is of definite interest to North American students.

In 1900, Lodhe's catalogue appeared (Stettin. ent. Zeitg., 61, 1900). It lists a total of 1,822 species, a testimonial to the industry of the species describers during the previous thirty years. The need for a new generic revision was obvious and this need was met by the appearance in 1903 of Schenkling's masterful work in the Wytzman *Genera Insectorum*. Such a work always stimulates activity in a group, and Schenkling (1906) found it necessary to introduce into the literature many changes in systematics and nomenclature, in anticipation of his forthcoming part of the Junk *Catalogus Coleopterorum*. This was published in 1910 and showed that the number of species of clerids had increased to 2,285. Since the publication of the 1910 catalogue, a paper of general interest, dealing with the systematics of the group as a whole, has been published by Chapin (1924). In it the subfamilies are discussed and re-defined. Students of the American fauna will also be interested in a manual of the American genera of Coleoptera prepared by Bradley (1930).

In recent years some important subfamily and generic revisions have appeared. The more important of these are Linsley's study of the genus *Aulicus* (1936), Corporaal's revision of the subfamily Thaneroclerinae (1939), and Wolcott's treatment of the genus *Orthopleura* (1943).

It is necessary to explain my reason for considering *Clerus alvearius* Fabricius to be the genotype of *Trichodes* Herbst. Malaise (Ent. News, 48, pp. 130-134, 1937; Ent. Tidskr., 59, pp. 99-106, 1938) and Blackwelder (Bull. Brooklyn Ent. Soc., 41, pp. 72-78, 1946) have outlined the arguments for accepting Fabricius as the designator of genotypes; McAtee and Malloch (Proc. U. S. Nat. Mus., 67, Art. 1 [No. 2573], pp. 129-131, 1926) have given arguments against this point of view. I am in agreement with Malaise and Blackwelder and consider that *Clerus alvearius* was established as the genotype of *Trichodes* by Fabricius (Syst. Eleuth., 1, p. 284, 1801). If, in the future, the Commission renders a definite opinion against accepting the Fabrician designations, then the name *Trichodes* must be suppressed and the name *Clerus* applied to the genus, since Curtis (Brit. Ent., 1, pl. 44, 1824) later established *alvearius* as the genotype of *Clerus*.

In closing, I may say that no apologies are offered for the elimination of the well-known generic name *Hydnocera* from the family. The change is dictated by the Rules of the International Commission on Zoological Nomenclature. Dejean, in his series of catalogues, proposed numerous new generic names, many of which are defined

by the inclusion of species which had already been validly described. Students of the Rules agree that such names fulfill the requirements of the Code and must be accepted as valid. However, for many years the Dejean catalogues were treated by other writers as a source of names, and many cases of transference of names have occurred. *Phyllobaenus* was proposed by Dejean to include, among others, *Clerus humeralis* Germar, a validly described species. Spinola disregarded this and transferred the name to a genus in another subfamily of the Cleridae. Under the Rules it must be restored to its rightful position, making *Hydnocera* Newman a synonym.

I offer thanks to Dr. Edward A. Chapin, Curator of Insects, United States National Museum, for reading this manuscript and making certain suggestions.

ALBERT B. WOLCOTT



# FAMILY CLERIDAE

## Subfamily TILLINAE

### Genus *Monophylla* Spinola

*Monophylla* Spinola, Rev. Zool., 4, p. 75, 1841; Monog. Clér., 1, p. 384, 1844.

*Macrotelus* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 274, 1842.

*Elasmocerus* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 13, 1849.

Genotype: *Tillus terminatus* Say

*californica* Fall, Occ. Papers Calif. Acad. Sci., 8, p. 251, 1901.

*substriata* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 340, 1910.

Utah, Oregon,  
California,  
Arizona, Lower  
California,  
Costa Rica

*pallipes* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 128, 1908.

Texas

*ruficollis* Schaeffer, op. cit., 19, p. 121, 1911.

Arizona

*terminata* Say, Boston Journ. Nat. Hist., 1, p. 160, 1835.

*megatoma* Spinola, Monog. Clér., 1, p. 385, pl. 28, fig. 5, 1844.

Eastern North  
America to  
Texas and  
Arizona

### Genus *Callotillus* Wolcott

*Callotillus* Wolcott, Ent. News, 22, p. 115, 1911.

Genotype: *Callotillus eburneocinctus* Wolcott

*eburneocinctus* Wolcott, loc. cit., p. 115.

Southern Flor-  
ida

*elegans* Erichson, Arch. Naturg., 13, p. 85, 1847.

*occidentalis* Gorham, Biol. Centr.-Amer., Ins.-Coleop., 3, pt. 2, p. 129, pl. 9, figs. 1, 2, 1882.

Texas, New  
Mexico, Ari-  
zona, Lower  
California,  
Central Amer-  
ica

*vafer* Wolcott, Proc. U. S. Nat. Mus., 59, p. 270, 1921.

California, Ari-  
zona, New  
Mexico

### Genus *Tillus* Olivier

*Tillus* Olivier, Ent., 2, No. 22, 1790.

*Cylinder* Voet, Cat. Syst. Col., 1, p. 78, 1769-1806 (not Mueller 1766).

Genotype: *Chrysomela elongata* Linnaeus, Syst. Nat., ed. 10, p. 377, 1758 (Europe)



- collaris* Spinola, Monog. Clér., 1, p. 98, pl. 2, fig. 6, 1844. Ohio, Georgia,  
Louisiana,  
Alabama,  
Texas, Mexico
- patagoniae* Knull, Ohio Journ. Sci., 46, p. 72, 1946. Arizona

### Genus *Perilypus* Spinola

- Perilypus* Spinola, Monog. Clér., 1, p. 103, 1844.  
Genotype: *Perilypus carbonarius* Spinola  
*carbonarius* Spinola, loc. cit., p. 105, pl. 5, fig. 4. California,  
Nevada

### Genus *Lecontella* Wolcott and Chapin

- Lecontella* Wolcott and Chapin, Bull. Brooklyn Ent. Soc., 13, p. 107, 1918.  
Genotype: *Cymatodera cancellata* Leconte  
*cancellata* LeConte, Proc. Acad. Nat. Sci. Phila., 7, p. 81, 1854. Maine, North  
Carolina, Mis-  
souri, Kansas,  
Oklahoma,  
Texas, Arizona
- brunnea* Melsheimer, Proc. Acad. Nat. Sci. Phila., 2,  
p. 306, 1846 (not Spinola 1844).  
*gnara* Wolcott, Coleop. Contr., 1, p. 105, 1927. Oklahoma,  
Arizona

### Genus *Cymatodera* Gray

- Cymatodera* Gray, in Griffith's Anim. Kingd., Ins., 1, p. 375, 1832.  
*Cymatoderus* Desmarest in Chenu, Encycl. d'Hist. Nat., Coleop., 2, p. 240,  
1860.  
Genotype: *Cymatodera hopei* Gray  
*aegra* Wolcott, Proc. U. S. Nat. Mus., 59, p. 271, pl. 43, Arizona  
figs. 2, 3, 1921.  
*aemula* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 348, Arizona  
pl. 6, fig. 9, 1910.  
*aethiops* Wolcott, loc. cit., p. 350, pl. 6, figs. 10-13. Texas, Arizona  
*angustata* Spinola, Monog. Clér., 1, p. 149, pl. 7, fig. 1, 1844. California,  
Mexico,  
Arizona  
*?angustata* LeConte, Smiths. Misc. Coll., 6, No. 167,  
2d ed., p. 96, 1866.  
*antennata* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 128, 1908. Arizona  
*balteata* LeConte, Proc. Acad. Nat. Sci. Phila., 7, p. 81, 1854. Texas  
*fallax* Horn, Trans. Amer. Ent. Soc., 12, p. 153, 1885.  
*belfragei* Horn, op. cit., 5, p. 226, pl. 1, fig. 11, 1876. Texas  
*bicolor* Say, Journ. Acad. Nat. Sci. Phila., 5, p. 174, 1825. Canada,  
Georgia, New  
York, Illinois,  
Kansas, Texas,  
Arizona



- brevicollis* Schaeffer, Journ. N. Y. Ent. Soc., 25, p. 130, 1917. Arizona
- californica* Horn, Trans. Amer. Ent. Soc., 2, p. 134, 1868. California,  
Lower Cali-  
fornia
- cephalica* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 130, 1908. Lower Cali-  
fornia
- cognata* Wolcott, Ent. News, 21, p. 320, 1910. Utah, Nevada
- confusa* Wolcott, Proc. U. S. Nat. Mus., 59, p. 282, 1921. North Carolina,  
Missouri,  
Texas
- cylindricollis* Chevrolat, Coleop. Mex., Cent. I, Fasc. 1, No. 11, 1833. Arizona, Mex-  
ico
- decipiens* Fall, Can. Ent., 38, p. 114, 1906. California
- delicatula* Fall, loc. cit., p. 113. Arizona, Cali-  
fornia, Lower  
California,  
Mexico
- fascifera* LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 95, 1866. Lower Cali-  
fornia
- flavosignata* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 129, 1908. Arizona
- fuchsii* Schaeffer, op. cit., 12, p. 216, 1904. Utah, Nevada,  
Texas, Arizona,  
New Mexico,  
California
- comans* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 351, pl. 6, figs. 14-16, 1910.
- fuscula* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 212, 1852. Arizona, Mex-  
ico
- var. *texana* Gorham, Biol. Centr.-Amer., Ins.-Coleop., 3, pt. 2, p. 134, 1882. Texas
- hopei* Gray in Griffith's Anim. Kingd., Ins., 1, p. 375, pl. 48, fig. 1, 1832. California,  
Mexico
- gigantea* Horn, Trans. Amer. Ent. Soc., 8, p. 148, 1880.
- horni* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 349, 1910; Journ. N. Y. Ent. Soc., 30, pp. 191-194, figs. 1, 2, 1922. Arizona, Cali-  
fornia
- californica* Horn, Trans. Amer. Ent. Soc., 5, p. 225, pl. 1, fig. 9, 1876 (not Horn 1868).
- inornata* Say, Boston Journ. Nat. Hist., 1, p. 161, 1835. Canada, East-  
ern United  
States to Utah  
and Arizona
- tenera* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 14, 1849.
- isabellae* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 345, pl. 6, fig. 7, 1910. Utah, Arizona
- knausi* Wolcott, Proc. U. S. Nat. Mus., 59, p. 278, pl. 43, figs. 24, 25, 1921. Utah, Arizona
- laevicollis* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 130, 1908. Arizona
- latefascia* Schaeffer, op. cit.; 12, p. 216, 1904. Arizona
- longicornis* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 16, 1849. Utah, Arizona,  
New Mexico

- longula* Wolcott, Proc. U. S. Nat. Mus., 59, p. 280, 1921. Arizona  
*rudis* Wolcott, loc. cit., p. 281.
- mittelli* Chapin, Proc. Biol. Soc. Wash., 40, p. 144, 1927. Texas, Mexico
- mitis* Wolcott, Proc. U. S. Nat. Mus., 59, p. 273, pl. 43, fig. 8, 1921. Arizona
- morosa* LeConte, Proc. Acad. Nat. Sci. Phila., 10, p. 71, 1858. Colorado, Arizona, New Mexico, California, Mexico
- mystica* Wolcott, Proc. U. S. Nat. Mus., 59, p. 275, pl. 43, figs. 16-19, 1921. Utah
- neomexicana* Knull, Ent. News, 45, p. 9, 1934. New Mexico
- obliquefasciata* Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 215, 1904. New Mexico, Texas
- oblita* Horn, Trans. Amer. Ent. Soc., 5, p. 227, pl. 1, fig. 12, 1876. Nevada, Arizona, Lower California
- ovipennis* LeConte, Proc. Acad. Nat. Sci. Phila., 11, p. 76, 1859. Arizona, New Mexico, California  
*pilosella* LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 95, 1866.
- pallida* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 128, 1908. Texas
- peninsularis* Schaeffer, op. cit., 12, p. 214, 1904. Arizona, Lower California
- pubescens* Wolcott, Bull. Wisc. Nat. Hist. Soc., 7, p. 94, 1909. Texas
- punctata* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 212, 1852. California, Lower California
- puncticollis* Bland, Proc. Ent. Soc. Phila., 1, p. 356, 1863. Texas, New Mexico, Lower California
- purpuricollis* Horn, Proc. Calif. Acad. Sci., 4, p. 381, 1894. Arizona, Lower California
- rufiventris* Wolcott, Coleop. Contr., 1, p. 105, 1927. California
- santarosae* Schaeffer, Bull. Brooklyn Mus., 1, No. 7, p. 152, 1905. Lower California
- schwarzi* Wolcott, Proc. U. S. Nat. Mus., 59, p. 274, pl. 43, figs. 11, 12, 1921. Arizona
- sirpata* Horn, Trans. Amer. Ent. Soc., 12, p. 152, 1885. Texas  
 var. *spatiosa* Wolcott, Proc. U. S. Nat. Mus., 59, p. 277, pl. 43, figs. 22, 23, 1921. Texas
- snowi* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 349, 1910. Arizona
- soror* Wolcott, loc. cit., p. 342, pl. 6, figs. 1, 2. Arizona
- subsimplis* Wolcott, loc. cit., p. 343, pl. 6, figs. 3, 4. Arizona

- torosa* Wolcott, loc. cit., p. 347, pl. 6, fig. 8. Arizona, New Mexico
- tricolor* Skinner, Ent. News, 16, p. 292, 1905. Arizona
- turbata* Horn, Trans. Amer. Ent. Soc., 12, p. 151, 1885. Texas, Arizona
- tuta* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 344, pl. 6, figs. 5, 6, 1910. Arizona, New Mexico
- umbrina* Fall, Can. Ent., 38, p. 114, 1906. Colorado, New Mexico
- undulata* Say, Journ. Acad. Nat. Sci. Phila., 5, p. 174, 1825. Canada, Maryland, Illinois, Kentucky, Arkansas, Texas, Arizona
- bosci* Chevrolat, Ann. Soc. Ent. France, (2), 1, p. 31, 1843.
- longicollis* Spinola, Monog. Clér., 1, p. 147, pl. 10, fig. 1, 1844.
- var. *arizonica* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 130, 1908. Arizona
- var. *brunnea* Spinola, Monog. Clér., 1, p. 148, 1844. Arizona
- var. *vauthieri* Spinola, loc. cit., p. 147. "North America"
- uniformis* Schaeffer, Bull. Brooklyn Mus., 1, No. 7, p. 151, 1905. Arizona
- usta* LeConte, Proc. Acad. Nat. Sci. Phila., 10, p. 71, 1858. Texas, Arizona, New Mexico
- vandykei* Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 217, 1904. California
- xanti* Horn, Trans. Amer. Ent. Soc., 5, p. 222, pl. 1, fig. 3, 1876. Lower California, Mexico
- xavierae* Knull, Ann. Ent. Soc. Amer., 33, p. 555, fig. 1, 1940. Arizona

Genus *Bostrichoclerus* Van Dyke

*Bostrichoclerus* Van Dyke, Ent. News, 49, p. 189, 1938.

Genotype: *Bostrichoclerus bicornus* Van Dyke

- bicornus* Van Dyke, loc. cit., p. 190. Gulf of California

## Subfamily PHYLLOBAENINAE

Genus *Phyllobaenus* Dejean

*Phyllobaenus* Dejean, Cat. Coleop., ed. 3 (rev.), p. 127, 1837.

*Hydnocera* Newman, Ent. Mag., 5, p. 379, 1838.

*Theano* Chevrolat, Ann. Soc. Ent. France, (2), 1, p. 33, 1843 (not Castelnau 1836).

Genotype: *Clerus humeralis* Say

- affiliatus* Fall, Can. Ent., 38, p. 117, 1906. California
- arizonicus* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 132, 1908. Arizona
- bicolor* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 213, 1852. California

- bimaculatus** Wolcott, Can. Ent., **40**, p. 232, 1908. California
- binotatus** Chapin, Proc. Biol. Soc. Wash., **31**, p. 107, 1918. California
- blanchardi** Wolcott, Ent. News, **39**, p. 210, 1928. New Mexico
- chapini** Wolcott, Coleop. Contr., **1**, p. 81 (footnote), 1927. Texas  
*lateralis* Schaeffer, Bull. Brooklyn Mus., **1**, p. 157, 1905  
(not Gorham 1883).
- cinctus** Spinola, Monog. Clér., **2**, p. 48, pl. 39, fig. 5, 1844. Arizona, Central and South America
- cobaltinus** Chapin, Proc. Biol. Soc. Wash., **35**, p. 55, 1922 (as *colbaltina*). California
- coeruleipennis** Wolcott, Can. Ent., **40**, p. 229, 1908. Arizona
- commixtus** Chapin, Proc. Biol. Soc. Wash., **35**, p. 58, 1922. Massachusetts, New York
- cribripennis** Fall, Can. Ent., **38**, p. 116, 1906. Texas
- cuneiformis** Wolcott, Ent. News, **39**, p. 208, 1928. Arizona
- cyanitinctus** Fall, Can. Ent., **38**, p. 116, 1906. New Mexico
- discoideus** LeConte, Ann. Lyc. Nat. Hist. N. Y., **5**, p. 213, 1852. Arizona, New Mexico, Utah, California, Mexico  
*furcata* Gorham, Biol. Centr.-Amer., Ins.-Coleop., **3**, pt. 2, p. 342, pl. 13, fig. 14, 1886.
- dubius** Wolcott, Bull. Lab. Nat. Hist. Univ. Iowa, **6**, p. 60, 1912. North Dakota
- fallax** Wolcott, Can. Ent., **40**, p. 230, 1908. Colorado
- fuchsi** Schaeffer, Journ. N. Y. Ent. Soc., **16**, p. 132, 1908. Arizona, New Mexico  
*nunnenmacheri* Schaeffer, loc. cit., p. 133.
- gahani** Wolcott, Field Mus. Nat. Hist., Zool. Ser., **7**, p. 379, 1910. Texas
- hamatus** LeConte, Ann. Rept. Chief Engrs. App. JJ, p. 517, 1876. New Mexico
- humeralis** Say, Journ. Acad. Nat. Sci. Phila., **3**, p. 192, 1823. Maine to Florida, Illinois, Kansas  
var. *cyanescens* LeConte, Ann. Lyc. Nat. Hist. N. Y., **5**, p. 28, 1849. Texas, Arizona  
*difficilis* LeConte, loc. cit., p. 27.
- iowensis** Chapin, Proc. Biol. Soc. Wash., **35**, p. 57, 1922. Iowa
- knausi** Wickham, Can. Ent., **37**, p. 168, 1905. Kansas, Texas
- lecontei** Wolcott, Bull. Lab. Nat. Hist. Univ. Iowa, **6**, p. 62, 1912. Maine to Louisiana, Arizona, Alaska  
*subaenea* LeConte, Ann. Lyc. Nat. Hist. N. Y., **5**, p. 26, 1849 (not Spinola 1844).
- longus** LeConte, Trans. Amer. Ent. Soc., **12**, p. 22, 1884. Arizona

- maritimus* Wolcott, Ent. News, 21, p. 321, 1910. Massachusetts
- mirus* Wolcott, op. cit., 39, p. 207, 1928. Nebraska
- nigrescens* Schaeffer, Bull. Brooklyn Mus., 1, No. 15, p. 381, 1909. North Carolina
- niveifasciatus* Schaeffer, op. cit., 1, No. 7, p. 156, 1905. Arizona, Mexico
- occidentalis* Chapin, Proc. Biol. Soc. Wash., 35, p. 56, 1922. California
- omoger* Horn, Proc. Calif. Acad. Sci., 4, p. 383, 1894. Arizona, California, Lower California
- pallipennis* Say, Journ. Acad. Nat. Sci. Phila., 5, p. 176, 1825. Canada, Alabama, Colorado
- serrata* Newman, Ent. Mag., 5, p. 379, 1838.
- picipennis* Chapin, Proc. Biol. Soc. Wash., 35, p. 56, 1922. Texas
- plagifer* Fall, Can. Ent., 38, p. 115, 1906. California
- pubescens* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 28, 1849. Illinois, Missouri, Kansas, Oklahoma, Colorado, Texas
- pulcher* Chapin, Proc. Biol. Soc. Wash., 35, p. 57, 1922. California
- puritanus* Wolcott, Ent. News, 39, p. 208, 1928. Massachusetts
- pygmaeus* Wolcott, Bull. Lab. Nat. Hist. Univ. Iowa, 6, p. 63, 1912. California
- quadrinaculatus* Van Dyke, Bull. Brooklyn Ent. Soc., 10, p. 31, 1915. California
- robustus* Horn, Trans. Amer. Ent. Soc., 2, p. 135, 1868. California
- rufipes* Newman, Mag. Nat. Hist., (2), 4, p. 363, 1840. Florida, Alabama, Arkansas
- scaber* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 213, 1852. Kansas, Arizona, New Mexico, Wyoming, Idaho, Washington
- funebri* Chevrolat, Rev. Mag. Zool., (3), 2, p. 321, 1874.
- simulans* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 133, 1908. Arizona
- singularis* Wolcott, Bull. Lab. Nat. Hist. Univ. Iowa, 6, p. 62, 1912. North Carolina
- subaeneus* Spinola, Monog. Clér., 2, p. 51, 1844. Massachusetts
- steniformis* Spinola, loc. cit., p. 144, pl. 40, fig. 2 (not *steniformis* Klug 1842).
- subfasciatus* LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 97, 1866. Kansas, Nebraska, Utah, Texas, California
- var. *fraterna* Wolcott, Bull. Lab. Nat. Hist. Univ. Iowa, 6, p. 61, 1912. Massachusetts
- suturalis* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 313, 1842. Florida



- limbata* Spinola, Monog. Clér., 2, p. 49, 1844.
- ?*marginata* var. Gorham, Biol. Centr.-Amer., Ins.-Coleop., 3, pt. 2, p. 168, 1882. Mexico
- var. *aequinotialis* Spinola, Monog. Clér., 2, p. 50, 1844. Mexico
- tibialis* Wolcott, Ent. News, 21, p. 322, 1910. Nebraska
- tricolor* Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 219, 1904. Texas
- tristis* Schaeffer, Bull. Brooklyn Mus., 1, No. 15, p. 381, 1909. Arizona, Mexico
- unifasciatus* Say, Journ. Acad. Nat. Sci. Phila., 5, p. 176, 1825. Canada, Maine, Illinois, Alabama, Kansas, Colorado, Oklahoma, Arizona
- punctata* Spinola, Monog. Clér., 2, p. 54, pl. 40, fig. 4, 1844.
- verticalis* Say, Boston Journ. Nat. Hist., 1, p. 164, 1835. Canada, New Hampshire, Illinois, Florida, Minnesota, South Dakota, Kansas, Texas
- brachyptera* Klug, Abh. Königl. Akad. Wiss. Berlin, 1840-42, p. 313, 1842.
- lineatocollis* Spinola, Monog. Clér., 2, p. 51, pl. 40, fig. 1, 1844.
- tenella* Say, Boston Journ. Nat. Hist., 1, p. 164, 1835.
- vicinus* Chapin, Proc. Biol. Soc. Wash., 35, p. 55, 1922. Texas
- wickhami* Wolcott, Can. Ent., 40, p. 231, 1908. Arizona

### Genus *Isohydnocera* Chapin

*Isohydnocera* Chapin, Bull. Brooklyn Ent. Soc., 12, p. 83, 1917.

Genotype: *Hydnocera curtipennis* Newman

- agra* Newman, Mag. Nat. Hist., (2), 4, p. 364, 1840. Georgia, Florida
- albocincta* Horn, Trans. Amer. Ent. Soc., 3, p. 342, 1871. Texas
- brunnea* Chapin, Bull. Brooklyn Ent. Soc., 12, p. 84, 1917. Kansas, Texas
- curtipennis* Newman, Mag. Nat. Hist., (2), 4, p. 364, 1840. Canada, Connecticut, District of Columbia, Illinois, Indiana, Minnesota
- longicollis* Ziegler, Proc. Acad. Nat. Sci. Phila., 2, p. 44, 1844.
- gerhardi* Wolcott, Ent. News, 21, p. 323, 1910. Arizona
- liebecki* Wolcott, op. cit., 39, p. 211, 1928. New Jersey
- mima* Wolcott, loc. cit. New Mexico
- nigrina* Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 134, 1908. Arizona
- ornata* Wolcott, Can. Ent., 40, p. 233, 1908. Arizona
- pusilla* Schaeffer, Bull. Brooklyn Mus., 1, No. 15, p. 381, 1909. Arizona
- schusteri* LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 97, 1866. Illinois

- tabida** LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 29, 1849. Ontario, Wisconsin, Illinois, Indiana, Alabama, Kansas
- tricondylae** LeConte, loc. cit., p. 26. Illinois, Missouri, Colorado, Nebraska, Arizona

### Genus *Wolcottia* Chapin

*Wolcottia* Chapin, Bull. Brooklyn Ent. Soc., 12, p. 84, 1917.

Genotype: *Hydnocera pedalis* LeConte

- parviceps** Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 134, 1908. Arizona
- pedalis** LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 97, 1866. New Jersey, Illinois, Wisconsin, Missouri, Nebraska, Arizona
- sobrina** Fall, Can. Ent., 38, p. 117, 1906. Arizona

### Subfamily THANEROCLERINAE<sup>1</sup>

#### Genus *Thaneroclerus* Lefebvre

*Thaneroclerus* Lefebvre, Bull. Soc. Ent. France, (1), 7, p. 13, 1838.

*Thaneclerus* Desmarest in Chenu, Encycl. d'Hist. Nat., Coleop., 2, p. 247, 1860.

*Thanateroclerus* Gemminger and Harold, Cat. Coleop., 6, p. 1739, 1869.

*Taneroclerus* Chevrolat, Bull. Soc. Ent. France, (5), 10, p. 31, 1880.

*Metademiis* Matsumura, Dainippon Gaichuzensho, 2, p. 234, (?)1935 (not Schenkling 1899).

Genotype: *Clerus buquet* Lefebvre

- buquet** Lefebvre, Ann. Soc. Ent. France, 4, p. 577, pl. 16, fig. 4, 1835. Florida, New York, California, cosmopolitan
- buqueti** Westwood, Bull. Soc. Ent. France, (1), 7, p. 13, 1838.
- girodi** Chevrolat, op. cit., (5), 10, p. 31, 1880.
- tabacci** Matsumura, Dainippon Gaichuzensho, 2, p. 234, (?)1935.
- var. **dermestoides** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 310, 1842. New York

#### Genus *Zenodosus* Wolcott

*Zenodosus* Wolcott, Ent. News, 21, p. 321, 1910.

<sup>1</sup> A revision of this subfamily is given by J. B. Corporaal (1939).

*Xenodosus* Champlain, Proc. U. S. Nat. Mus., 57, p. 636, 1920.

*Zenodosus* Leng, Cat. Coleop. N. Amer., p. 470, 1920 (err. typ.).

Genotype: *Clerus sanguineus* Say

**sanguineus** Say, Boston Journ. Nat. Hist., 1, p. 162, 1835.

Ontario, Maine,  
south to North  
Carolina and  
Arkansas, west  
to Colorado

### Genus *Ababa* Casey

*Ababa* Casey, Ann. N. Y. Acad. Sci., 9, p. 653, 1897.

*Prionodera* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 396, 1910.

*Prionostichaeus* Wolcott, Ent. News, 22, p. 125, 1911.

*Wolcottella* Lucas, Arch. Naturg., 84, Abt. A, p. 669, 1918 (1920).

Genotype: *Clerus tantillus* LeConte, through synonymy

**tantilla** LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 96, 1866.

Massachusetts,  
District of  
Columbia, Mis-  
souri, Alabama,  
Louisiana,  
Texas

*crinita* Casey, Ann. N. Y. Acad. Sci., 9, p. 654, 1897.

### Subfamily CLERINAE

#### Genus *Priocera* Kirby

*Priocera* Kirby, Trans. Linn. Soc. London, 12, p. 389, 1818.

Genotype: *Priocera variegata* Kirby, Trans. Linn. Soc. London, 12, p. 392, 1818 (Brazil)

**castanea** Newman, Ent. Mag., 5, p. 380, 1838.

*maculata* Ziegler, Proc. Acad. Nat. Sci. Phila., 2, p. 268, 1845.

*rufescens* Spinola, Monog. Clér., 1, p. 119, pl. 4, fig. 3, 1844.

Connecticut,  
Florida, Illi-  
nois, Indiana,  
Michigan,  
Kansas

**catalina** Cazier, Pan-Pac. Ent., 15, p. 162, 1939.

Arizona

**chiricahuae** Knull, Ann. Ent. Soc. Amer., 32, p. 27, pl. 1, fig. 3, 1939.

Arizona

**lecontei** Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 356, pl. 5, fig. 2, 1910.

California

**pusilla** Kirby, Zool. Journ., 2, p. 518, 1826.

"North Amer-  
ica"

#### Genus *Colyphus* Spinola

*Colyphus* Spinola, Rev. Zool., 4, p. 72, 1841; Monog. Clér., 1, p. 133, 1844.

*Cleronomus* Klug, Abh. Königl. Akad. Wiss. Berlin, 1840-42, p. 282, 1842.



*Derestenus* Chevrolat, Guér. Mag. Zool., (2), 5, p. 13, 1843.

Genotype: *Colyphus signaticollis* Spinola, Monog. Clér., 1, p. 135, pl. 5, fig. 5, 1844 (Central America)

*furcatus* Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 218, 1904. Texas

*ornaticollis* LeConte, Trans. Amer. Ent. Soc., 8, p. 194, 1880. Ohio

*melanopterus* Dury, Journ. Cincinn. Soc. Nat. Hist., 20, p. 251, 1906.

### Genus *Placopterus* Wolcott

*Placopterus* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 363, 1910.

*Poecilochroa* Chevrolat, Mem. Clér., p. 5, 1876 (not Westring 1874).

*Ploeopterus* Leng, Cat. Coleop. N. Amer., p. 149, 1920 (err. typ.).

*Phloeopterus* Britton, Bull. Conn. Geol. Nat. Hist. Surv., 31, p. 236, 1931 (err. typ.).

Genotype: *Poecilochroa plumbea* Gorham, Biol. Centr.-Amer., Ins.-Coleop., 3, pt. 2, p. 337, pl. 13, fig. 11 (Mexico)

*cyanipennis* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 307, 1842. Mexico

var. *dasytoides* Westwood in White, Nomencl. Coleop. Ins. Brit. Mus., 4, p. 50, 1849. Mexico, Texas

*haagi* Chevrolat, Mem. Clér., p. 12, 1876. Texas, Mexico

*subcostatus* Schaeffer, Journ. N. Y. Ent. Soc., 25, p. 131, 1917. Florida, Texas

*thoracicus* Olivier, Ent., 4, No. 76, p. 18, pl. 2, fig. 22, 1795. Canada to Florida, Illinois, Indiana, California, Texas, Mexico

*monilis* Melsheimer, Proc. Acad. Nat. Sci. Phila., 2, p. 307, 1846.

var. *pallipes* Wolcott, Bull. Lab. Nat. Hist. Univ. Iowa, 6, p. 55, 1912.

### Genus *Thanasimus* Latreille

*Thanasimus* Latreille, Gen. Crust. et Ins., 1, p. 270, 1806.

*Cleroides* Schaeffer, Elem. Ent., pl. 137, 1777.

*Pseudoclerus* Jacq. du Val, Gen. Col. d'Eur., 3, p. 196, 1860.

Genotype: *Attelabus formicarius* Linnaeus, Syst. Nat., ed. 10, p. 387, 1758 (Europe)

*dubius* Fabricius, Gen. Ins., p. 229, 1777.

*ruficeps* Spinola, Monog. Clér., 1, p. 189, pl. 14, fig. 3, 1844.

Maine to Alaska, Indiana, Tennessee, Louisiana, Kansas, Nebraska, Colorado, New Mexico

- repandus** Horn, Trans. Amer. Ent. Soc., 3, p. 342, 1871. California
- trifasciatus** Say, Journ. Acad. Nat. Sci. Phila., 5, p. 175, 1825. Canada, Vermont, Wisconsin, Pennsylvania  
*nigripes* var. White, Nomencl. Coleop. Ins. Brit. Mus., 4, p. 23, 1849.
- undatulus** Say, Boston Journ. Nat. Hist., 1, p. 163, 1835. Canada, Maine, west to Montana and south to Tennessee and New Mexico  
*undulatus* Leng, et auct. (err. typ.).
- var. *abdominalis* Kirby, Fauna Bor.-Amer., 4, p. 244, pl. 2, fig. 5, 1837.
- var. *nubilus* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 386, 1842.
- var. *melanocephalus* Chevrolat, Rev. Mag. Zool., (3), 2, p. 290, 1874. Nova Scotia, New Hampshire
- var. *monticola* Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 357, pl. 5, fig. 3, 1910. British Columbia, Washington, California
- var. *rubriventris* LeConte, Proc. Acad. Nat. Sci. Phila., 13, p. 351, 1861. California

### Genus *Enoclerus* Gahan

*Enoclerus* Gahan, Ann. Mag. Nat. Hist., (8), 5, pp. 62, 65, 1910.

*Clerus* auctorum (not Fabricius 1775).

Genotype: *Clerus sexguttatus* Fabricius, Syst. Ent., p. 823, 1775 (South America)

- abdominalis** Chevrolat, Coleop. Mexico, Cent. I, Fasc. 3, No. 52, 1834. Mexico  
*zonatus* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 297, 1842.
- var. *spinolae* LeConte, Proc. Acad. Nat. Sci. Phila., 6, p. 230, 1853. Kansas, Utah, California, Nevada, New Mexico, Arizona, Texas, Mexico
- acerbus** Wolcott, Ent. News, 22, p. 119, 1911. Utah, Nevada
- analus** LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 20, 1849. Ohio, Illinois, Kansas, Colorado, California, New Mexico, Arizona, Texas, Mexico
- badeni** Gorham, Cist. Ent., 2, p. 80, 1876. Texas, California, Mexico
- bimaculatus** Skinner, Ent. News, 16, p. 291, 1905. Arizona  
*bioculatus* Schaeffer, Bull. Brooklyn Mus., 1, No. 7, p. 154, 1905 (err. typ.).

- bombycinus** Chevrolat, Coleop. Mexico, Cent. I, Fasc. 1, No. 12, 1833. California, Mexico.
- aeneicollis* Spinola, Monog. Clér., 1, p. 254, pl. 24, fig. 1, 1844.
- sericans* Westwood in White, Nomencl. Coleop. Ins. Brit. Mus., 4, p. 58, 1849.
- brevicollis** Spinola, Monog. Clér., 1, p. 266, pl. 25, fig. 5, 1844. North America
- chapini** Wolcott, Trans. Amer. Ent. Soc., 48, p. 74, 1922. Arizona
- coccineus** Schenkling, Deutsch. Ent. Zeitschr., 1906, p. 272, pl. 2, fig. 7, 1906. Minnesota to Texas, Mexico
- corallinus* Fall, Trans. Amer. Ent. Soc., 33, p. 240, 1907.
- cordifer** LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 21, 1849. Montana, Kansas, Colorado, Nebraska, New Mexico, Texas
- crabronarius** Spinola, Monog. Clér., 1, p. 247, pl. 23, fig. 1, 1844. ?Texas
- cupressi** Van Dyke, Bull. Brooklyn Ent. Soc., 10, p. 29, 1915. California
- decussatus** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 296, 1842. Arizona, Mexico
- hopfneri* Spinola, Monog. Clér., 1, p. 256, 1844.
- erro** Wolcott, Trans. Amer. Ent. Soc., 48, p. 68, 1922. Arizona
- eximius** Mannerheim, Bull. Soc. Imp. Nat. Moscou, 16, p. 248, 1843. California
- holosericeus* White, Nomencl. Coleop. Ins. Brit. Mus., 4, p. 58, 1849.
- gerhardi** Wolcott, Trans. Amer. Ent. Soc., 48, p. 72, 1922. Indiana
- humeralis** Schaeffer, Bull. Brooklyn Mus., 1, No. 7, p. 155, 1905. British Columbia, California, Idaho, Arizona
- ichneumoneus** Fabricius, Gen. Ins., p. 230, 1777. Canada to Florida, Utah, California, Arizona, Texas
- rufus* Olivier, Encycl. Meth., 6, p. 13, 1791.
- var. *knabi* Wolcott, Ent. News, 21, p. 321, 1910. Florida
- inoensis** Van Dyke, Ent. News, 49, p. 191, 1938. California
- laetus** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 301, 1842. Kansas, Utah, Oregon, California, Arizona, New Mexico, Texas
- abruptus* LeConte, Proc. Acad. Nat. Sci. Phila., 10, p. 72, 1858.
- lautus** Wolcott, Trans. Amer. Ent. Soc., 48, p. 69, 1922. Arizona
- lecontei** Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 359, 1910. Canada, British Columbia, east to Michigan, south to Mexico
- nigriventris* LeConte, Proc. Acad. Nat. Sci. Phila., 13, p. 351, 1861 (not *nigriventris* Blanchard 1843).

- liljebladi** Wolcott, Trans. Amer. Ent. Soc., 48, p. 73, 1922. New York, Michigan, Wisconsin, Pennsylvania
- longissimus** Wolcott, loc. cit., p. 68. New Mexico
- lunatus** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 294, 1842. New York to Florida, west to Kansas and Texas
- bicolor* Melsheimer, Proc. Acad. Nat. Sci. Phila., 2, p. 307, 1846.
- mexicanus** Castelnau, Silberm. Rev. Ent., 4, p. 44, 1836. Texas to Panama
- assimilis* Spinola, Monog. Clér., 1, p. 249, 1844.
- var. *assimilis* Chevrolat, Guér. Mag. Zool., (2), 5, p. 17, 1843.
- var. *semiochraceus* Chevrolat, Rev. Mag. Zool., (3), 2, p. 292, 1874.
- var. *silbermanni* Chevrolat, Guér. Mag. Zool., (2), 5, p. 21, 1843.
- moestus** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 298, 1842. Oregon, South Dakota, Colorado, California, New Mexico, Arizona, Texas
- truncatus* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 23, 1849.
- muttkowskii** Wolcott, Bull. Wisc. Nat. Hist. Soc., 7, p. 98, 1909. Michigan, Wisconsin, Vermont
- nigrifrons** Say, Journ. Acad. Nat. Sci. Phila., 3, p. 190, 1823. Canada to Alabama, west to Nebraska
- var. *testaceipes* Wolcott, Trans. Amer. Ent. Soc., 38, p. 72, 1922. Indiana
- nigripes** Say, Journ. Acad. Nat. Sci. Phila., 3, p. 191, 1823. Maine to District of Columbia, west to California, south to Arizona and Mexico
- quadriguttatus* auctorum (not Olivier 1795, LeConte 1849, Schenkling 1906, Wolcott 1922).
- var. *dubius* Spinola, Monog. Clér., 1, p. 264, pl. 25, fig. 4, 1844.
- var. *rufiventris* Spinola, loc. cit., p. 264, pl. 23, fig. 3.
- incertus* LeConte, Smiths. Misc. Coll., 6, No. 140, 2d ed., p. 55, 1866.
- ocreatus** Horn, Trans. Amer. Ent. Soc., 12, p. 154, 1885. Colorado to California, New Mexico, Arizona
- opifex** Gorham, Biol. Centr.-Amer., Ins.-Coleop., 3, pt. 2, p. 156, pl. 8, fig. 3, 1882. Texas, Mexico
- palmii** Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 218, 1904. Kansas, Utah, New Mexico, Arizona, Texas, Mexico
- pinus** Schaeffer, Bull. Brooklyn Mus., 1, No. 7, p. 155, 1905. Arizona

- quadriguttatus** Olivier, Ent., 4, No. 76, p. 18, pl. 2, fig. 22a, b, 1795. ?North America ("Caroline")
- quadrisignatus** Say, Boston Journ. Nat. Hist., 1, p. 162, 1835. Pennsylvania to Georgia, west to Kansas and Texas
- rufescens* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 212, 1852.
- var. *affiliatus* LeConte, Proc. Acad. Nat. Sci. Phila., 10, p. 72, 1858. Kansas, Colorado, Oklahoma, Texas, Lower California
- var. *latecinctus* LeConte, loc. cit. Arizona, Texas, Lower California
- quercus** Schaeffer, Bull. Brooklyn Mus., 1, No. 7, p. 154, 1905. Arizona
- rosmarus** Say, Journ. Acad. Nat. Sci. Phila., 3, p. 190, 1823. Maine to Florida, Oklahoma, Nebraska, Texas to Costa Rica
- angustus* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 21, 1849.
- oculatus* Spinola, Monog. Clér., 1, p. 267, pl. 26, fig. 1, 1844.
- var. *virginiensis* Schaeffer, Journ. N. Y. Ent. Soc., 25, p. 131, 1917.
- rufulus* Schaeffer, loc. cit.
- sphegeus** Fabricius, Mant. Ins., 1, p. 125, 1787. British Columbia to California, Colorado to Arizona and New Mexico
- sobrius* Walker in Lord, Nat. Vanc., 2, p. 326, 1866.
- sobrinus* Leng, Cat. Coleop. N. Amer., p. 150, 1920 (err. typ.).
- var. *arachnodes* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 299, 1842.
- venator** Chevrolat, Guér. Mag. Zool., (2), 5, p. 18, 1843. Texas, Mexico
- lesueurii* Spinola, Monog. Clér., 1, p. 249, pl. 23, fig. 2, 1844.
- vetus** Wolcott, Coleop. Contr., 1, p. 107, 1927. Texas
- crabronarius* auctorum (not Spinola 1844).
- viduus** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 297, 1842. Texas, Mexico
- cuprescens* Gorham, Cist. Ent., 2, p. 81, 1876.
- erythrogaster* Spinola, Monog. Clér., 1, p. 272, pl. 27, fig. 3, 1844.
- rufiventris* Chevrolat, Guér. Mag. Zool., (2), 5, p. 11, 1843 (nom. nud.).
- var. *jouteli* Leng, Journ. N. Y. Ent. Soc., 17, p. 103, 1909. North Carolina, Georgia

Genus *Trichodes* Herbst

*Trichodes* Herbst, Natursyst. Ins., Käfer, 4, p. 154, 1792.



*Clerus* Curtis, Brit. Ent., 1, pl. 44, 1824.

Genotype: *Clerus alvearius* Fabricius, Ent. Syst., 1, pt. 1, p. 209, 1792 (Europe)

- apivorus** Germar, Ins. Spec. Nov., 1, p. 81, 1824. Massachusetts to Florida, Alabama, Nebraska, Texas, Mexico
- nutalli* Say, Boston Journ. Nat. Hist., 1, p. 164, 1835 (not Kirby 1818).
- var. *borealis* Wolcott and Chapin, Bull. Brooklyn Ent. Soc., 13, p. 108, 1918.
- interruptus* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 18, 1849 (not Klug 1842).
- basalis** Van Dyke, Pan-Pac. Ent., 19, p. 41, 1943. California
- bibalteatus** LeConte, Journ. Acad. Nat. Sci. Phila., (2), 4, p. 18, 1858. Oklahoma, Texas
- bicinctus** Green, Ent. News, 28, p. 367, 1917. Texas
- bimaculatus** LeConte, Trans. Amer. Ent. Soc., 5, p. 63, 1874. California
- bisignatus* Horn, op. cit., 5, p. 231, 1876.
- horni** Wolcott and Chapin, Bull. Brooklyn Ent. Soc., 13, p. 107, 1918. Arizona, Lower California
- illustris* Horn, Trans. Amer. Ent. Soc., 5, p. 231, fig., 1876 (not Klug 1842).
- nexus** Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 372, pl. 5, fig. 5, 1910. Lower California
- nutalli** Kirby, Trans. Linn. Soc. London, 12, p. 394, 1818. Maine to Florida, Michigan, Minnesota, South Dakota, Colorado
- nuthalli* Spinola, Monog. Clér., 1, p. 317, pl. 31, fig. 2, 1844.
- nutalli* auctorum.
- oresterus** Wolcott, Field Mus. Nat. Hist., Zool. Ser., 7, p. 368, pl. 5, fig. 4, pl. 6, fig. 21, 1910. Texas
- ornatus** Say, Journ. Acad. Nat. Sci. Phila., 3, p. 189, 1823. Alaska, British Columbia, Alberta, Montana, Utah, Nevada, Arizona, New Mexico, Texas
- douglasianus* White, Nomencl. Coleop. Ins. Brit. Mus., 4, p. 60, 1849.
- hartwegianus* White, loc. cit.
- tenellis* LeConte, Proc. Acad. Nat. Sci. Phila., 10, p. 72, 1858.
- var. *obsoletus* Wolcott, Pan-Pac. Ent., 20, p. 59, 1944. Arizona
- peninsularis** Horn, Proc. Calif. Acad. Sci., (2), 4, p. 382, pl. 8, fig. 7, 1904. Arizona, Lower California
- simulator** Horn, Trans. Amer. Ent. Soc., 8, p. 149, 1880. Colorado, Utah, Wyoming, Arizona, New Mexico
- flarescens* Cockerell, Bull. New Mex. Exp. Sta., 28, p. 155, 1898.

### Genus *Aulicus* Spinola

*Aulicus* Spinola, Monog. Clér., 1, p. 328, 1844.

Genotype: *Aulicus nero* Spinola

- bicinctus* Linsley, Univ. Calif. Publ. Ent., 6, p. 255, fig. 12, 1936. California
- dentipes* Schaeffer, Proc. U. S. Nat. Mus., 59, p. 157, 1921. California, Arizona, New Mexico, Texas
- femoralis* Schaeffer, Journ. N. Y. Ent. Soc., 25, p. 132, 1917. Arizona, Texas
- fissipes* Schaeffer, Proc. U. S. Nat. Mus., 59, p. 155, 1921. Arizona; Lower California
- humeralis* Linsley, Univ. Calif. Publ. Ent., 6, p. 252, fig. 2, 1936. Lower California, Gulf of California, Mexico
- monticola* Gorham, Biol. Centr.-Amer., Ins.-Coleop., 3, pt. 2, p. 146, pl. 8, fig. 18, 1882. Arizona, Texas, Mexico
- nero* Spinola, Monog. Clér., 1, pp. 330, 331, pl. 27, fig. 5, 1844. Mexico, ?Southern or Lower California
- nigriventris* Schaeffer, Proc. U. S. Nat. Mus., 59, p. 156, 1921. Arizona, Mexico
- terrestris* Linsley, Pan-Pac. Ent., 9, p. 95, 1933. California

### Genus *Serriger* Spinola

*Serriger* Spinola, Monog. Clér., 1, p. 170, 1844.

Genotype: *Serriger reichei* Spinola

- reichei* Spinola, Monog. Clér., 1, p. 171, pl. 12, fig. 3, 1844. Idaho, California, Mexico
- antennatus* Schaeffer, Proc. U. S. Nat. Mus., 59, p. 158, 1921.

### Genus *Xenoclerus* Schenkling

*Xenoclerus* Schenkling, Bull. Mus. Hist. Nat. Paris, 8, p. 327, 1902.

Genotype: *Trogodendron edwardsi* Horn

- edwardsi* Horn, Trans. Amer. Ent. Soc., 8, p. 149, pl. 3, fig. 8, 1880. Arizona, California

### Subfamily EPIPHLOEINAE

#### Genus *Phlogistosternus* Wolcott

*Phlogistosternus* Wolcott, Journ. N. Y. Ent. Soc., 52, p. 124, 1944.

*Phyllobaenus* Spinola, Monog. Clér., 2, p. 1, 1844 (not Dejean 1837).

Genotype: *Enoplium dislocatum* Say

- californicus* Van Dyke, Bull. Brooklyn Ent. Soc., 18, p. 47, 1923. California

- dislocatus** Say, Journ. Acad. Nat. Sci. Phila., 5, p. 176, 1825. Canada to Georgia, Wisconsin, Illinois, Kansas, Colorado, Texas
- distrophus* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 374, 1842.
- transversalis* Spinola, Monog. Clér., 2, p. 4, pl. 40, fig. 6, 1844.
- merkeli** Horn, Proc. Calif. Acad. Sci., (2), 6, p. 374, 1896. Arizona, New Mexico

### Genus *Neichnea* Wolcott and Chapin

- Neichnea* Wolcott and Chapin, Bull. Brooklyn Ent. Soc., 13, p. 108, 1918.
- Ichnea* Castelnau, Silberm. Rev. Ent., 4, p. 55, 1836 (part).
- Ellipotoma* Wolcott in Blatchley, Bull. Ind. Dept. Geol. Nat. Res., 1, p. 858, 1910 (not Spinola 1844).
- Genotype: *Enoplium laticornis* Say
- laticornis** Say, Boston Journ. Nat. Hist., 1, p. 164, 1835. Canada to North Carolina, Illinois

### Genus *Ichnea* Castelnau

- Ichnea* Castelnau, Silberm. Rev. Ent., 4, p. 55, 1836.
- Genotype: *Ichnea lycoides* Castelnau, loc. cit., p. 55 (Brazil)
- elongata** Knull, Ann. Ent. Soc. Amer., 32, p. 27, pl. 1, fig. 4, 1939. Arizona

## Subfamily ENOPLIINAE

### Genus *Orthopleura* Spinola

- Orthopleura* Spinola, Monog. Clér., 2, p. 80, 1844.
- Dermestoides* Schaeffer, Icon. Ins., 3, pl. 220, fig. 4, 1771.
- Genotype: *Tillus damicornis* Fabricius
- damicornis** Fabricius, Suppl. Ent. Syst., p. 117, 1798. New York to Florida, Illinois, Kansas, Texas, Lower California, Mexico
- nigripennis* Spinola, Monog. Clér., 2, p. 82, 1844.
- ?pennsylvanica* Chevrolat, Rev. Mag. Zool., (3), 2, p. 325, 1874.
- thoracica* Say, Journ. Acad. Nat. Sci. Phila., 3, p. 188, 1823.
- punctatissima** Chevrolat, Ann. Soc. Ent. France, (2), 1, p. 34, 1843. Texas
- bimaculata* Melsheimer, Proc. Acad. Nat. Sci. Phila., 2, p. 307, 1846.
- texana** Bland, Proc. Ent. Soc. Phila., 1, p. 356, 1863. Texas



Genus *Pelonides* Kuwert

- Pelonides* Kuwert, Ann. Soc. Ent. Belg., 38, p. 8, 1894.  
*Pyticara* Spinola, Rev. Zool., 4, p. 75, 1841 (nom. nud.).  
 Genotype: *Enoplium quadripunctatum* Say
- granulatipennis** Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 220, 1904. Arizona, New Mexico, Texas, Mexico
- humeralis** Horn, Trans. Amer. Ent. Soc., 2, p. 135, 1868. New Mexico, Texas, Mexico  
*militaris* Chevrolat, Rev. Mag. Zool., (3), 2, p. 324, 1874.  
 var. *perroudi* Pic, L'Echange, 49, p. 12, 1933. Texas
- nigrescens** Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 221, 1904. Texas
- quadripunctatus** Say, Journ. Acad. Nat. Sci. Phila., 3, p. 188, 1823. Ohio, Indiana, Arkansas, Kansas, Texas  
 var. *quadrinotatus* Haldeman, Proc. Acad. Nat. Sci. Phila., 6, p. 362, 1853.
- scabripennis** LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 98, 1866. Lower California
- similis** Knull, Ohio Journ. Sci., 38, p. 97, 1938. Texas

Genus *Chariessa* Perty

- Chariessa* Perty, Del. Anim. Artic., p. 109, 1830.  
*Brachymorphus* Chevrolat, Coleop. Mexico, Cent. II, Fasc. 7, No. 150, 1835.  
*Pelonium* Spinola, Monog. Clér., 1, p. 347, 1844 (part).  
*Philyra* Castelnau, Silberm. Rev. Ent., 4, p. 53, 1836.  
*Tarandocerus* Chevrolat, Mem. Clér., p. 7, 1876.  
 Genotype: *Chariessa ramicornis* Perty, Del. Anim. Artic., p. 109, pl. 22, fig. 3, 1830 (Brazil)
- dichroa** LeConte, Repts. Expl. Surv. Miss.-Pacif., 12; Zool. Rept. No. 1, p. 48, 1859. California
- elegans** Horn, Trans. Amer. Ent. Soc., 3, p. 87, 1870. British Columbia, Oregon, California, Texas  
*lemberti* Rivers, Zoe, 6, p. 396, 1894.
- floridana** Schaeffer, Journ. N. Y. Ent. Soc., 25, p. 133, 1917. Florida (Key Largo)
- pilosa** Forster, Nov. Spec. Ins., p. 49, 1781. Canada to Florida, west to Montana, Kansas, Oklahoma, and Texas  
 var. *marginata* Say, Journ. Acad. Nat. Sci. Phila., 3, p. 187, 1823.  
*cincta* Spinola, Monog. Clér., 1, p. 358, pl. 36, fig. 4, 1844.  
*onusta* Say, Amer. Ent., 3, pl. 41, fig. 1, 1828.
- texana** Wolcott, Ent. News, 19, pp. 70 (key), 72, 1908. Texas

- vestita* Chevrolat, Coleop. Mexico, Cent. II, Fasc. 7, No. 150, 1835. Texas, Mexico, Costa Rica  
*spectabilis* Castelnau, Silberm. Rev. Ent., 4, p. 50, 1836.

### Genus *Corinthiscus* Fairmaire and Germain

- Corinthiscus* Fairmaire and Germain, Coleop. Chilensia, II, p. 4, 1861.  
*Pelonium* Spinola, Monog. Clér., 1, p. 347, 1844 (part).  
 Genotype: *Corinthiscus insignicornis* Fairmaire and Germain, Coleop. Chilensia, II, p. 4, 1861 (Chile)
- fasciatus* LeConte, Ann. Lyc. Nat. Hist. N. Y., 5, p. 214, 1852. California, Texas  
 var. *trilobatus* Van Dyke, Bull. Brooklyn Ent. Soc., 10, p. 32, 1915. California
- granulosus* Wolcott, Bull. Wisc. Nat. Hist. Soc., 7, p. 100, 1909. Texas
- leucophaeus* Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 366, 1842. District of Columbia to Florida, Ohio, Illinois, Missouri, Kansas, Texas, Lower California  
 var. *vetustus* Spinola, Monog. Clér., 1, p. 360, pl. 35, fig. 4, 1844.  
 var. *albomaculatus* Ziegler, Proc. Acad. Nat. Sci. Phila., 2, p. 268, 1845.  
 var. *venustus* Haldeman, op. cit., 3, p. 126, 1847.
- maculicollis* Schaeffer, Journ. N. Y. Ent. Soc., 12, p. 219, 1904. Texas
- peninsularis* Schaeffer, op. cit., 25, p. 132, 1917. Lower California

### Genus *Cregya* LeConte

- Cregya* LeConte, Smiths. Misc. Coll., 3, No. 136, 1st ed., p. 197, 1861.  
*Galeruclerus* Gahan, Ann. Mag. Nat. Hist., (8), 5, p. 75, 1910.  
 Genotype: *Clerus oculus* Say
- mixta* LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 98, 1866. Maryland to Louisiana, Ohio, Kentucky, Texas
- oculata* Say, Boston Journ. Nat. Hist., 1, p. 163, 1835. Massachusetts, District of Columbia, Louisiana, Illinois, Kansas, Texas  
 var. *marginipennis* Spinola, Monog. Clér., 1, p. 363, pl. 35, fig. 6, 1844.
- quadrisignata* Spinola, loc. cit., p. 365, pl. 33, fig. 3. Texas, Central America  
 var. *bilineicollis* Chevrolat, Rev. Mag. Zool., (3), 2, p. 327, 1874. Texas

*quadrinotata* Chevrolat, loc. cit., p. 328.

*uncinata* Chevrolat, loc. cit.

### Subfamily KORYNETINAE<sup>1</sup>

#### Genus *Tarsostenus* Spinola

*Tarsostenus* Spinola, Monog. Clér., 1, p. 287, 1844.

Genotype: *Clerus univittatus* Rossi

**univittatus** Rossi, Fauna Etrusc., 1, p. 44, 1792.

Cosmopolitan

*albofasciatus* Melsheimer, Proc. Acad. Nat. Sci. Phila., 2, p. 306, 1846.

*biguttatus* Montrouzier, Ann. Soc. Ent. France, (3), 8, p. 260, 1860.

*fasciatellus* Spinola, Monog. Clér., 2, p. 172, pl. 8, fig. 5, 1844.

*fasciatus* Curtis, Brit. Ent., 6, pl. 270, 1832.

*moerens* Westwood in White, Nomencl. Coleop. Ins. Brit. Mus., 4, p. 57, 1849.

*picipennis* Westwood in White, loc. cit., p. 48.

*succinctus* Chevrolat, Rev. Zool., 5, p. 277, 1842.

#### Genus *Lebasiella* Spinola

*Lebasiella* Spinola, Monog. Clér., 2, p. 77, 1844.

Genotype: *Lebasiella erythrodera* Spinola,<sup>2</sup> loc. cit., p. 79, pl. 43, fig. 1 (Columbia)

**discolor** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 353, 1842. Texas, Mexico

var. *tibialis* Schenkling, Deutsch. Ent. Zeitschr., 1898, p. 368, 1898. California, Mexico

**marginella** Chevrolat, Ann. Soc. Ent. France, (2), 1, p. 42, 1843. California, Mexico

**pallipes** Klug, Abh. König. Akad. Wiss. Berlin, 1840-42, p. 353, 1842. Pennsylvania, Texas, Mexico

*nigripennis* LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 99, 1866.

<sup>1</sup> *Erolestus cleroides* Wolcott (1927, p. 108) was described as a new genus and species from Tioga County, Pennsylvania, on the basis of an erroneous locality label and should not be included in the North American lists. It is a synonym of the Australian *Blackburniella intricata* Blackburn.

The North American species formerly included in *Korynetes* are here transferred to *Loedelia*. *Korynetes* is not represented in our fauna. The only New World species left in the genus are Chilean and further study may show that these are improperly placed.

<sup>2</sup> Gorham, in Trans. Ent. Soc. London, 1878, p. 156, cites *Orthopleura lepida* Klug as type of *Lebasiella*. As *lepida* Klug was not originally included in the genus, the citation is invalid.

Genus *Loedelia* Lucas

*Loedelia* Lucas, Arch. Naturg., 84, Abt. A, p. 380, 1920.

*Necrobioides* Gahan, Ann. Mag. Nat. Hist., (8), 5, p. 76, 1910 (not Fairmaire 1882).

Genotype: *Necrobioides mexicanus* Gahan, loc. cit. (Mexico)

- discoidea** LeConte, Trans. Kans. Acad. Sci., 7, p. 77, 1881. Arizona
- janthina** LeConte, Smiths. Misc. Coll., 6, No. 167, 2d ed., p. 99, 1866. Lower California
- maculicollis** LeConte, Trans. Amer. Ent. Soc., 5, p. 63, 1874. California
- filiolus* Chevrolat, Rev. Mag. Zool., (3), 2, p. 326, 1874.
- lineatocolle* Chevrolat, loc. cit.
- var. *nigricollis* Wolcott, Coleop. Contr., 1, p. 110, 1927. California

Genus *Necrobia* Olivier

*Necrobia* Olivier, Ent., 4, No. 76bis, p. 5, 1795.

*Agonolia* Mulsant and Rey, Col. France, 14, Angusticolles, p. 122, 1863.

Genotype: *Dermestes violaceus* Linnaeus

- mesosternalis** Schaeffer, Journ. N. Y. Ent. Soc., 16, p. 135, 1908. Arizona, Mexico
- ruficollis** Fabricius, Syst. Ent., p. 57, 1775. Cosmopolitan
- var. *knochei* Kolbe, Breslau Jahresh. Ver. Insektenk., 5, p. 9, 1912.
- rufipes** DeGeer, Mem., 5, p. 165, pl. 15, fig. 4, 1775. Cosmopolitan
- amethystina* Stephens, Ill. Brit. Ent., Mandib., 5, p. 417, 1832.
- dermestoides* Piller and Mitterpacher, Iter Poseg., p. 68, pl. 7, fig. 8, 1783.
- foveicollis* Schenkling, Mitt. Mus. Naturhist. Hamburg, 17, p. 20, 1900.
- glabra* Champollion, Mag. Encycl. Millin., 3, p. 41, 1814.
- mumiarum* Hope in Pettigrew, Hist. Egypt. Mum., p. 54, pl. 5, figs. 1-3, 1834.
- pilifera* Reitter, Verh. Nat. Ver. Brünn, 32, p. 85, 1894.
- var. *aeneipennis* Csiki, Rovart. Lapok, 7, p. 124, 1900.
- violacea** Linnaeus, Syst. Nat., ed. 10, 1, p. 356, 1758. Cosmopolitan
- angustata* Faldermann, Nouv. Mém. Soc. Nat. Moscou, 4, p. 210, 1835.
- chalybea* Sturm, Deutschl. Fauna, Ins.-Käfer, 11, p. 43, pl. 232, figs. A-O, 1837.
- errans* Melsheimer, Proc. Acad. Nat. Sci. Phila., 2, p. 307, 1846.
- quadra* Marsham, Ent. Brit., 1, p. 323, 1802.

Genus *Opetiopalpus* Spinola<sup>1</sup>

*Opetiopalpus* Spinola, Monog. Clér., 2, p. 110, 1844.

*Opetiopselaphus* Gemminger and Harold, Cat. Coleop., 6, p. 1759, 1869.

Genotype: *Clerus scutellaris* Panzer

**luridus** Spinola, Monog. Clér., 2, p. 113, pl. 45, fig. 5, 1844. ?North America

<sup>1</sup> *Opetiopalpus luridus* Spinola is retained in the catalogue with reservations. It seems highly probable that the species was described as being from the United States on the basis of mislabeled specimens. Apparently neither specimens referable to this species nor species referable to this Old World genus have been found in the New World during the past century.



## BIBLIOGRAPHY

BLAND, JAMES H. B.

1863. Description of a few supposed new species of North American Coleoptera. Proc. Ent. Soc. Phila., 1, (1861-63), pp. 353-356.

BÖVING, ADAM G., and CHAMPLAIN, A. B.

1920. Larvae of North American beetles of the family Cleridae. Proc. U. S. Nat. Mus., 57, pp. 575-649, 12 pls.

BRADLEY, J. CHESTER

1930. A manual of the genera of beetles of America north of Mexico. 10+360 pp. Ithaca, New York.

BRITTON, WILTON E.

1920. Check list of the insects of Connecticut. Bull. Conn. Geol. Nat. Hist. Surv., 31, 397 pp.

CASEY, THOMAS L.

1897. Coleopterological notices—VII. Ann. N. Y. Acad. Sci., 9, pp. 285-684.

CASTELNAU, LA PORTE DE

1836. Etudes entomologiques, ou descriptions d'insectes nouveaux et observations sur la synonymie. Silberm. Rev. Ent., 4, pp. 5-60.

CAZIER, MONT A.

1939. A new Arizona *Priocera*, with a key to species (Coleoptera: Cleridae). Pan-Pac. Ent., 15, pp. 162-164.

CHAMPOLLION-FIGEAC, JEAN F.

1814. Note sur une nouvelle espèce d'insecte du genre *Corynetes*, Fabricius, trouvée dans une momie égyptienne, observée à Grenoble. Mag. Encycl. Millin., 3, pp. 41-46.

CHAPIN, EDWARD A.

1917. Studies in the Hydnocerini (Col.). The hydnoceroid genera. Bull. Brooklyn Ent. Soc., 12, pp. 83-85.

1918a. A new *Hydnocera* (Coleoptera: Cleridae). Proc. Biol. Soc. Wash., 31, pp. 107-108.

1918b. See WOLCOTT, A. B., and CHAPIN, E. A.

1922. New North American *Hydnocera* (Col.). Proc. Biol. Soc. Wash., 35, pp. 55-58.

1924. Classification of the Philippine components of the coleopterous family Cleridae. Philipp. Journ. Sci., 25, pp. 159-286, 5 pls.

1927. Notes on North American Tillinae, with description of a new *Cymatodera* (Col.: Cleridae). Proc. Biol. Soc. Wash., 40, pp. 143-146.

CHENU, JEAN C.

1860. Encyclopédie d'histoire naturelle ou traité complet de cette science d'après les travaux des naturalistes les plus éminents. . . . Coleoptera, 2, 312 pp., 231 figs., 40 pls. Paris.



## CHEVROLAT, L. A. AUGUSTE

- 1833-35. Coléoptères du Mexique. 8 fasc. in 1 vol. Strasbourg.  
 1842. Descriptions de quelques Térédiles de l'Afrique Australe, du voyage de M. Drege. Rev. Zool., 5, pp. 276-278.  
 1843a. Coléoptères du Mexique (Pentamerès: Hydrocanthares, Sternoxes, Térédiles, Necrophages, Lamellicornes). Guér. Mag. Zool., (2), 5, pp. 1-37.  
 1843b. Description de vingt-quatre nouvelles espèces de Térédiles, pour faire suite à la monographie des Clairones de M. le Docteur Klug. Ann. Soc. Ent. Fr., (2), 1, pp. 31-42.  
 1874. Catalogue des Clérides de la collection de M. A. Chevrolat. Rev. Mag. Zool., (3), 2, pp. 252-329.  
 1876. Memoire sur la famille des Clérites. 51 pp. Paris.  
 1880. Descriptions d'un Cléride et de deux Calandrides nouveaux. Bull. Soc. Ent. Fr., (5), 10, pp. 31-32.

## COCKERELL, THEODORE D. A.

1898. *Trichodes simulator* var. *flavescens* Ckll. Bull. N. Mex. Agr. Exper. Sta., 28, p. 155.

## CORPORAAL, J. B.

1939. Revision of the Thaneroclerinae (Cleridae, Col.). Bijdr. Dierk., Leiden, 27, (1938), pp. 347-359, 3 pls.

## CSIKI, ERNEST

1900. A magyarországi Cleridák. Rovartani Lapok, 7, pp. 117-124.

## CURTIS, JOHN

- 1823-40. British entomology, being illustrations and descriptions of the genera of insects found in Great Britain and Ireland. . . . 16 vols., 770 col. pls.

## DEJEAN, (Count) P. F. M. A.

1837. Catalogue des Coléoptères de la collection de M. le baron Dejean. 3rd ed. (rev.). 14+503 pp. Paris.

## DURY, CHARLES

1906. Ecological notes on some Coleoptera of the Cincinnati region, including seven new species. Journ. Cincinn. Soc. Nat. Hist., 20, pp. 251-256.

## ERICHSON, WILHELM F.

1847. Conspectus Insectorum Coleopterorum quae in Republica Peruana observata sunt. Arch. Naturg., 13, pp. 67-185.

## FABRICIUS, JOHANN C.

1775. Systema entomologiae, sistens Insectorum classes, ordines, genera, species, adjectis synonymis, locis, descriptionibus, observationibus. 30+832 pp. Flensburgi et Lipsiae.  
 1777. Genera Insectorum eorumque characteres naturales . . . adjecta mantissa specierum nuper detectarum. 14+310 pp. Chilonii.  
 1787. Mantissa Insectorum sistens eorum species nuper detectas adjectis characteribus generis, differentiis specificis, emendationibus, observationibus. 2 vols., 20+730 pp. Hafniae.  
 1792. Entomologia systematica emendata et aucta, secundum classes, ordines, genera, species, adjectis synonymis, locis, observationibus, descriptionibus. 1, pt. 1, 330+20 pp. Hafniae.  
 1798. Supplementum entomologiae systematicae. 2+572 pp. Hafniae.

## FAIRMAIRE, LEON, and GERMAIN, P.

1861. Coleoptera Chilensia—II. 4 pp. Paris. (Pt. II privately printed. Pt. I appeared in Rev. Zool., (2), 12, pp. 267-269.)



## FALDERMANN, FRANZ

1835. *Additamenta entomologica ad faunam Rossicam in itineribus 1827-1831 collecta*. *Nouv. Mém. Soc. Nat. Moscou*, 4, pp. 1-310, 10 pls. (Title later changed to "Fauna Entomologica Transcaucasica," of which this paper formed vol. 1.)

## FALL, HENRY C.

1901. List of the Coleoptera of southern California, with notes on habits and distribution and descriptions of new species. *Occ. Pap. Calif. Acad. Sci.*, 8, pp. 1-282.
1906. New Coleoptera from the southwest—II. *Can. Ent.*, 38, pp. 113-117.
1907. Descriptions of new species *in* H. C. FALL and T. D. A. COCKERELL, *The Coleoptera of New Mexico*. *Trans. Amer. Ent. Soc.*, 33, pp. 218-272.

## FORSTER, JOHANN R.

1781. *Novae species Insectorum*. *Centuria I*, 8+100 pp. London.

## GAHAN, CHARLES J.

1910. Notes on Cleridae and descriptions of some new genera and species of this family of Coleoptera. *Ann. Mag. Nat. Hist.*, (8), 5, pp. 55-76.

## GEER, CARL DE

1775. *Memoires pour servir à l'histoire des insectes*. 5, 5+448 pp., 16 pls. Stockholm.

GEMMINGER, MAX, and HAROLD, (*Baron*) E. VON

1869. Cleridae (fam. 43). *Catalogus Coleopterorum*, . . . 6, pp. 1722-1759. *Monachii*.

## GERMAR, ERNST F.

1824. *Insectorum species novae aut minus cognitae, descriptionibus illustratae*. *Coleoptera*, 1, 24+624 pp., 2 pls. Halae.

## GORHAM, HENRY S.

1876. Notes on the coleopterous family Cleridae with descriptions of new genera and species. *Cist. Ent.*, 2, (1875-82), pp. 57-106.

1878. Descriptions of new genera and species of Cleridae, with notes on the genera and corrections of synonymy. *Trans. Ent. Soc. Lond.*, 1878, pt. 2, pp. 153-167.

- 1882-86. Cleridae. *Biol. Centr.-Amer., Ins.-Coleop.*, 3, pt. 2, pp. 129-168 (1882); 169-193 (1883); suppl. pp. 332-346 (1886); pls. 7-10, 12, 13.

GRAY, GEORGE. *See* GRIFFITH, EDWARD

## GREEN, J. WAGENER

1917. A new *Trichodes* (Cleridae, Coleop.). *Ent. News*, 28, p. 367.

## GRIFFITH, EDWARD

1832. Supplement on the Serricornes *in* *The animal kingdom arranged in conformity with its organization by the Baron Cuvier*, with supplementary additions to each order by Edward Griffith and notices of new genera and species by George Gray, Esq. 14, *Ins.*, 1, pp. 356-383, pls. 39, 48, 61.

## HALDEMAN, SAMUEL S.

1847. On several new genera and species of insects. *Proc. Acad. Nat. Sci. Phila.*, 3, (1846-47), No. 6 (1846), pp. 124-128.

1853. Descriptions of some new species of insects, with observations on described species. *Proc. Acad. Nat. Sci. Phila.*, 6, (1852-53), No. 9, pp. 361-365.

## HERBST, JOHANN F. W.

1792. Natursystem aller bekannten in- und ausländischen Insekten als eine Fortsetzung der von Büffonschen Naturgeschichte. Käfer, 4, 197 pp., 12 col. pls. Berlin.

## HOPE, FREDERIC W.

1834. Notices of several species of insects found in the heads of Egyptian mummies in T. J. PETTIGREW, A history of Egyptian mummies, . . . p. 54, pl. 5, figs. 1-3. London.

## HORN, GEORGE H.

1868. New species of Coleoptera from the Pacific district of the United States. Trans. Amer. Ent. Soc., 2, (1868-69), pp. 129-140.
1870. Contributions to the coleopterology of the United States. Idem, 3, (1870-71), pp. 69-109.
1871. Descriptions of new Coleoptera of the United States. Idem, 3, (1870-71), pp. 325-344, 3 figs., 1 pl.
1876. Synopsis of the species of *Cymatodera* and *Trichodes* of the United States. Idem, 5, (1874-76), pp. 220-232, 1 fig., 1 pl.
1880. Contributions to the coleopterology of the United States. No. 3. Idem, 8, pp. 139-154, 1 pl.
1885. Contributions to the coleopterology of the United States. No. 4. Idem, 12, pp. 128-162, 2 pls.
1891. *Trichodes ornatus* Say. Ent. News, 2, pp. 6-8, 2 figs.
1894. The Coleoptera of Baja California. Proc. Calif. Acad. Sci., (2), 4, pp. 302-449, 2 pls.
1896. Coleoptera of Baja California. Suppl. II. Idem, (2), 6, pp. 367-381.

## JACQUELIN DU VAL, P. N. CAMILLE

1860. Cleridae. Manuel entomologique. Genera des Coléoptères d'Europe, 3, pp. 193-204, pls. 48-50 (col.).

## KIRBY, WILLIAM

1818. A century of insects, including several new genera described from his cabinet. Trans. Linn. Soc. Lond., 12, pt. 2, pp. 375-453, 2 col. pls.
1826. A description of two new species of coleopterous insects belonging to the genera *Cremastocheilus* and *Priocera*. Zool. Journ., London, 2, pp. 516-518.
1837. The insects in J. RICHARDSON, Fauna Boreali-Americana, 4, 39+325 pp., 8 col. pls. London.

## KLUG, JOHANN C. F.

1842. Versuch einer systematischen Bestimmung und Auseinandersetzung der Gattungen und Arten der Clerii, einer Insektenfamilie aus der Ordnung der Coleopteren. Abh. König. Akad. Wiss. Berlin, 1840-42, pp. 259-397, 2 col. pls.

## KNULL, JOSEF

1928. Descriptions of two new species of *Acmaeodera* (Buprestidae) with notes on other Coleoptera (Cleridae, Cerambycidae, Platystomidae, Curculionidae). Ent. News, 39, pp. 314-316.
1934. Five new species of Coleoptera (Cleridae, Elateridae, Buprestidae and Cerambycidae). Idem, 45, pp. 9-13.
1938. Five new species of Coleoptera (Corynetidae, Elateridae and Buprestidae). Ohio Journ. Sci., 38, pp. 97-100.
1939. Four new Arizona Coleoptera (Cleridae, Corynetidae and Buprestidae). Ann. Ent. Soc. Amer., 32, pp. 27-31, 1 pl.

1940. Four new species of western Coleoptera (Cleridae, Buprestidae, and Cerambycidae). *Idem*, 33, pp. 555-559, 6 figs.
1946. A new species of *Tillus* from Arizona (Coleoptera, Cleridae). *Ohio Journ. Sci.*, 46, p. 72.

KOLBE, HERMANN J.

1912. Beiträge zur schlesische Käferfauna. *Jahresh. Ver. schles. Insektenk. Breslau* (earlier *Zeitschr. Ent.*), 5, pp. 9-11.

KUWERT, AUGUST F.

1894. Die Enopliinengattungen der Cleriden und einige amerikanische Arten derselben. *Ann. Soc. Ent. Belg.*, 38, pp. 6-13.

LATREILLE, PIERRE A.

1806. *Genera Crustaceorum et Insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata*. 1, 18+302 pp., 1+16 col. pls. Parisiis et Argentorati.

LECONTE, JOHN L.

1849. Synopsis of the coleopterous insects of the group Cleridae, which inhabit the United States. *Ann. Lyc. Nat. Hist. N. Y.*, 5, (1851-52), pp. 9-35. (The publication of this paper in the *Annals* in 1851 was preceded by pre-publication in author's separates, which were distributed in 1849 with pp. 1-27.)
- 1851-52. Descriptions of new species of Coleoptera, from California. *Idem*, 5, pp. 125-216. (Cleridae, pp. 212-214, published in 1852.)
1853. Descriptions of twenty new species of Coleoptera inhabiting the United States. *Proc. Acad. Nat. Sci. Phila.*, 6, (1852-53), No. 7, pp. 226-235.
1854. Notice of some coleopterous insects, from the collections of the Mexican Boundary Commission. *Idem*, 7, (1854-55), No. 3, pp. 79-85.
- 1858a. Catalogue of the Coleoptera of the regions adjacent to the boundary line between the United States and Mexico. *Journ. Acad. Nat. Sci. Phila.*, (2), 4, pp. 9-42.
- 1858b. Descriptions of new species of Coleoptera, chiefly collected by the United States Mexican Boundary Commission under Major W. H. Emory, U.S.A. *Proc. Acad. Nat. Sci. Phila.*, 10, pp. 59-89.
- 1859a. Report upon the insects collected on the survey. *Repts. Expl. Surv. Miss. to Pacif.* (Senate ed.), 12, Book II, pt. III, *Zool. Rept. No. 1*, pp. 1-72, 2 pls. (Main work also cited as *Repts. U. S. Pac. R. R. Expl. Surv.*; LeConte paper also cited as *Ent. Rept. Surv. Terr.* 1857.)
- 1859b. Catalogue of the Coleoptera of Fort Tejon, California. *Proc. Acad. Nat. Sci. Phila.*, 11, pp. 69-90.
- 1861a. Classification of the Coleoptera of North America. Part 1. *Smiths. Misc. Coll.*, 3, No. 136, (1st ed.), pp. 1-208.
- 1861b. New species of Coleoptera inhabiting the Pacific district of the United States. *Proc. Acad. Nat. Sci. Phila.*, 13, pp. 338-359.
- 1866a. List of the Coleoptera of North America. Part I. *Idem*, 6, No. 140, (2nd ed.), pp. 1-78.
- 1866b. New species of North American Coleoptera. Part I. *Smiths. Misc. Coll.*, 6, No. 167, (2nd ed.), pp. 1-177.
1874. Descriptions of new Coleoptera chiefly from the Pacific slope of North America. *Trans. Amer. Ent. Soc.*, 5, (1874-76), pp. 43-72.
1876. Report upon new species of Coleoptera collected by the expeditions for geographical surveys west of the one hundredth meridian, in charge of Lieut. Geo. M. Wheeler, United States Army. *Ann. Rept. Chief Engrs., App. JJ*, pp. 516-520.
1880. Short studies of North American Coleoptera. *Trans. Amer. Ent. Soc.*, 8, pp. 163-218.

1881. [Descriptions of new species] in J. L. LECONTE and G. H. HORN, Descriptions of new species of North American Coleoptera. Trans. Kans. Acad. Sci., 7, (1879-80), pp. 74-77.
1884. Short studies of North American Coleoptera. No. 2. Trans. Amer. Ent. Soc., 12, (1885), pp. 1-32.
- and HORN, GEORGE H.
1883. Classification of the Coleoptera of North America. Smiths. Misc. Coll., 26, No. 507, pp. 1-567.
- LEFEBVRE, ALEXANDRE
1835. Description d'un Coléoptère nouveau du genre *Clerus* sous ses divers états. Ann. Soc. Ent. Fr., (1), 4, pp. 575-586, 1 fig.
1838. Nouvelles diverses. Bull. Soc. Ent. Fr., (1), 7, pp. 10-13.
- LENG, CHARLES W.
1909. A new *Clerus*. Journ. N. Y. Ent. Soc., 17, pp. 103-104.
1920. Catalogue of the Coleoptera of America, north of Mexico. 10+470 pp. Mount Vernon, N.Y.
- LINNAEUS, CAROLUS
1758. Systema naturae, . . . 10th ed., 1, 823 pp. Holmiae.
- LINSLEY, E. GORTON
1933. A new California clerid beetle. Pan-Pac. Ent., 9, p. 95.
1936. Studies in the genus *Aulicus*. Univ. Calif. Publ. Ent., 6, pp. 249-262, 17 figs.
- LUCAS, ROBERT
1920. Catalogus alphabeticus generum et subgenerum Coleopterorum orbis terrarum totius. Arch. Naturg., 84, (1918), Abt. A, Hft. 1-5, 30+696 pp.
- MANNERHEIM, (*Baron*) CARL G.
1843. Beitrag zur Käferfauna der Aleutischen Inseln, der Insel Sitka und Neu-Californiens. Bull. Soc. Imp. Nat. Moscou, 16, pp. 175-314.
- MARSHAM, THOMAS
1802. Entomologia Britannica, sistens insecta Britanniae indigena secundum Linneum disposita. 1, Coleop., 31+547 pp. London.
- MATSUMURA, S.
- ?1935. [Description of *Metademius tabacci* n. sp.] Dainippon Gaichuzensho, 2, p. 234. Paper not seen. Title not available.
- MELSHEIMER, FRIEDRICH
1846. Descriptions of new species of Coleoptera of the United States. Proc. Acad. Nat. Sci. Phila., 2, (1844-45), pp. 302-318.
- MONTROUZIER, *Rev. Père*
1860. Essai sur la faune entomologique de la Nouvelle-Calédonie (Balade) et des Iles des Pins, Art, Lifu, etc. Ann. Soc. Ent. Fr., (3), 8, pp. 229-308, 1 pl.
- MULSANT, ETIENNE, and REY, CLAUDIUS
- 1863-64. Histoire naturelle des Coléoptères de France. 14, Angusticolles, pp. 3+134, 2 pls.
- NEWMAN, EDWARD
1838. Entomological notes. Ent. Mag., London, 5, pp. 168-181, 372-402, 483-500.



1840. Descriptions of some new species of coleopterous insects. *Mag. Nat. Hist.*, (2), 4, pp. 362-368.

OLIVIER, ANTOINE G.

1789-1807. *Entomologie, ou histoire naturelle des insectes*, . . . Coleopteres. 6 vols. and atlas in 2 vols. Paris.

1791. *Encyclopedie methodique*, . . . . *Zool. Ins.*, 6, 704 pp. Paris.

PERTY, J. A. MAXIMILIAN

1830-34. *Delectus animalium articulatorum, quae in itinere per Brasiliam annis 1817-20 . . . collegerunt Dr. J. B. Spix et Dr. C. F. Ph. de Martius; digessit, descripsit et pingenda curavit Dr. M. Perty.* 48+222 pp., 40 col. pls. Monachii.

PIC, MAURICE

1933. Coléoptères exotiques en partie nouveaux. *L'Echange*, 49, p. 12.

PILLER, MATTHIAS, and MITTERPACHER, LUDWIG

1783. *Iter per Poseganam, Slavoniae provinciam mensibus Junio et Julio 1782 susceptum.* 147 pp., 16 col. pls. Budae.

REITTER, EDMUND

1894. Bestimmungs-Tabelle der Coleopteren-Familie der Cleriden des palae-arctischen Faunengebiets. *Verh. Naturf. Ver. Brünn*, 32, (1893), pp. 37-89.

RIVERS, J. J.

1894. *Chariessa lemberti*. *Zoe*, 4, (1893-94), p. 396.

ROSSI, PETER

1790 (1792-94). *Fauna Etrusca, sistens Insecta, quae in provinciis Florentina et Pisana praesertim collegit P. Rossi.* 2 vols., 620 pp., 10 col. pls. Liburni.

SAY, THOMAS

1823. Descriptions of coleopterous insects collected in the late expedition to the Rocky Mountains, performed by order of Mr. Calhoun, Secretary of War, under Major Long. *Journ. Acad. Nat. Sci. Phila.*, 3, pp. 139-216.

1824-28. *American entomology, or descriptions of the insects of North America*, . . . . 3 vols., 54 col. pls. Philadelphia.

1825. Descriptions of new species of coleopterous insects inhabiting the United States. *Journ. Acad. Nat. Sci. Phila.*, 5, pp. 160-204.

1835. Descriptions of new North American coleopterous insects, and observations on some already described ones. *Boston Journ. Nat. Hist.*, 1, pp. 151-203.

SCHAEFFER, CHARLES

1904. New genera and species of Coleoptera. *Journ. N. Y. Ent. Soc.*, 12, pp. 197-236.

1905. Some additional new genera and species of Coleoptera found within the limits of the United States. *Sci. Bull. Mus. Brooklyn Inst. Arts Sci.*, 1, No. 7, pp. 141-179.

1906. Two new *Oncideres*, with notes on some other Coleoptera. *Can. Ent.*, 38, pp. 18-23.

1908. On new and known Coleoptera of the families Coccinellidae and Cleridae. *Journ. N. Y. Ent. Soc.*, 16, pp. 125-135.

1909. New Coleoptera chiefly from Arizona. *Sci. Bull. Mus. Brooklyn Inst. Arts Sci.*, 1, No. 15, pp. 375-386.

1911. New Coleoptera and miscellaneous notes. *Journ. N. Y. Ent. Soc.*, 19, pp. 113-126.

1914. [Remarks on the clerid genus *Aulicus*.] *Idem*, 27, p. 245.

1917. On some North American Cleridae (Col.). *Journ. N. Y. Ent. Soc.*, **25**, pp. 129-134.
1921. New species of North American clerid beetles of the genus *Aulicus*. *Proc. U. S. Nat. Mus.*, **59**, pp. 151-159.
- SCHAEFFER, JACOB C.  
 1766-79. *Icones insectorum circa Ratisbonam indigenorum coloribus naturam referentibus expressae*. 3, 6+80 pp., 80 col. pls. Regensburg.
1777. *Elementorum entomologicorum appendix V insectorum nova genera exhibens*. 6 pp., 5 pls. Ratisbonae.
- SCHENKLING, SIGMUND  
 1898. Zehn neue Cleriden nebst Bemerkungen über schon beschriebene. *Deutsch. Ent. Zeitschr.*, **1898**, pp. 361-368.
1900. Neue Cleriden des Hamburger Museums. *Mitt. Naturh. Mus. Hamburg*, **17**, pp. 11-20.
1902. Clérides nouveaux du Muséum d'Histoire Naturelle de Paris. *Bull. Mus. Hist. Nat. Paris*, **8**, pp. 317-333.
1903. Cleridae. Wytzman, *Genera Insectorum*, **13**, pp. 1-124, 5 pls. Bruxelles.
1906. Die Cleriden des Deutschen Entomologischen National Museums, nebst Beschreibungen neuer Arten. *Deutsch. Ent. Zeitschr.*, **1906**, pp. 241-320, 1 col. pl.
1910. Cleridae. Junk, *Coleopterorum Catalogus*, **23**, 174 pp. Berlin.
- SKINNER, HENRY  
 1905. Descriptions of new Coleoptera from Arizona with notes on some other species. *Ent. News*, **16**, pp. 289-292.
- SPINOLA, (Marquis) MAXIMILIAN  
 1841. *Monographie des Térédiles. Tableau synoptique des Clairons*. *Rev. Zool.*, **4**, pp. 70-76.
1844. *Essai monographique sur les Clérites, Insectes Coleopteres*. 2 vols., 10+602 pp., 47 col. pls. Geneva.
- STEPHENS, JAMES F.  
 1832. *Illustrations of British entomology, or a synopsis of indigenous insects, . . . Mandibulata*, **5**, 448 pp., 4 col. pls. London.
- STURM, JACOB  
 1837. *Deutschlands Fauna in Abbildungen nach der Natur mit Beschreibungen*. V. Abth., Käfer, **11**, 148 pp., 16 pls. Nuremberg.
- VAN DYKE, EDWIN C.  
 1915. Some new beetles in the families Ostomidae (Trogositidae) and Cleridae from California. *Bull. Brooklyn Ent. Soc.*, **10**, pp. 25-33.
1916. Supplementary notes and descriptions of North American Ostomidae, Cleridae, and *Cossonus* (Col.). *Idem*, **11**, pp. 71-79.
1923. New species of Coleoptera from California. *Idem*, **18**, pp. 37-53.
1938. New species of Pacific Coast Coleoptera (Cleridae, Pyrochroidae, Chrysomelidae). *Ent. News*, **49**, pp. 189-195.
1943. New species of West American Coleoptera. *Pan-Pac. Ent.*, **19**, pp. 41-52.
- VOET, JOHANN E.  
 1769-1806. *Catalogus systematicus Coleopterorum*. Latin ed., **1**, 104 pp., 54 col. pls. La Haye.
- WALKER, FRANCIS  
 1866. Descriptions of Coleoptera from Vancouver in JOHN K. LORD, *The Naturalist in Vancouver Island and British Columbia*. **2**, pp. 309-334.



## WESTWOOD, JOHN O.

1838. Notice sur le *Clerus buqueti* de Mr. Lefebvre. Bull. Soc. Ent. Fr., (1), 7, p. 13.
1849. [Descriptions of new species] in ADAM WHITE, Nomenclature of coleopterous insects in the British Museum. Cleridae, 4, 4+68 pp. London.

## WHITE, ADAM

1849. Nomenclature of coleopterous insects in the British Museum. Cleridae, 4, 4+68 pp. London.

## WICKHAM, HENRY F.

1905. New species of Coleoptera from the western United States. Second paper. Can. Ent., 37, pp. 165-171.

## WOLCOTT, ALBERT B.

- 1908a. New species of North American *Hydnocera* (Coleoptera). Can. Ent., 40, pp. 229-233.
- 1908b. The North American species of *Chariessa* (Coleoptera). Ent. News, 19, pp. 70-72.
1909. The Cleridae of the Public Museum of the City of Milwaukee. Bull. Wisc. Nat. Hist. Soc., (n.s.), 7, pp. 93-102.
- 1910a. Cleridae in W. S. BLATCHLEY, An illustrated descriptive catalogue of the Coleoptera or beetles known to occur in Indiana. Bull. Ind. Dept. Geol. Nat. Res., 1, pp. 846-862, 14 figs.
- 1910b. Description of a new genus and four new species of North American Cleridae. Ent. News, 21, pp. 320-323.
- 1910c. Notes on some Cleridae of Middle and North America, with descriptions of new species. Field Mus. Nat. Hist., Zool. Ser., 7, No. 10, pp. 339-401, 2 pls.
1911. New American Cleridae, with notes on others (Col.). Ent. News, 22, pp. 115-125, 1 fig.
1912. [Descriptions of new species] in H. F. WICKHAM and A. B. WOLCOTT, Notes on Cleridae from North and Central America. Bull. Lab. Nat. Hist. Univ. Iowa, 6, No. 3, pp. 49-67.
1921. North American predaceous beetles of the tribe Tillini in the United States National Museum. Proc. U. S. Nat. Mus., 59, pp. 269-289, 1 pl.
- 1922a. New species of Coleoptera of the tribe Clerini, with notes on others. Trans. Amer. Ent. Soc., 48, pp. 67-78.
- 1922b. The male of *Cymatodera horni* (Cleridae; Col.). Journ. N. Y. Ent. Soc., 30, pp. 191-194, 4 figs.
1927. Descriptions of a new genus and four new species of American Cleridae. Coleopt. Contr., Chicago (F. J. Psota), 1, pp. 105-110.
1928. Descriptions of new species of North American Hydnocerinae (Col.: Cleridae). Ent. News, 39, pp. 207-212.
1943. Notes on the North American species of the genus *Orthopleura* Spin. Pan-Pac. Ent., 19, pp. 134-138.
- 1944a. A generic review of the subfamily Phyllobaeninae (olim Hydnocerinae). (Col.). Journ. N. Y. Ent. Soc., 52, pp. 121-152.
- 1944b. The American species of *Trichodes* (Coleoptera, Cleridae). Pan-Pac. Ent., 20, pp. 54-60, 3 figs.

## WOLCOTT, A. B., and CHAPIN, E. A.

1918. Notes on Cleridae. Bull. Brooklyn Ent. Soc., 13, pp. 107-108.

## ZIEGLER, DANIEL

- 1844-45. Descriptions of new North American Coleoptera. Proc. Acad. Nat. Sci. Phila., 2, pp. 43-47 (1884), 266-272 (1845).



## INDEX

Current names in roman type, synonyms in *italic type*.

- Ababa* Casey, 76  
*abdominalis* Chevr. (Enocl.), 78  
*abdominalis* Kirby (Than.), 78  
*abruptus* LeC., 79  
*acerbus* Wolc., 78  
*aegra* Newm. (Isohyd.), 74  
*aegra* Wolc. (Cym.), 68  
*aemula* Wolc., 68  
*aeneicollis* Spin., 79  
*aeneipennis* Csiki, 88  
*aequinoctialis* Spin., 74  
*aethiops* Wolc., 68  
*affiliatus* LeC. (Enocl.), 81  
*affiliatus* Fall (Phyll.), 71  
*Agonolia* Muls. & Rey, 88  
*albobincta* Horn, 74  
*albofasciatus* Melsh., 87  
*albomaculatus* Zieg., 86  
*alvearius* Fabr., 82  
*amethystina* Steph., 88  
*analis* LeC., 78  
*angustata* Spin. (Cym.), 68  
*angustata* LeC. (Cym.), 68  
*angustata* Fald. (Necr.), 88  
*angustus* LeC., 81  
*antennata* Schffr. (Cym.), 68  
*antennatus* Schffr. (Serr.), 83  
*aprivorus* Germ., 82  
*arachnodes* Klug, 81  
*arizonica* Schffr. (Cym.), 71  
*arizonicus* Schffr. (Phyll.), 71  
*assimilis* Chevr. (Enocl.), 80  
*assimilis* Spin. (Enocl.), 80  
*Aulicus* Spin., 82
- badeni* Gorh., 78  
*balteata* LeC., 68  
*basalis* Van Dyke, 82  
*belfragei* Horn, 68  
*bibalteatus* LeC., 82  
*bicinctus* Green (Trich.), 82  
*bicinctus* Lins. (Aul.), 83  
*bicolor* LeC. (Phyll.), 71  
*bicolor* Say (Cym.), 68  
*bicolor* Melsh. (Enocl.), 80  
*bicornus* Van Dyke, 71  
*biguttatus* Montr., 87  
*bilineicollis* Chevr., 86  
*bimaculata* Melsh. (Orth.), 84  
*bimaculatus* LeC. (Trich.), 82  
*bimaculatus* Skinner (Enocl.), 78
- bimaculatus* Wolc. (Phyll.), 72  
*binotatus* Chpn., 72.  
*bioculatus* Schffr., 78  
*bisignatus* Horn, 82  
*Blackburniella* Chpn., 87  
*blanchardi* Wolc., 72  
*bombycinus* Chevr., 79  
*borealis* Wolc. & Chpn., 82  
*bosci* Chevr., 71  
*Bostrichoclerus* Van Dyke, 71  
*Brachymorphus* Chevr., 85  
*brachyptera* Klug, 74  
*brevicollis* Schffr. (Cym.), 69  
*brevicollis* Spin. (Enocl.), 79  
*brunnea* Chpn. (Isohyd.), 74  
*brunnea* Melsh. (Lecont.), 68  
*brunnea* Spin. (Cym.), 71  
*buquet* Lef. (Than.), 75  
*buqueti* Westw. (Than.), 75
- californica* Fall (Mon.), 67  
*californica* Horn (Cym.), 69  
*californica* Horn (Cym.), 69  
*californicus* Van Dyke (Phlog.), 83  
*Callotillus* Wolc., 67  
*cancellata* LeC., 68  
*carbonarius* Spin., 68  
*castanea* Newm., 76  
*catalina* Cazier, 76  
*cephalica* Schffr., 69  
*chalybea* Sturm, 88  
*chapini* Wolc. (Enocl.), 79  
*chapini* Wolc. (Phyll.), 72  
*Chariessa* Perty, 85  
*chiricahuae* Knull, 76  
*cinctus* Spin. (Phyll.), 72  
*cincta* Spin. (Char.), 85  
 CLERINAE, 76  
*Cleroides* Schffr., 77  
*cleroides* Wolc., 87  
*Cleronomus* Klug, 76  
*Clerus* Curtis, 82  
*Clerus* auct., 78  
*cobaltinus* Chpn., 72  
*coccineus* Schklg., 79  
*coeruleipennis* Wolc., 72  
*cognata* Wolc., 69  
*colbaltina* Chpn., 72  
*Colyphus* Spin., 76  
*collaris* Spin., 68  
*comans* Wolc., 69

- commixtus* Chpn., 72  
*confusa* Wolc., 69  
*corallinus* Fall, 79  
*cordifer* LeC., 79  
*Corinthiscus* Fairm. & Germ., 86  
*crabronarius* Spin. (Enocl.), 79  
*crabronarius* auct. (Enocl.), 81  
*Cregya* LeC., 86  
*cribripennis* Fall, 72  
*crinita* Casey, 76  
*cuneiformis* Wolc., 72  
*cupressi* Van Dyke, 79  
*cuprescens* Gorb., 81  
*curtipennis* Newm., 74  
*cyanescens* LeC., 72  
*cyanipennis* Klug, 77  
*cyanitinctus* Fall, 72  
*Cylinder* Voet, 67  
*cylindricollis* Chevr., 69  
*Cymatodera* Gray, 68  
*Cymatoderus* Desmarest, 68
- damicornis* Spin., 84  
*dasytoides* Westw., 77  
*decipiens* Fall, 69  
*decussatus* Klug, 79  
*delicatula* Fall, 69  
*dentipes* Schffr., 83  
*Derestenus* Chevr., 77  
*Dermestoides* Schffr., 84  
*dermestoides* Klug (Than.), 75  
*dermestoides* Pill. & Mitt. (Necr.), 88  
*dichroa* LeC., 85  
*difficilis* LeC., 72  
*discoidea* LeC. (Loed.), 88  
*discoideus* LeC. (Phyll.), 72  
*discolor* Klug, 87  
*dislocatus* Say, 84  
*distrophus* Klug, 84  
*douglasianus* White, 82  
*dubius* Fab. (Than.), 77  
*dubius* Wolc. (Phyll.), 72  
*dubius* Spin. (Enocl.), 80
- eburneocinctus* Wolc., 67  
*edwardsi* Horn, 83  
*Elasmocerus* LeC., 67  
*elegans* Er. (Call.), 67  
*elegans* Horn (Char.), 85  
*Ellipotoma* Wolc., 84  
*elongata* Linn. (Till.), 67  
*elongata* Knull (Ichn.), 84  
*Enoclerus* Gahan, 78  
**ENOPLIINAE**, 84  
**EPIPHLOEINAE**, 83  
*Erolestus* Wolc., 87  
*errans* Melsh., 88  
*erro* Wolc., 79  
*erythrodera* Spin., 87  
*erythrogaster* Spin., 81  
*eximius* Mannerh., 79
- fallax* Wolc. (Phyll.), 72  
*fallax* Horn (Cym.), 68  
*fasciatellus* Spin., 87  
*fasciatus* Curtis (Tars.), 87  
*fasciatus* LeC. (Corinth.), 86  
*fascifera* LeC., 69  
*femoralis* Schffr., 83  
*filiolus* Chevr., 88  
*fissipes* Schffr., 83  
*flavescens* Ckll., 82  
*flavosignata* Schffr., 69  
*floridana* Schffr., 85  
*formicarius* Linn., 77  
*foveicollis* Schklg., 88  
*fraterna* Wolc., 73  
*fuchsii* Schffr. (Cym.), 69  
*fuchsi* Schffr. (Phyll.), 72  
*funebri* Chevr., 73  
*furcata* Gorb. (Phyll.), 72  
*furcatus* Schffr. (Col.), 77  
*fuscula* LeC., 69
- gahani* Wolc., 72  
*Galeruclerus* Gorb., 86  
*gerhardi* Wolc. (Enocl.), 79  
*gerhardi* Wolc. (Isohyd.), 74  
*gigantea* Horn, 69  
*girodi* Chevr., 75  
*glabra* Champ., 88  
*gnara* Wolc., 68  
*granulatipennis* Schffr., 85  
*granulosus* Wolc., 86
- haagi* Chevr., 77  
*hamatus* LeC., 72  
*hartwegianus* White, 82  
*holosericeus* White, 79  
*hopei* Gray, 69  
*hopfneri* Spin., 79  
*horni* Wolc. (Cym.), 69  
*horni* Wolc. & Chpn. (Trich.), 82  
*humeralis* Horn (Pel.), 85  
*humeralis* Linsley (Aul.), 83  
*humeralis* Say (Phyll.), 72  
*humeralis* Schffr. (Enocl.), 79  
*Hydnocera* Newm., 71
- Ichne** Cast., 84  
*Ichne* Cast., 84  
*ichneumoneus* Fab., 79  
*illustris* Horn, 82  
*incertus* LeC., 80  
*inornata* Say, 69  
*insignicornis* Fairm. & Germ., 86  
*interruptus* LeC., 82  
*intricata* Blackb., 87  
*inyoensis* Van Dyke, 79  
*iowensis* Chpn., 72  
*isabellae* Wolc., 69  
*Isohydnocera* Chpn., 74
- janthina* LeC., 88  
*jouteli* Leng, 81

*knabi* Wolc., 79  
*knausi* Wickh. (Phyll.), 72  
*knausi* Wolc. (Cym.), 69  
*knochei* Kolbe, 88  
 Korynetes Herbst, 87  
 KORYNETINAE, 87

*laetus* Klug, 79  
*laevicollis* Schffr., 69  
*latecinctus* LeC., 81  
*latefascia* Schffr., 69  
*lateralis* Schffr., 72  
*laticornis* Say, 84  
*lautus* Wolc., 79  
*Lebasiella* Spin., 87  
*lecontei* Wolc. (Enocl.), 79  
*lecontei* Wolc. (Phyll.), 72  
*lecontei* Wolc. (Prioc.), 76  
*Lecontella* Wolc. & Chpn., 68  
*lemberti* Rivers, 85  
*lepida* Klug, 87  
*lesueurii* Spin., 81  
*leucophaeus* Klug, 86  
*liebecki* Wolc., 74  
*liljebladi* Wolc., 80  
*limbata* Spin., 74  
*lineatocolle* Chev. (Loed.), 88  
*lineatocollis* Spin. (Phyll.), 74  
*Loedelia* Lucas, 87  
*longicollis* Spin. (Cym.), 71  
*longicollis* Zieg. (Isohyd.), 74  
*longicornis* LeC., 69  
*longissimus* Wolc., 80  
*longula* Wolc., 70  
*longus* LeC., 72  
*lunatus* Klug, 80  
*luridus* Spin., 88  
*lycoides* Cast., 84

*Macrotelus* Klug, 67  
*maculata* Zieg., 76  
*maculicollis* LeC. (Loed.), 88  
*maculicollis* Schffr. (Corinth.), 86  
*marginata* Gorh. (Phyll.), 74  
*marginata* Say (Char.), 85  
*marginella* Chev., 87  
*marginipennis* Spin., 86  
*maritimus* Wolc., 73  
*megatoma* Spin., 67  
*melanocephalus* Chev., 78  
*melanopterus* Dury, 77  
*merkei* Horn, 84  
*mesosternalis* Schffr., 88  
*Metademiis* Mats., 75  
*mexicanus* Cast., 80  
*mexicanus* Gahan, 88  
*militaris* Chev., 85  
*mima* Wolc., 74  
*mirus* Wolc., 73  
*mitchelli* Chpn., 70  
*mitis* Wolc., 70  
*mixta* LeC., 86

*moerens* Westw., 87  
*moestus* Klug, 80  
*monilis* Melsh., 77  
*Monophylla* Spin., 67  
*monticola* Gorh. (Aul.), 83  
*monticola* Wolc. (Than.), 78  
*morosa* LeC., 70  
*muniarum* Hope, 88  
*muttkowskii* Wolc., 80  
*mystica* Wolc., 70

*Necrobia* Oliv., 88  
*Necrobioides* Gahan, 88  
*Neichnea* Wolc. & Chpn., 84  
*neomexicana* Knull, 70  
*nero* Spin., 83  
*nexus* Wolc., 82  
*nigrescens* Schffr. (Pel.), 85  
*nigrescens* Schffr. (Phyll.), 73  
*nigricollis* Wolc., 88  
*nigrifrons* Say, 80  
*nigrina* Schffr., 74  
*nigripennis* LeC. (Leb.), 87  
*nigripennis* Spin. (Orth.), 84  
*nigripes* Say (Enocl.), 80  
*nigripes* var. White (Than.), 78  
*nigriventris* Schffr. (Aul.), 83  
*nigriventris* LeC. (Enocl.), 79  
*niveifasciatus* Schffr., 73  
*nubilus* Klug, 78  
*nunnenmacheri* Schffr., 72  
*nutalli* Kirby, 82  
*nutalli* Say, 82  
*nutalli* auct., 82  
*nuthalli* Spin., 82

*obliquefasciata* Schffr., 70  
*oblita* Horn, 70  
*obsoletus* Wolc., 82  
*occidentalis* Chpn. (Phyll.), 73  
*occidentalis* Gorh. (Call.), 67  
*ocreatus* Horn, 80  
*oculata* Say (Creg.), 86  
*oculatus* Spin. (Enocl.), 81  
*omoger* Horn, 73  
*onusia* Say, 85  
*Opetiopalpus* Spin., 89  
*Opetiopselaphus* Gemm. & Har., 89  
*opifex* Gorh., 80  
*oresterus* Wolc., 82  
*ornata* Wolc. (Isohyd.), 74  
*ornaticollis* LeC., 77  
*ornatus* Say (Trich.), 82  
*Orthopleura* Spin., 84  
*ovipennis* LeC., 70

*pallida* Schffr., 70  
*pallipennis* Say, 73  
*pallipes* Klug (Leb.), 87  
*pallipes* Schffr. (Mon.), 67  
*pallipes* Wolc. (Plac.), 77  
*palmii* Schffr., 80



- parviceps* Schffr., 75  
*patagoniae* Knull, 68  
*pedalis* LeC., 75  
*Pelonides* Kuw., 85  
*Pelonium* Spin., 85, 86  
*peninsularis* Horn (Trich.), 82  
*peninsularis* Schffr. (Corinth.), 86  
*peninsularis* Schffr. (Cym.), 70  
*pennsylvanica* Chev., 84  
*Perilypus* Spin., 68  
*perroudi* Pic, 85  
*Philyra* Cast., 85  
*Phloeopterus* Britt., 77  
*Phlogistosternus* Wolc., 83  
 PHYLLIBAENINAE, 71  
*Phyllobaenus* Dej., 71  
*Phyllobaenus* Spin., 83  
*picipennis* Chpn. (Phyll.), 73  
*picipennis* Westw. (Tars.), 87  
*pilifera* Reitt., 88  
*pilosa* Forster, 85  
*pilosella* LeC., 70  
*pinus* Schffr., 80  
*plagifer* Fall, 73  
*Placopterus* Wolc., 77  
*Plocopterus* Leng, 77  
*plumbea* Gorh., 77  
*Poecilochroa* Chev., 77  
*Priocera* Kirby, 76  
*Prionodera* Wolc., 76  
*Prionostichaeus* Wolc., 76  
*Pseudoclerus* J. du Val, 77  
*pubescens* LeC. (Phyll.), 73  
*pubescens* Wolc. (Cym.), 70  
*pulcher* Chpn., 73  
*punctata* LeC. (Cym.), 70  
*punctata* Spin. (Phyll.), 74  
*punctatissima* Chev., 84  
*puncticollis* Bland, 70  
*puritanus* Wolc., 73  
*purpuricollis* Horn, 70  
*pusilla* Kirby (Prioc.), 76  
*pusilla* Schffr. (Isohyd.), 74  
*pygmaeus* Wolc., 73  
*Pyticara* Spin., 85  
  
*quadra* Marsham, 88  
*quadriguttatus* Oliv. (Enocl.), 81  
*quadriguttatus* auct. (Enocl.), 80  
*quadrimaculatus* Van Dyke, 73  
*quadrinotata* Chev. (Creg.), 87  
*quadrinotatus* Hald. (Pel.), 85  
*quadripunctatus* Say, 85  
*quadrisignata* Spin. (Creg.), 86  
*quadrisignatus* Say (Enocl.), 81  
*quercus* Schffr., 81  
  
*ramicornis* Perty, 85  
*reichei* Spin., 83  
*repandus* Horn, 78  
*robustus* Horn, 73  
*rosmarus* Say, 81  
  
*rubriventris* LeC., 78  
*rudis* Wolc., 70  
*rufescens* LeC. (Enocl.), 81  
*rufescens* Spin. (Prioc.), 76  
*ruficeps* Spin., 77  
*ruficollis* Fahr. (Necr.), 88  
*ruficollis* Schffr. (Mon.), 67  
*rufipes* DeGeer (Necr.), 88  
*rufipes* Newm. (Phyll.), 73  
*rufiventris* Wolc. (Cym.), 70  
*rufiventris* Chev. (Enocl.), 81  
*rufiventris* Spin. (Enocl.), 80  
*rufulus* Schffr., 81  
*rufus* Oliv., 79  
  
*sanguineus* Say, 76  
*santarosae* Schffr., 70  
*scaber* LeC., 73  
*scabripennis* LeC., 85  
*schusteri* LeC., 74  
*schwarzi* Wolc., 70  
*scutellaris* Panzer, 89  
*semiochraceus* Chev., 80  
*sericans* Westw., 79  
*serrata* Newm., 73  
*Serriger* Spin., 83  
*sexguttatus* Fabr., 78  
*signaticollis* Spin., 77  
*silbermanni* Chev., 80  
*similis* Knull, 85  
*simulans* Schffr., 73  
*simulator* Horn, 82  
*singularis* Wolc., 73  
*sirpata* Horn, 70  
*snowi* Wolc., 70  
*sobrina* Fall (Wolc.), 75  
*sobrinus* Leng (Enocl.), 81  
*sobrius* Walker, 81  
*soror* Wolc., 70  
*spatiosa* Wolc., 70  
*spectabilis* Cast., 86  
*sphegeus* Fabr., 81  
*spinotae* LeC., 78  
*steniformis* Spin., 73  
*subaena* LeC. (Phyll.), 72  
*subaenus* Spin. (Phyll.), 73  
*subcostatus* Schffr., 77  
*subfasciatus* LeC., 73  
*subsimplis* Wolc., 70  
*substriata* Wolc., 67  
*succinctus* Chev., 87  
*suturalis* Klug, 73  
  
*tabacci* Mats., 75  
*tabida* LeC., 75  
*Taneroclerus* Chev., 75  
*tantilla* LeC., 76  
*Tarandocerus* Chev., 85  
*Tarsostenus* Spin., 87  
*tenella* Say (Phyll.), 74  
*tenellus* LeC. (Trich.), 82  
*tenera* LeC., 69



- terminata* Say, 67  
*terrestris* Linsley, 83  
*testaceipes* Wolc., 80  
*texana* Bland (Orth.), 84  
*texana* Wolc. (Char.), 85  
*texana* Gorh. (Cym.), 69  
*Thanasimus* Latr., 77  
*Thanateroclerus* Gemm. & Har., 75  
*Thaneclerus* Desmarest, 75  
 THANEROCLERINAE, 75  
*Thaneroclerus* Lef., 75  
*Theano* Chev., 71  
*thoracica* Say (Orth.), 84  
*thoracicus* Oliv. (Plac.), 77  
*tibialis* Wolc. (Phyll.), 74  
*tibialis* Schklg. (Leb.), 87  
 TILLINAE, 67  
*Tillus* Oliv., 67  
*torosa* Wolc., 71  
*transversalis* Spin., 84  
*Trichodes* Hbst., 81  
*tricolor* Schffr. (Phyll.), 74  
*tricolor* Skin. (Cym.), 71  
*tricondylae* LeC., 75  
*trifasciatus* Say, 78  
*trilobatus* Van Dyke, 86  
*tristis* Schffr., 74  
*truncatus* LeC., 80  
*turbata* Horn, 71  
*tuta* Wolc., 71  
  
*umbrina* Fall, 71  
*uncinata* Chev., 87  
*undatulus* Say, 78  
  
*undulata* Say (Cym.), 71  
*undulatus* Leng et auct. (Than.), 78  
*unifasciatus* Say, 74  
*uniformis* Schffr., 71  
*univittatus* Rossi, 87  
*usta* LeC., 71  
  
*vafer* Wolc., 67  
*van dykei* Schffr., 71  
*variegata* Kirby, 76  
*vauthieri* Spin., 71  
*venator* Chev., 81  
*venustus* Hald., 86  
*verticalis* Say, 74  
*vestita* Chev., 86  
*vetus* Wolc., 81  
*vetustus* Spin., 86  
*vicinus* Chpn., 74  
*viduus* Klug, 81  
*violacea* Linn., 88  
*virginiensis* Schffr., 81  
  
*wickhami* Wolc., 74  
*Wolcottella* Lucas, 76  
*Wolcottia* Chpn., 75  
  
*xanti* Horn, 71  
*xavierae* Knoll, 71  
*Xenoclerus* Schklg., 83  
*Xenodosus* Champl., 76  
  
*Zenodosus* Wolc., 75  
*Zenodosus* Leng, 76  
*zonatus* Klug, 78















UNIVERSITY OF ILLINOIS-URBANA

590.5F1 C001  
FIELDIANA, ZOOLOGY\$CHGO  
32 1947-51



3 0112 009379634