

FIFTH SUPPLEMENT

1939 to 1947 (inclusive)

TO

THE LENG CATALOGUE

OF

COLEOPTERA

OF

AMERICA, NORTH OF MEXICO

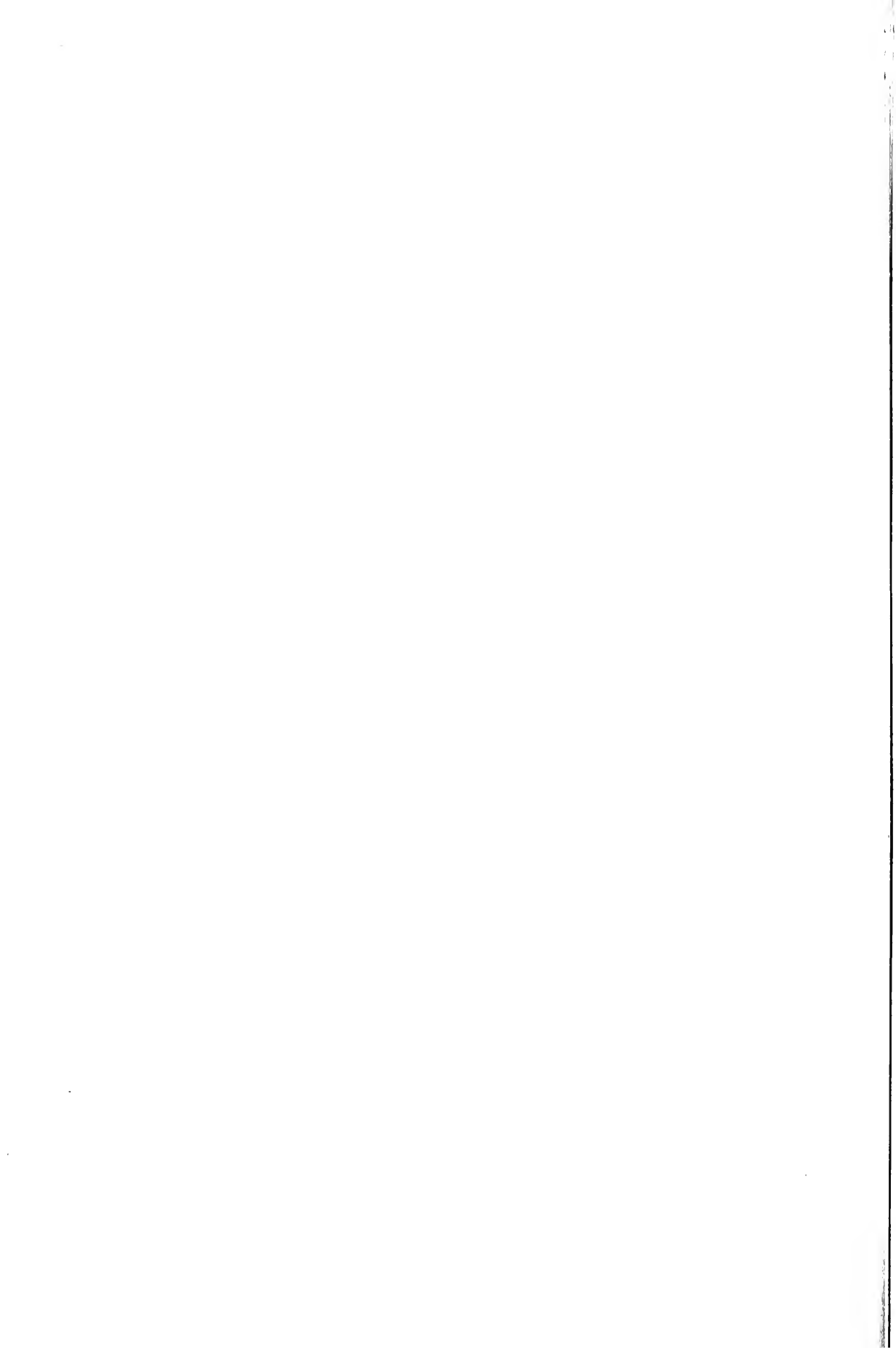
By

RICHARD E. AND RUTH M. BLACKWELDER

MOUNT VERNON, N. Y.
JOHN D. SHERMAN, JR.
OCTOBER
1948



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U. S. National Museum



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MOUNT VERNON

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INTRODUCTION

This fifth supplement to the Leng Catalog of North American Coleoptera is offered by the compilers and by the publisher in lieu of the much desired new catalog. Many difficulties have continued to make it impossible to prepare a new edition of the catalog, and it is hoped that another supplement will be of some help in bringing the old catalog up to date.

The form of the fifth supplement is the same as that of the fourth. The remarks in the Introduction to the Fourth Supplement apply equally here. A list of signs and abbreviations appears on page 6 of the Fourth Supplement.

Grateful acknowledgment is made to more than 150 coleopterists who have checked preliminary lists of their publications and to the many who have sent in corrections and manuscript notes for inclusion in the text.

SIGNS AND ABBREVIATIONS

- * indicates a revision of the genus (or other group).
- *** indicates the end of a revision or of a subgenus.
 - [before locality indicates that it applies to line above.
 - || indicates a preoccupied name.
- a. aberration.
- f. form.
- r. race.
- s. subspecies.
- v. variety.

FIFTH SUPPLEMENT TO THE CATALOGUE OF COLEOPTERA OF AMERICA, NORTH OF MEXICO

ADDITIONS AND CORRECTIONS TO DECEMBER 31, 1947

CICINDELIDÆ

- Amblycheila**
schwarzi W.Horn 03-196 Cal. ¹
- Omus**
subcylindricus Nunen. 40-143 Cal.
vanlooi Nunen. 40-144 Cal.
- Cicindela**
formosa Say
v.manitoba Leng Sask. ²
gibsoni Brown 40-182 ³
tranquebarica Hbst.
s.propinqua Knaus 22-194 ⁴ Nev. Cal.
s.inyo Fall 17-106 ⁵ Cal.
s.owena Fall 17-106 ⁵ Cal.
oregona Lec.
s.navajoensis VanD. 47-155 Ariz.
willistoni Lec.
s.amargosæ Dahl 39-221 Nev. ⁶ Cal.
abdominalis Fab.
v.floridana Cartw. 39-364 Fla.
nevadica Lec.
s.tubensis Cazier 39-23 N.M. ⁷ Ariz.
alleni Cazier 39-24 Tex.
theatina Rotger 44-76 Colo.

CARABIDÆ

- Scaphinotus**
STENOCANTHARIS Gistel 57-
[92 ⁸
angusticollis (Mannh.) 24-46 w.N.A.
s.olympiæ VanD. 44-5 Wash.

- s.nigripennis Roesch. 07-165 ⁸ Ore.
s.longipes Csy. 97-339 ⁸ Cal.
s.velutinus Mén. 44-53 ⁸ Cal.
BRENNUS Mots. 65-311 ⁸
johnsoni VanD. 24-3 ⁸ Wash.
NEOCYCHRUS Roeschke 07-
[117 ⁹
angulatus (Harris) 39-200 ⁸ Ore. Wash.
s.maritimus VanD. 24-506 ⁸ Wash.
behrensi Roesch. 07-124 ⁸ Cal.
s.malkini VanD. 44-13 Ore.
longiceps VanD. 24-5 ⁸ Cal.

- Carabus** ⁹
TITANOCARABUS Breun. 33-
truncaticollis Esch. 33-22 [729 ⁸
lutshuikianus Basil. 37-63 ⁸
alaskensis Basil. 37-63 ⁸
ARCHICARABUS Seidl. 87-6 ⁸
tædatus Fab. 87-196 ¹⁰
gladiator Mots. 65-285 ⁸
canadicus Roeschke 00-68 ⁸
canadensis Lapouge 08-19 ⁸
bicanaliceps Csy. 20-154 ⁸
s.tædatus (s.str.) Alas.
baccivorus Fisch. 20-87 ⁸
seriatus Wied. 21-109 ⁸
s.vancouvericus Csiki 27-286 ¹¹ Wash.
bicolor Walk. 66-313 ⁸ ¹¹ [Alas.
s.rainieri VanD. 44-108 Wash.
s.franciscanus Csy. 13-58 Cal.
s.oregonensis Lec. 54-16 B.C.-Ariz.
montanicus Csy. 13-58 ⁸
stocktoniensis VanD. 44-111
stocktonensis Csy. 20-155 ⁸
s.agassii Lec. 50-209 Alb.-Mont.
agassizi VanD. 44-112

¹ Cazier—39.

² Brown—40.

³ Dahl—42.

⁴ Previously listed as var. of denverensis; Cazier—39.

⁵ Previously listed as var. of vibex; Cazier—39.

⁶ Dahl—40.

⁷ Rotger—44.

⁸ Van Dyke—44.

⁹ Key to species, Van Dyke—44.

¹⁰ Key to subspecies, Van Dyke—44.

¹¹ Placed as synonym of tædatus by Pratt—40.

- s.patulicollis* Csy. 13-57 Colo.
coloradensis Breun. 33-719⁸
 TANAOCARABUS Rtt. 96-135⁸
sylosus Say 25-75
 s.sylvosus (s.str.) Mass.-Ala.-Mo.
 s.lherminieri Dej. 26-151 N.A.
 s.finitimus Hald. 52-373 Okla. Tex.
 lecontei Csy. 13-57⁸
 caseyi Ang. 14-75⁸
forreri Bates 82-320 Ariz. Mex.
 townsendi Csy. 05-160⁸
 HEMICARABUS Geh. 85-xix⁸
serratus Say 25-77 Nfld.-Ga.-Man.-N.M.
 s.serratus (s.str.)
 lineatopunctatus Dej. 26-77⁸
 ligatus Klyb. 37-18 (not Germ.)⁸
 canadensis Lec. 53-10⁸
 s.tatami Mots. 65-293 Newf.-Me.-B.C.
 s.vegascensis Csy. 13-59 N.M.
 vagasensis VanD. 44-122
 LICHNOCARABUS Rtt. 96-161⁸
limbatus Say 25-71
 goryi Dej. 31-544⁸
vinctus Weber 01-42
 s.vinctus (s.str.) Can.-Ga.
 ligatus Germ. 24-6⁸
 interruptus Say 25-76⁸
 carinatus Dej. 26-79⁸
 s.georgiæ Csiki 27-185 Ga.-Fla.
 CARABUS (s.str.)⁸
granulatus L. 58-413 N.S.-Mass-B.C.
 [Eur.]
- Calosoma**
 (*Callisthenes* auct., not Fisch.)¹²
lariversi VanD. 43-17 Nev.
zimmermanni Lec. 49-445
 zimmermani VanD. 43-19
 s.tahoensis VanD. 43-18 Cal.
- Elaphrus**
torreyensis Tanner 41-137 Utah
- Blethisa**
catenaria Brown 44-4 Man.
- Nebria**
coloradensis VanD. 43-19 Colo.
zioni VanD. 43-20 Utah
 * NEONEBRIA Hatch 39-46¹³
 (*Nebria* of Ganglb., not Latr.)¹³
hudsonica Lec. 63-3 Sask.-N.M.-Wash.-
 [Y.T.]
 vandykei Bänn. 28-5 Ore.
 trifaria VanD. in part¹³
 gebleri Dej. 31-573 Alb. Mont. Ida. Ore.
 meanyi VanD. 25-118 Wash.
 metallica Fisch. 21-71 Alas.-Wash.-Mont.
 schwarzi VanD. 25-116 Alb.
 piperi VanD. 25-117 B.C. Wash.
 purpurata Lec. 78-477 Mont. Ida.
 labradorica Csy. 20-151 Alb. Mont. B.C.
 crassicornis VanD. 25-121 Wash.
 bifaria Mannh. 53-128 Alas.-Mack. Sib.
- viridis* Horn 70-101 Alas.¹³ Wash.¹³ Y.T.¹³
 v.parvula Sahlb. 87-47¹³ Ore. Alas. Sib.
 v.reducta Csy. 20-150¹³ Alas.
virescens Horn 70-100 Ore. Ida. Cal.
 brevis Csy. 13-55¹³
sahlbergi Fisch. 21-254 Colo. L.Sup.
gregaria Fisch. 21-72 Alas.
aleuta VanD. 24-5 Alas.
mannerheimi Fisch. 21-253 Ore.
eschscholtzi Mén. 44-55 Cal.-B.C.
 tenuipes Csy. 13-51¹³
 transversa Csy. 20-152¹³
 hippislei Csy. 24-21¹³
 formalis Csy. 20-153¹³
diversa Lec. 63-2 Cal. B.C.
obtusa Lec. 78-478 Wash. Alb. Mont.
 NEBRIOLOA Dan.¹³ [Colo.]
kincaidi Schw. 00-525 Alas.-Ore.
paradisi Darl. 31-24 B.C.-Ore.
 columbiana VanD. 26-9¹³
- Dyselirius**
arizonicus VanD. 43-22 Ariz.
- Bembidion**
roosevelti Pic 02-71 Cal.
 blaisdelli Csy. 18-222¹⁴
 concinnum Blais. 02-78¹⁴
 perconcinnum Blais. 04-349¹⁴
nebraskense Lec. 63-19¹³
- Tachyura**
barnesi Stehr 46-284 Ohio
- Stomis** Schell. 06-46
pumicatus (Panz.) 95-60 Que.¹⁵
- Trechus**
humboldti VanD. 45-101 Cal.
- Feronia** Latr. 17-191¹⁸
 Pterostichus Bon. 09-? ¹⁶ ¹⁸
 Pterosticus Lins. & Mich. 43-75
 * FERONINA Csy. 18-365¹⁷
 humidula VanD. 43-23 Wash. Ore.
 pacifica VanD. 26-114
 (not Poppius, 1906)
 lanei VanD. 25-76 Wash. Ida.
 palmi Schffr. 10-393 N.C.
 CRYOBIUS Chaud. 38-11¹⁶
 blaisdelli VanD. 43-24 Alas.
 * * *
 ater Lec.¹⁹ Cal.
- Evarthrus** Lec. 52-225²⁰
 * ANAFERONIA Csy. 18-341²⁰
 constrictus (Say) 23-147 Kan. Ark.
 v.ovipennis Lec. 48-345²⁰ N.M. Mex.
 [CYCLOTRACHELUS Chaud.
 [38-27]²⁰
 C.A.]
 [batesellus Csiki 30-671
 constrictus Bates 82-80]²⁰
 EUMOLOPS Csy. 18-350²⁰
 heros (Say) 23-145 Ark. Tex.
 gigas Csy. 18-350²⁰

⁸ Van Dyke—44.¹² All American species transferred to *Calosoma*, by Van Dyke—43.¹³ Hatch—39.¹⁴ Csiki—28.¹⁵ Darlington—40.¹⁶ Van Dyke—43.¹⁷ Revision of subgenus, Van Dyke—43.¹⁸ Should be replaced by *Platysma* Sam. 19-151, Hatch—39.¹⁹ Linsley & Michener, 43; apparently refers to *Holciophorus ater* Dej.²⁰ Revision of genus, Van Dyke—43.

FERESTRIA Leng 15-576²⁰
 taurus VanD. 43-25 Fla.
 hernandensis VanD. 43-26 Fla.

Loxandrus
 duryi Wright 39-257 Ohio

Amara

AMARA s.str.
 familiaris Duft. 12-119
familiata Malkin 41-284
 ACRODON Zimm. 32-40
 exlineæ Minsk & Hatch 39-215 Wash.
 PSEUDOTRIÆNA Minsk. & [Hatch 39-216
 glabrata M. & H. 39-217 Wash.
 alaxnoquia M. & H. 39-217 Wash.
 atrichata M. & H. 39-217 Utah
 ZESEA Csiki 29-104
 kincaidi M. & H. 39-217 Wash.

Rhadine

ozarkensis Sandn. & Mill. 41-39 Ark.

AGONINI^{20a}

Agonum

PSEUDANCHUS Csy.
 bjorkmanæ Gray & Hatch 41-16 Wash.
 PUNCTAGONUM Gray 37-311
 belleri Hatch 33-120
 EUROPHILUS Chaud.
 lanellum Gray 37-310 Wash.
 RHADINE Lec.
 lanei Gray 37-310 Wash.
 balesi Gray 37-310 Wash.
 * * *

Zuphium

americanum Dej. 31-298 Mich. Kan. La. [Ore.²¹

Zacotus

fredericki Nunen. 44-12 Ore.

Stenomorphus

rossi VanD. 43-29 Ariz.

Acupalpus

meridianus L. Eur. Wash.²²

Pseudomorpha

parallela VanD. 43-30 Cal.

OMOPHRONIDÆ

Omophron Latr. 04-278

(*Homophron* Fisch. 28-256)²³
 tanneri (Chandl.) 41-100 Utah
 s.proximum (Chandl.) 41-102 Utah

HALIPLIDÆ²⁴

Apteraliplus Chandl. 43-154

parvulus Rbts. 13-94²⁵ Cal.

Haliplus

concolor Lec. (not concolo)²⁶
 falli Mank 40-57 Man.
 HALIPLUS s.str.
 wallisi Hatch 44-45 Wash.

DYTISCIDÆ

Canthydrus

bicolor (Say) 31-5 (not 34-446)²⁰

Laccophilus

decipiens
truncatus Mannh. 53-160 (not 53- [68])²⁶
 horni Vd.Br. 85-21 (not 84-21)²⁶
 biguttatus Kby. 37-69
inconspicuus Fall 17-164²⁷
 shermani Leech 44-4 Ariz. Tex.

Bidessus

4-pustulatus Fall 17-166 (not 17-167)²⁶
 rogersi Young 41-29 Fla.
 falli Young 40-30 Fla.

Bidessonotus Reg. 95-331²⁸

* longovalis (Blatch.) 19-310²⁹ Fla.
 inconspicuus (Lec.) 55-294²⁹ La. Fla.
 pulicarius (Aube) 38-494²⁹ Ind. Fla.
subsericeus (Blatch.) 19-311²⁹

Hygrotus

CÆLAMBUS Thoms. 60-13²⁷
 masculinus Cr. B.C.³⁰
 impressopunctatus (Sch.)
 v lineellus (Gyll.) 08-529 (not Gellerman
 medialis (Lec.) [28-64])²⁶
infacetus Clark 62-180²⁷
 sayi B-B. 44-347
punctatus Say 24-271²⁷
 * * *

fraternus Lec. 52-209 L.Cal.³¹

Deronectes

pulcher (Mots.) 59-163 (not 59-363)²⁶
 spenceri Leech 45-105 B.C.
 titulus Leech 45-106 Tex.
 grammicus Shp. 87-754 Mex. N.M.³²
 dolerosus Leech 45-109 Cal.
 addenda Cr. 73-393 L.Cal.³¹
 funerea Cr. 73-392 L.Cal.³¹

Hydroporus

rossi Leech 41-129 Cal.
 bidessoides Leech 41-130 Cal.
 transpunctatus Chandl. 41-103 Utah
 floridanus Young 40-198 Fla.

HYDROPORUS s.str.

mannerheimi B-B. 44-349
humeralis Aubé 38-578²⁷
 superioris B-B. 44-349
sericeus Lec. 50-214²⁷
 OREODYTES Seidl. 87-57
 productotruncatus Hatch 44-46 B.C.

^{20a} Key to Washington genera and subgenera, Gray—37 and Gray & Hatch—41.
²¹ Malkin—43.
²² Hatch—46.
²³ Used by Chandler—41.
²⁴ Key to genera, Chandler—43.
²⁵ Transferred from Brychius, Chandler—43.

²⁶ Leech in litt.
²⁷ Balfour-Browne—44.
²⁸ Revision, Balfour-Browne—47.
²⁹ Transferred from Bidessus, Balfour-Browne—47.
³⁰ Lac la Hache, British Columbia; Leech in litt.
³¹ Leech—44.
³² Leech—45.

AGABINI³³Agabus³⁴

ERIGLENUS Thoms. 60-55
(*Apator* Sem. 99-512)³⁷

- * * *
- erichsoni G. & H. Mont.³²
confertus Mank 34-75³²
- confertus Lec. Ida.³²
nectris Leech 42-133 Alb. Mont. B.C.
obliteratus Hatch 33-10 (part)³²
- strigulosus (Cr.) Mont.³²
obliteratus Hatch 33-10 (part)³²
- hoppingi Leech 42-135 Cal.
obliteratus Lec.³⁵ Colo. Utah. Nev. Cal.
regularis Lec. 52-203 L. Cal.³¹
- bjorkmanæ Hatch 39-104 Alb.-B.C.-Ore.
rectus Lec. 69-375³⁶
- cordatus Lec. N.M.-Ariz.-Mont.-Wash.³⁶
seriatus Say 23-97
- striatus* Aubé 38-305³⁷
arctus Melsh. 44-27³⁷
parallelus Lec. 50-213³⁷
- s. *seriatus* s. str.
s. *intersectus* Cr. 73-419³⁷
- lutosus Lec. 53-31 (not Crotch, 1873)³⁷
discolor Lec. 52-204³⁷
(not Harris, 1828)
lecontei Cr. 73-417³⁷
- s. *lutosus* s. str.³⁷ Cal.-B.C.-Nev.
s. *mimus* Leech 42-132 Wash. B.C.
- pandurus Leech 42-128 Cal.
brevicollis Shp. 82-503
(not Leconte, 1857)
- vandykei Leech 42-129 Cal.
æruginosus Aubé 38-298
- dispositus* Guignot 36-186³⁵
- elongatus Gyll. 27-381 Yukon
bryanti Carr 30-278³⁹
- antennatus Leech 39-217
clavatus Lec. 59-4³⁹
(not Latreille, 1804)
- moestus Curt. 35-lx
nigripalpis Sahlb. 80-56³⁹
borealis Shp. 82-513³⁹
- erichsoni G. & H. 68-454
nigro-æneus Er. 37-157³⁹
(not Marsham 02-428)
- velox Leech 39-219 Man.
clavicornis Shp. 82-536
verus Brown 31-115^{26a}

Gaurodytes⁴⁰

- Laeocornis des Gozis 14-111⁴¹
* (*Agaporus* Zimm. 19-147)⁴²
- pacificus (Leech) 40-123 B.C.
conoideus (Lec.) 50-216⁴³ Mass.-Wis. Can.

²⁶ Leech in litt.^{26a} J. Balfour-Browne—47.²⁷ Balfour-Browne—44.³¹ Leech—44.³² Leech—45.³³ Key to genera, Leech—42.³⁴ Classification of subgenera, Guignot—36.³⁵ Restricted by Leech—42.³⁶ Hatch—39.³⁷ Leech—42.³⁸ Guignot in litt., Leech—42.³⁹ Leech—39.⁴⁰ Revision of palearctic subgenera and species,

Zimmermann—34.

⁴¹ Key to species, Leech—40.

latens (Fall) 37-10 Mass. N.Y. N.H. Que.
difformis (Lec.) 55-298⁴³ Mass.-Ga -Ind.
deltoides (Fall) 23-123 Ill.

Hybiosoma^{43a}

regularis (Lec.)
oblongum (Mots.) 59-169 (not 59-
[369])²⁶

Hybius Er. 32-34⁴⁴

churchillensis Wallis 39-195 Man.
[later Degeer not N.A.]⁴⁴

Copelatus

chevrolati Aubé 38-389 L. Cal.³¹

Matus⁴⁵

ovatus Leech 41-79 Mass.-Md.-Ill.-Ont.
s. *blatchleyi* Leech 41-82 Fla. Ga. Ala.

Neoscutopterus B-B. 43-172

* *angustus* (Lec.)⁴⁶
horni (Cr.)⁴⁶

Dytiscus

ooligbucki Kby. 37-74
alaskanus B-B. 44-356^{26a}
parvulus Mots. 52-77^{26a 27}

Hydatiscus

bimarginatus Say 31-5 L. Cal.³¹

Thermonectus Dej. 33-53

Thermonectus Dej. 36-61⁴⁷
Thermonectus Melsh. 44-26
Thermonectus Cr. 73-402

basillaris Harris 29-1 (not basilaris 29-8)³¹

Graphoderus Dej. 33-54^{48 49}

fasciatocollis Harris 28-156⁵⁰
cinereus of authors (not L.)⁵⁰
perplexus Shp. 82-695⁵⁰
elatus Shp.⁵⁰
cinereus Horn (not L.)⁵⁰
zonatus of authors (not Hoppe)⁵⁰
cinereus (L.)
?fasciollis (Harris) 28-156⁵¹
?fasciatocollis of authors⁵¹

GYRINIDÆ

Enhydrinæ⁵⁴DINEUTINI⁵⁴

Dineutus MacLeay 25-30

(*Dincutes* of authors)^{42 52}
solitarius Aubé 38-780 Cal.⁴² C.A.⁵³

⁴² Leech—40.⁴³ Transferred from *Hydroporus*, Leech—40.^{43a} Treated as subgenus of *Agabus* by Guignot—36.⁴⁴ Key to species, Wallis—39.⁴⁵ Key to species, Leech—41.⁴⁶ Transferred from *Scutopterus*, Balfour-Browne—43.⁴⁷ Considered the proper form by Leech—41.⁴⁸ Credited to Aubé 38-156 by Wallis—39.⁴⁹ Key to species, Wallis—39.⁵⁰ Wallis—39.⁵¹ Leech in litt.⁵² This spelling used by Balfour-Browne—45.⁵³ Blackwelder—44.⁵⁴ Generic revision, Balfour-Browne—45.

americanus Say 23-107 (not 26-107)⁵¹
 emarginatus Say 23-108 (not 26-108)⁵¹
 s.floridensis Ochs 29-125 Fla.
 s.mitchleri Ochs 24-3 Bahamas
 CYCLINUS Kby. 37-78⁵⁴
 americanus (L.) 88-?
 assimilis (Kby.) 37-78⁵⁴

Gyrininae⁵⁴**Gyrinus**

GYRINULUS Zaitzev 07-238⁵⁴
 minutus F.
 OREOGYRINUS Ochs 35-124⁵⁴
 parvus Say * * *
 limbatus Say 23-109 (not 25-109)⁵¹
 plicifer Lec.
 ?*lateralis* Aubé 38-673 (not 38-773)⁵¹
 analis Say 23-108 (not 25-108)⁵¹
 opacus
 v.blairi Omer-Cooper (not Omar
 [Cooper])⁵¹
 pectoralis Lec. 68-370 B.C.⁵⁵
 floridensis Ochs 29-123⁵¹ Fla.

Orectochilinae⁵⁴**Gyretes**

iricolor Young 47-31 Fla.

HYDROPHILIDÆ**Ochthebius**

insulanus Brown 31-116 Vanc.I. B.C.⁵¹
 interruptus Lec. 52-210 (not 51-21)⁵¹
 [L. Cal.⁵¹

Hydraena

needhami (d'Orch.) 29-79⁵⁶ N.Y.

Helophorus

inquinatus Mannh. 52-343 (not 52-243)⁵¹
 lecontei Knisch 24-88 Cal. L.Cal.⁵⁷
 obscurus Lec. 51-210⁵⁷
 needhami d'Orch.⁵⁸

Epimetopus

thermarum S. & B. 18-130 (not 17-130)⁵¹

Hydrochus Leach 17-90 (not 17-190)⁵¹**Hemiosus**

exilis Lec.⁵⁹

Berosus⁶⁰

exilis Lec.⁶¹
 mœrens Shp. Tex.⁶²

Hydrophilus

castus Say 31-170 (not 35-170)⁵¹

⁵⁵ Leech—42.

⁵⁶ Transferred from Helophorus, Leech in litt.

⁵⁷ Leech—44.

⁵⁸ In error, see Hydraena; Leech in litt.

⁵⁹ Belongs in Berosus, Leech—43.

⁶⁰ Synonymy in 4th suppl. from d'Orch.—33
 (not —34), Leech in litt.

⁶¹ Transferred in error to Hemiosus, Leech—43.

⁶² Leech—43.

Tropisternus

PRISTOTERNUS d'Orch. 36-311
 (*Cyphostethus* d'Orch. 19-160)⁶³
 quadristriatus (Lec.) 71-331^{65 66} N.A.
 glaber Dej.⁶⁴
 sublaevis (Lec.) 55-368 Mass.
 xanthopus Shp. 82-59⁶⁴
 glaber (Hbst.) 97-298 Ill.Can.
 sublaevis d'Orch. 22-15⁶⁴
 natator d'Orch. 38-436 (N.A.)
 glaber (Lec.) (not Hbst.)⁶⁴
 glaber (Shp.) (not Hbst.)⁶⁴
 modestus d'Orch. 38-437 N.Y. N.J. Tex.
 salsamentus Fall 01-214 Cal.
 californicus Mots. 59-175^{67 68}
 (not Leconte, 1855)
 orvus Leech 45-183 Nev.Cal.Ore.
 californicus (Lec.) 55-367 Cal.—B.C.
 caligans d'Orch. 41-3⁶⁸
 columbianus Brown 31-117⁶⁹
 californicus d'Orch. 41-2⁶⁸

Crenitis

maculifrons Brown 40-183 B.C.

Enochrus⁶⁰

consortus Green 46-61 Mass.—N.J.—Ill.—
 [Minn.]

Chaetarthria Steph. 33-22 (not 32-401)⁵⁷**Phænonotum**

exstriatus Say 35-171 Md.—Fla.—Ind.—Tex.
 estriatum Lec. 53-36⁵⁷

Sphaeridium Fab.

* SPHÆRIDIDIUM s.str.
 lunatum F. N.Y.—Colo.—B.C.⁷⁰
 scarabæoides L. 58-356 N.H.—Ariz.—Cal.—
 [B.C.]⁷⁰

SPHÆRIDIDIOLINUS Menozzi

[21-53]⁷⁰
 bipustulatum Fab. 81-78 Eur. N.Y.—
 [Wash.]⁷⁰
 a.quadrinaculatum Marsh. 02-66
 [Mich. Wash.]⁷⁰
 a.humerale Westh. Mich.⁷⁰
 a.marginatum Fab. Mich.⁷⁰

Cereyon

terminatum Marsh.
 2884 = (not 2484 =)⁵¹
 falli Winters 44-95 N.J.—B.C.
 analis of Fall^{69a}
 analis (Payk.) N.J.^{69a} Eur.

Megasternum

boletophagum Marsh. 02-72 Wash.⁷⁰ Eur.
 pugetense Hatch 46-79 Wash.

SILPHIDÆ**Nicrophorini****Nicrophorus**

NECROPTER Sem.

⁶³ d'Orchymont—36.

⁶⁴ d'Orchymont—38.

⁶⁵ Error for Horn 71—331.

⁶⁶ Listed as distinct by d'Orchymont—38.

⁶⁷ d'Orchymont—41.

⁶⁸ Leech—45.

⁶⁹ Listed as synonym of californicus by d'Orchy
 mont—41.

^{69a} Winters—44.

⁷⁰ Hatch—46.

vespillioides Hbst.⁷¹
defodiens Port. & Hatch
 v.vespillioides s.str.
pygmaeus Kby.
hebes Kby.
humeralis Hatch
 a.ruber Hatch
 a. nearcticus Hatch 40-234
defodiens Port. & Hatch (part)
 a.nicolayi Hatch
 a.oregonensis Hatch
 s.defodiens Mannh.
nunemacheri Leech
nunemacheri Hatch 40-234
 a.binotoides Hatch 40-234
binotatus Hatch (not Port.)
 a.conversator Walk.
defodiens var. b. Mannh.
lateralis Port.
 a.pacificæ Hatch
 a.gaigei Hatch
 a.walkerii Hatch 40-234
conversator Port. & Hatch (not Walk.)
 a.kadjakensis Port.
 a.mannerheimi Port.
 a.binotatus Port.
 investigator Zett.
 s.nigritus Mannh. Wash.⁷²
 s.guttulus Mots. Wash.⁷²
 a.woodgatei Hatch Wash.⁷²
 a.vandykei Angell Wash.⁷²

* * *

NICROPHORINI⁷³

Nicrophorus Fab.

NECROCHARIS Port.
 carolinus Fab.
mediatus Fab.
 a.mysticallis Ang.
 a.scapulatus Port.
 a.dolosus Port.
 a.floridæ Hatch
 a.krautwurini Hatch
 a.lunulatus Hatch
 a.nebraskæ Hatch
 NICROPHORUS s.str.
 orbicollis Say
halli Kby.
quadrisignatus Cast.
 humator Fab.
sulactus Fisch.
grandior Ang. (part)
 v.atricornis Meier
 a.maculosus Meier
 a.rubropleuralis Delah.
delahoni Schilsky MS
 a.signiceps Delah.
 s.tenuipes Lewis
 sayi Cast.
lumulatus Gistel
lunatus Lec.
luniger G. & H.

marginatus Fab.
requisicator Gistel
montezuma Matth.
 a.cordiger Port.
 a.sanjuane Hatch
 a.engelhardti Hatch
 a.leachi Hatch
 vespillioides Hbst.
mortuorum Fab.
fractus Port.
 a.andrevesi Port.
 a.aurora Mots.
hebes Kby.
pygmaeus Kby.
vespillioides Lec. (not Hbst.)
defodiens Mannh.
disjunctus Wil.-Ellis
 a.humeralis Hatch
 a.tristis Port.
 a.steinfeldi Smirnov
 a.maculatus Wil.-Ellis
 a.altumi Westh.
 a.subfasciatus Port.
 a.subinterruptus Pic
 v.borealis Port.
 v.sylvaticus Reitt.
 a.sylvivagus Reitt.
 a.ruber Hatch
 a.nearcticus Hatch
 a.nicolayi Hatch
 a.oregonensis Hatch
 s.defodiens Mannh.
nunemacheri Hatch (not Port.)
 a.binotoides Hatch
binotatus Hatch (not Port.)
 a.conversator Walk.
defodiens var. b. Mannh.
lateralis Port.
pollinator Lec. (not Mannh.)
 a.pacificæ Hatch
 a.walkerii Hatch
conversator Port. (not Walk.)
 a.gaigei Hatch
 a.kadjakensis Port.
 a.mannerheimi Port.
 a.binotatus Port.
plagiatus Mots.
 vespillio L.
vulgaris Fab.
cadaverinus Grav.
curvipes Duft.
 a.faureli Fauc.
 a.varendorffi Westh.
 a.bolsmanni Westh.
 a.æthiops Scheich.
 a.minor Westh.
 a.germani Hatch
 americanus Oliv.
grandis Fab.
virginicus Frol.
 melsheimeri Kby.
 hybridus Hatch & Ang.
 v.minesotianus Hatch
 nigritus Mannh.
 v.ruficornis Mots.

⁷¹ Revision by Hatch—40.⁷² Hatch—40.⁷³ Revision by Arnett—44. (Numerous misspellings are copied from this work.)

pustulatus Hers.
bicolor Newm.
tardus Mannh.
 a.coloradensis Hatch
 a.noveboracensis Hatch
 a.fasciatus Port.
 a.unicolor Port.
 investigator Zett.
ruspator Er.
infodiens Mannh.
confossor Mots.
microcephalus Thoms.
pustulatus Horn (not Hers.)
labiatus Mots.
vestigator Gyll. (not Hers.)
 s.investigator s.str.
 a.suturalis Mots.
infodiens var. b. Mannh.
 a.funeroer Reitt.
 a.funerator Faur.
 v.variolosus Port.
 a.intermedius Reitt.
 a.jamezi Hatch
 a.lutescens Port.
 s.maritimus Guer.
aleuticus Guer.
pollintor Mannh.
sibiricus Mots.
infodiens var. c, Mannh.
 a.martini Hatch
 a.clarencei Hatch
 a.sitkensis Hatch
 a.massetti Hatch
 a.grahami Hatch
 a.charlottei Hatch
 a.particeps Fisch.
 a.japani Hatch
 tomentosus Web.
velutinus Fab.
 a.communis Hatch
 a.elongatus Hatch
 a.angustefasciatus Port.
 a.splendens Hatch
 a.brevis Hatch
 v.aurigaster Port.
 germanicus L.
listerianus Fourcr.
 a.speciosus Schultze
 a.bimaculatus Steph.
 a.frontalis Fisch.
 a.fassifer Reitt.
 a.apicalis Kr.
 v.ruthenus Mots.
grandior Ang.
 guttula Mots.
 s.guttula Mots.
 a.ruficornis Mots.
 a.sanfranciscæ Hatch
 a.punctatus Hatch
 a.shastæ Hatch
 a.hypomerus Hatch
 a.lajollæ Hatch
 a.vandykei Ang.
 a.quadriguttatus Ang.
 a.kuschei Hatch.
 mexicanus Matth.
 hecate Bland.
 a.wallisi Hatch
 a.californiæ Hatch
 a.intermedius Hatch

a.disjunctus Port.
 a.woodgatei Hatch
 a.phoenix Hatch
 a.novamexicæ Hatch
 a.rubripennis Port.
 a.rubrissimus Hatch
 a.immaculosus Hatch
 obscurus Kby.
melsheimeri Lec.
 a.discontinus Hatch
 a.ruber Hatch

SILPHINI ⁷³**Silpha** L.

littoralis L.
 f.surinamensis Fab.
 a.bizonatus Port.
disciocollis Brullé
analis Chevr.
æquinoctialis Gistel
brasiliensis Dej.
cayennensis Berg (not Sturm)
 v.elongata Port.
 v.discreta Port.

Thanatophilus Leach

OICEOPTOMA Leach

americana L.
peltata Catesby
 a.affinis Kby.
terminata Kby.
canadensis Kby.
 a.brunnipenis Hatch
 noveboracensis Forst.
marginalis Fab.
marginata Kby.
quadripunctata L.
quadripunctulata Muller
quadrinaculata Sam.
 v.sexipunctata Gerh.
 a.bifasciata Schulze
inaequalis Fab.
 s.rugulosa Port.
subrugata Chevr. MS
 a.bicolorata Hatch
 ramosa Say
cervaria Mannh.
ænescens Csy.
 THANATOPHILUS s.str.
lapponica Hbst.
tuberculata Germ.
 s.caudata Say
californica Mannh.
 s.granigera Chevr.
 trituberculata Kby.
sagax Mannh.
 coloradensis Wickh.
obalskii Port.
 truncata Say
mexicana Chevr. MS

Blitophaga Reitt.

opaca L.
hirta Schaff.
villosa Næzen.
tomentosa Villers
 v.samnitica Fiori
 v.binotata Port.
 bituberosa Lec.

* * *

Silpha ⁷⁵

- THANATOPHILUS Leach
- trituberculata Kby. Wash.⁷⁶
- lapponica Hbst. Colo.⁷⁷ Ill.⁷⁶
- * * *
- coloradensis Wickh. B.C.⁷⁷
- obalskii Port. 20-507 ⁷⁷
- littoralis L. Eur. Asia, N.A.
- surinamensis Fab. 92-72 ⁷⁸

Ptomaphagus

- ADELOPS Tellk.
- shapardi Sandn. 39-121 Okla.

STAPHYLINIDÆ

Piestinae ⁷⁹

Piestus

Hypotelus

Trigonurus Muls. 47-515 ⁸⁰

- * edwardsi Shp. 75-205 Cal. Ore.
- sharpi Blkw. 41-4 Cal.-B.C.
- crotchi Lec. 74-48 Cal.-B.C.
- lecontei Shp. 75-205 ⁸⁰
- lecontei Shp. 75-206 ⁸⁰
- leconteus Fvl. 78-185 ⁸⁰
- cælatus Lec. 74-48 Cal.
- rugosus Shp. 75-204 Nev. Cal.
- dilatocollis VanD. 34-178 Cal. B.C.

Siagonium

- Trigites Handl. 07-731
- (Pseudeuleus Bnhr. 23-63)⁸¹
- (Triga Fvl. 77-183)⁸¹
- * * *

Phlœocharinae

- Rimulincola Sandn. 46-131 ⁸²
- divalis Sandn. 46-131 Ark

Omaliinae

- Trigonodemus fasciatus Leech 39-258 B.C.

Anthobium

- EUSPHALERUM Kr. 58-1003
- californicum Fvl. Wash. Ore.⁸³
- orientale Bnhr. Wash.⁸³
- farraræ Hatch 44-101 Wash.
- grayæ Hatch 44-102 Wash. Ore.
- ANTHOBIIUM s.str.
- bonnelli Hatch 44-103 Wash.
- minskæ Hatch 44-104 Wash.

Oxytelinae

- Carpelimus Sam. 19-174 ⁸¹
- (Trogophlæus Mannh. 31-463)⁸¹

⁷⁵ Key to larvæ, Dorsey—40.
⁷⁶ Hatch—40.
⁷⁷ Bjorkman & Hatch—39.
⁷⁸ Arnett—46.
⁷⁹ Elevated from tribe, Blackwelder—43.

- (Tænosoma Mannh. 31-464)⁸¹
- (Carpalimus Steph. 32-324)⁸¹
- (Boopinus Klima 04-56)⁸¹
- (Teropalpus Sol. 49-330, subg.)⁸¹
- (Trogolinus Shp. 00-231)⁸¹
- (Troginus M. & R. 79-316, subg.)⁸¹
- (Amisammus Gozis 86-5, subg.)⁸¹
- (Amisanimus B. & S. 10-95)⁸¹
- fulvipes Er. 40-804 N.A. C.A. S.A. W.I.
- rubripennis Fvl. 63-440 ⁸¹
- senilis Shp. 80-51 ⁸¹
- texasus Csy. 89-332 ⁸¹
- aqualis Gundl. 93-300 ⁸¹

Coprophilus

- sexualis Leech 39-259 B.C.

Apocellus Er. 40-812

- (Ocaleomorpha Fleisch. 21-114)⁸¹

Oxytelus Grav. 02-101

- (Caccoporus Thoms. 61-127)⁸¹
- (Styloxys Gozis 86-15)⁸¹
- (Epomotylus Thoms. 61-128, subg.)⁸¹
- (Tanycrærus Thoms. 61-129, subg.)⁸¹
- (Anotylus Thoms. 61-130, subg.)⁸¹
- (Emopotylus Bnhr. 10-359, subg.)⁸¹

Platystethus Mannh. 31-460

- (Platysthetus Steph. 33-273)⁸¹
- (Pyclocrærus Thoms. 61-125)⁸¹
- spiculus Er. 40-784 Tex. C.A. S.A. W.I.
- exiguus DuVal 57-41 ⁸¹

Osoriinae ⁸⁴

LISPININI ⁸⁴

Lispini ⁸⁴

Pseudolispinodes Bnhr. 26-258

- tenella (Er.) 40-23 N.A. C.A. S.A. W.I.
- fauveli (Shp.) 87-720 ⁸¹
- flavipennis (Fvl.) 65-58 ⁸¹
- tenuis (Lec.) 63-60 ⁸¹

Lispinus Er. 40-828

- æquipunctatus Lec. 68-50 N.M. Ariz.
- linearis Er. 40-829 N.A. C.A. S.A.

Inopepli ⁸⁵

Inopeplus Smith 51-4 ⁸⁵

- (Ino Lap. 34-135, not Schrank)⁸⁴
- (Euryplatus Mots. 59-95)⁸⁴
- (Pseudino Fairm. 69-208)⁸⁴
- reclusa Lec. 80-186 Fla. Ala. Tex.
- immunda Rtrr. 78-191 Md.

Thoracophori ⁸⁴

Thoracophorus Mots. 37-98

- (Leipophorus Bnhr. 26-261)⁸⁴
- (Stilbogastus Bnhr. 08-286)⁸⁴

⁸⁰ Key and revision, Blackwelder—41.
⁸¹ Blackwelder—43.
⁸² Doubtfully assigned here, Sanderson—46.
⁸³ Hatch—44.
⁸⁴ Generic revision, Blackwelder—42.
⁸⁵ Transferred from Cucujidæ, Blackwelder—42.

- brevicristatus (Horn) 71-332 Fla. Ariz. (C.A. W.I.)
 costalis (Er.) 40-909 Mass.-Fla.-Neb.-[Cal.]
 fletcheri Wend. 27-5 Minn.⁸⁶
 Eleusii⁸⁴
- Eumalus** Shp. 87-732
 nigrellus (Lec.) 63-59 Md.-Tex.-Wash.-Mich.
 a.canadensis (Horn) 71-299 Ont. Ohio
- Eleusis** Lap. 35-131
 (*Chasolium* Lap. 35-132)⁸⁴
 (*Isonalus* Er. 40-132)⁸⁴
 humilis (Er.) 40-839 Cal. Ariz. C.A. S.A.
 fasciata (Lec.) 63-59
 indica (Kr.) 59-183
 subtilis Shp. 89-467
 pallidipennis (Fvl.) 65-40
 tenuis (Fvl.) 65-41
 tenuis (Walk.) 59-52
 pallida (Lec.) 63-58 N.Y.-D.C.-Iowa
 Paralispini⁸⁴
- Paralispinus** Bnhr. 21-67
 (*Ancæus* Fvl. 65-60)⁸¹
 californicus (Lec.) 63-59 Cal.-Wash.
 exiguus (Er.) 40-830 N.A. C.A. S.A. W.I.
 aruensis (Fvl.) 78-200
 fauveli (Shp.) 76-392
 lævigatus (Kr.) 59-188
 obscuripennis Bnhr. 26-255
 pallescens (Bl. & S.) 85-126
 rufescens (Lec.) 63-59
 rufus (Fvl.) 65-60
 prolixus (Lec.) 77-250 N.Y. Mich. S.D.
 Osoriini⁸⁴
- Neotrochus** Blkwr. 43-164
 minor (Fvl.) 63-437 ?N.A. W.I. S.A.
 parvulus (Chpn.) 28-66 La.
 arizonicus (Chpn.) 28-66 Ariz.
 lævicauda (Lec.) 66-376 Ky.-N.M.-Mich.
 brachypterus (Fvl.) 05-136 Va.-Fla.-La.
 minor (Lec.) 77-216⁸¹
- Osorius** Latr. 27-332
 (*Molosoma* Say 34-462)⁸¹
 politus Lec. 77-215 Fla.
 brevicornis Notm. 20-698 Fla.
 planifrons Lec. 77-215 Ind. Fla.-Ariz.
 parviceps Notm. 25-12 Fla.
 brevipennis Notm. 25-14 Ariz. C.A.
 variolatus Notm. 25-17 Ariz.
 difficilis Notm. 25-17 Ariz.
 latipes (Grav.) 06-198 Pa.-Fla.-Tex.-S.D.
- Steninae**
- Stenus** Latr. 96-77
 (*Nestus* Rey 83-183)⁸¹
 (*Hemistenus* Mots. 60-557, subg.)⁸¹
 (*Mesostenus* Rey 83-183)⁸¹
- (*Parastenus* Heyd. 05-262)⁸¹
 (*Hypostenus* Rey 83-183, subg.)⁸¹
 (*Astenus* Lynch 84-341)⁸¹
 (*Stenosidotus* Lynch 84-338)⁸¹
 (*Arens* Csy. 84-150)⁸¹
 (*Tesnus* Rey 83-183, subg.)⁸¹
 (*Mulinus* Csy. 84-146)⁸¹
 vista Sandn. 46-430 Colo. Man. N.W.T.
- Stylopodinae**⁸¹
- Stylopodus** Ben. 17-190
 (*Megalops* Er. 40-751)⁸¹
 (Not Lacepède)
 (*Perostylus* Ben. 17-190)⁸¹
 (Not Pilsbry)
 (*Megalopsidia* Leng 18-204, subg.)⁸¹
 (*Aulacotrachelus* Ben. 21-1)⁸¹
 (*Megalopsidiella* Bnhr. 33-333, [subg.]⁸¹
 (*Gata* Blkwr. 43-202, subg.)
- Pæderinae**
- Ochtheophilum** Steph. 29-287⁸¹
 (*Cryptobium* Mannh. 31-452)⁸¹
 (*Ababactus* Shp. 85-533, subg.)⁸¹
 (*Cryptobiella* Csy. 05-29, subg.)⁸¹
 (*Neobactus* Blkwr. 39-96, subg.)⁸¹
 (*Ochtheophilum*, typ. error)
 fracticorne (Payk.) 90-135 Eur. N.Afr. [Mass.]^{86a}
- Daenochilus**
 fresnoensis Leech 39-261 Cal.
- Lithocharis**
 ardenus Sandn. 45-94 N.Y.-Ga.-Kan.
- Rugilus** Sam. 19-173⁸¹
 (*Stiliculus* L. & S. 25-495)⁸¹
 (*Stilicosoma* Csy. 05-219)⁸¹
- Stilicolina**⁸⁷
 fasta Sandn. 47-28 Ariz.
- Astenus**
 fletcheri Wend. 27-5 Minn.⁸⁶
- Sunius** Steph. 29-287
 HYPOMEDON M. & R. 78-122⁸¹
 (*Chloëcharis* Lynch 84-257)⁸¹
 (*Hemimedon* Csy. 05-160)⁸¹
 (*Lena* Csy. 05-189)⁸¹
 (*Euastenus* Fiori 15-10)⁸¹
 SUNIUS s.str.
 (*Oligopterus* Csy. 86-12)⁸¹
 (*Medonella* Csy. 05-180)⁸¹
 (*Micromedon* Csy. 05-155)⁸¹
 (*Xenocharis* Brg. 34-328)⁸¹
 CALODERMA Csy. 86-5⁸¹
 TRACHYSECTUS Csy. 86-38⁸¹

⁸⁶ Originally cited in error as N.Y.; see Fletcher 30-190.

^{86a} Frost-47.

⁸⁷ Key to species, Sanderson-47.

(*Actobius* FvL. 76-72)⁸¹
(*Neobisnius* GgIb. 95-464)⁸¹

- Staphylinus** L.⁸⁸
(*Staphylinus* Rau 44-15)
maculosus Grav.
maculosis Rau 44-15
- Ocypus** Sam. 19-172 (not Kr. 58-536)⁸¹
ater Grav. Cal.⁸⁹
GOËRIUS Steph. 29-275⁸¹
olens Müll. 64-23 Cal.^{89, 90} Mex.⁹⁰ Eur.
- Atanygnathus** Jacobs. 09-521
(*Tanygnathus* Er. 38-417, not [Wagler]⁸¹
(*Tanygnathinus* Rtrr. 09-105)⁸¹

- Xestolinus**
oregonus K. Fend. 46-66 Ore.

Trichopseniinæ⁹¹

- Trichopsenius** Horn 77-88⁹²
* depressus (Lec.) 63-30 Fla. Tenn. La.
xenoflavipes Scév. 45-70 Ind. Ill.
frosti Scév. 45-70 Mass.
longipes Scév. 45-71 Utah. Cal.
- Xenistusa**
hexagonalis Scév. 41-324 Fla.

Tachyporinæ

- Tachinus**
quebecensis Robert 46-70 Que.
- Bolitobius**
kremeri Malkin 44-23 Ore. Wash.
ruber Malkin 44-24 Man. B.C.
kelleyi Malkin 44-26 B.C.
cascadensis Malkin 44-27 Ore.
s.hatchi Malkin 44-28 Wash.
intrusus Horn
v.wallisi Malkin 44-28 Man.
vandykei Dethlefsen 46-71 Cal. Wash.
- Coproporus**
ventriculus Say Ida.⁹³
- Conosomus** Mots. 57-54⁸¹
(*Conurus* Steph. 29-272, not Kuhl)⁸¹
(*Conosoma* Kr. 57-431)⁸¹

Pulicomorphinæ⁹⁴

- Pulicomorpha** Mann 24-87⁹⁴
* cœca Mann 24-88 L.Cal.
- Beyeria** Fenyes 10-118⁹⁴
* vespa Fenyes 10-119 Ariz.
pulex Sandn. 43-137 Ark.

⁸¹ Blackwelder—43.
⁸⁸ Key to larvæ, Voris—39.
⁸⁹ Van Dyke—45.
⁹⁰ Blackwelder collection.
⁹¹ Seevers—41.
⁹² Revision, Seevers—45.
⁹³ Malkin—44.
⁹⁴ Revision, Sanderson—43.

PSELAPHIDÆ

- Batrisodes**
cartwrighti Sandn. 40-169 S.C.
curvatus Sandn. 40-170 S.C.

CLAVIGERIDÆ

- Fustiger**
knausi Schffr. Colo.⁹⁵

LIMULODIDÆ⁹⁶

(*Limulodinæ*, *Cephaloplectinæ*)⁹⁷

- Limulodes** Matth. 67-409
* (*Ecitoxenus* Wasm. 08-182)⁹⁷
LIMULODES s.str.
paradoxa Matth. 67-409 Mass.-Ariz.
NEOLIMULODES Scév. & [Dybas 43-570
parki S. & D. 43-570 Ill. Ind. Ia. Tex.
paradoxa Wickh. 92-322 (part)⁹⁷
IDIOLIMULODES Scév. & [Dybas 43-572
navajo S. & D. 43-572 Ariz.
paradoxa Wickh. 92-322 (part)⁹⁷

SPHÆRITIDÆ

- Sphærites**
politus Mannh. 46-514⁹⁸ Alas. Alb. Cal.
glabratus Horn 80-247⁹⁸
[glabratus Fabr. not N.Amer.⁹⁸]

HISTERIDÆ

(see also below)

- Hololepta**
fossularis Say 25-47
æqualis Say 25-47⁹⁹
- Hister**
falli Bickh. 12-290
gagates Fall 10-121¹
(not Illiger, 1807)
PARALISTER Bickh. 16-188
osculatus Blatch. 10-607³
puncticollis Schffr. 12-26²
dispar Lec. 45-57³
purpurascens Hbst. 92-42 Eur. Pa.²
- Spilodiscus** Lewis 06-343⁴
floridanus Ross 40-7 Fla.
gloveri Horn 70-134⁵
- ⁹⁵ Rotger—44.
⁹⁶ New family, with key to genera and species,
Seevers & Dybas—43.
⁹⁷ Seevers & Dybas—43.
⁹⁸ W. J. Brown—44.
⁹⁹ Bradley—43.
¹ Bickhardt—12 and McGrath & Hatch—44.
² Siepmann—39.
³ Placed in subgenus by Bradley—43.
⁴ Used as valid genus, Ross—40.
⁵ Transferred from Hister, Ross—44.

Atholus Thoms. 62-228 ⁴
 minutus Ross 40-8 Fla.

Pseudister
 (hospes Lewis 02-236 prob. not N. Amer. ⁶)

Platysoma
 lecontii Mars. 53-273 ⁷
 depressum Lec. 45-40 ⁶
 lecontei of authors ⁶

Psiloseclis
 repletus Lec. ⁸

Dendrophilus ⁹
 opacus Ross 40-104 S.C.

Terapus ¹⁰
 * arizonensis Ross 38-48 Ariz.
 infernalis (Fall) 07-69 Cal.

Onthophilus
 kirni Ross 44-115 Tex.

Aceritus
 attaphilus Wenzel 39-384 Tex.

Saprinus
 lanei McGr. & H. 41-58 Wash.
 insertus Lec
 a micropunctatus McGr. & H. 41-60 [Wash.
 fimbriatus Lec Wash.
 v desertoides McGr. & H. 41-61 Wash.
 rossi Wenzel 39-388 Ill.

Eremosaprinus Ross 39-39 ^{11 12}
 * unguiculatus (Ross) 39-40 Cal.
 falli (Ross) 39-41 Cal.
 carinifer (Fall) 17-167 Cal.
 opacus (Horn) 94-364 L. Cal.
 hubbardi (Wenzel) 39-386 Cal.

Geomysaprinus Ross 40-2
 * goffi Ross 40-3 Tex. ¹³ Fla.
 tibialis Ross 40-5 Fla.
 rugosifrons (Fall) 19-213 ¹⁴ Man.

Yarnister Wenzel 39-391
 barberi Wenzel 39-392 Fla.

Reninus Lewis 89-275
 (Renia Lewis 85-467) ¹⁵
 salvini Lewis 88-220 Tex. ¹⁵ Mex.

Hypocæceus
 kincaidi McGr. & H. 41-62 Wash.

* * *

HISTERIDÆ ¹⁶

(see also above)

SAPRINOMORPHÆ

Abraëinae ¹⁶

ABRÆINI ¹⁶

Abraeus ¹⁶

⁶ Bradley—43.
⁷ Correct spelling, Bradley—43.
⁸ A species inquirendæ, Bradley—43.
⁹ Key to species, Ross—40.
¹⁰ Key to species, Hinton—45.

PLEGADERINI ¹⁶

Plegaderus ¹⁶

ACRITINI ¹⁶

Aeletes ¹⁶

floridæ Mars. ¹⁶

Halaeritus Schmidt 93-ciii ¹⁶

(*Paracritus* Brêthes 23-40) ¹⁶

parellelus Csy. 16-251

W. Va.

salinus (Lec.) 78-402

Fla.

maritimus (Lec.) 51-170

Cal.

Aceritus Lec. ¹⁶

exiguus Er. 34-208

subdepressus (Blatch.) 22-13 ¹⁶

TERETRIINI ¹⁶

(*Teretrius*, *Teretriosoma*)

Saprininae ¹⁶

Saprinus ¹⁶

Geomysaprinus Ross 40-2 ¹⁶

rugosifrons (Fall) 19-213

Man.

Hypocæceus ¹⁶

iris (Fall) 19-214

Man. Wis.

alutiger (Wenzel) 35-789 ¹⁶

Dendrophilinae ¹⁶

Geocolus Wenzel 44-92

cæcus Wenzel 44-94

Ga.

Bacanius ¹⁶

Carcinops Mars. ¹⁶

cribripuga Wenzel 44-102

Fla.

Tribalinae ¹⁶

Epierus ¹⁶

Histerinae ¹⁶

HOLOLEPTINI ¹⁶

Hololepta ¹⁶

HISTERINI ¹⁶

Margarinotus Mars. 53-549 ¹⁶

* (*Grammostethus* Lewis 06-400) ¹⁶

(*Paralister* Bickh. 16-188) ¹⁶

(*Stenister* Reich. 26-270) ¹⁶

adonis (Blatch.)

¹¹ Described as a subgenus of *Saprinus*.

¹² Considered a distinct genus, Ross—40.

¹³ Ross—44.

¹⁴ Transferred from *Saprinus*, Ross—44.

¹⁵ Wenzel—40.

¹⁶ Partial reclassification of family, Wenzel—44.

- cadaverinus (Hoffm.) 03-34
 obtusatus of authors ¹⁶
 virginia (Csy.) 93-541 ¹⁶
 californicus (Mars.)
 cognatus (Lec.)
 confusus Wenzel 44-133 Mass.-Ill.
 davisii (Schief.)
 ednæ (Carn.)
 egregius (Csy.)
 felipæ (Lewis)
 fidelis (Csy.)
 fractifrons (Lewis)
 guttifer Horn
 immunis (Er.)
 interruptus (Beauv.)
 lecontei Wenzel 44-134 Que.-N.C.-Wis.
 cognatus of authors ¹⁶
 marginicollis (Lec.)
 merdarius (Hoffm.)
 mormon (Csy.)
 oblitus (Csy.)
 planifrons (Lewis)
 pluto (Csy.)
 rectus (Csy.)
 remotus (Lec.)
 sinuosus (Lewis)
 stercorarius (Hoffm.) 03-57 Mass. Ill.
 [Ore. Eur.]
 semisculptus (Lec.) 63-60 ¹⁶
 stygius (Lec.)
 umbilicatus (Csy.)
 umbratilis (Csy.)
 umbrosus (Csy.)
Atholus Thoms. ¹⁶
 bolteri Wenzel 44-137 Fla.
- Heteriinae** ¹⁶
- HETÆRIOMORPHINI* ¹⁶
- Yarmister** ¹⁶
 * * *
- LAMPYRIDÆ**
- Brachylampis** VanD. 39-15
 sanguinicollis VanD. 39-16 Cal.
 blaisdelli VanD. 39-17 Cal.
- CANTHARIDÆ**
- Chauliognathus**
 texanus K. Fender 43-63 Tex.
- Podabrus** ²⁰
 fayi Lec. 66-91 ¹⁷
 cascadensis K. Fend. 43-64 Ore.
 brunneus K. Fend. 43-65 Ariz.
 danielsi K. Fend. 43-65 Wash. ¹⁸ Ore.
 latimanus Mots. Ore. ¹⁸
 conspiratus Fall Ore. ¹⁸
- pruinosis Lec. Ore. ¹⁸
 v. *diversipes* Fall Ore. ¹⁸
 falli Hopp. Wash. Ore. ¹⁸
 fulvus Fall Ore. ¹⁸
 lanei K. Fend. 45-78 Wash. Ore. Ida.
 extricatus Fall Ore. ¹⁸
 macer Lec. Ore. Wash. ¹⁸
 piniphilus Esch. Ore. Wash. ¹⁸
 extremus Lec. N.H. Alb. Wash. Alas. ¹⁸
 bolteri Lec. Cal. ¹⁹ Ore. ¹⁸
 pattoni Lec. 66-394 Can. Pa. ¹⁹
 deceptus Brown 40-161 Man.
 perplexus Brown 40-161 Man.
 secretus Brown 40-161 Que.
 fissilis Fall Wash. ¹⁸
 instabilis Fall (not Lec.) Ore. Wash. B.C. ¹⁸
 cavicollis Lec. Wash. Ore. ¹⁸
 frosti K. Fend. 46-12 Mass.
 planulus Green 47-65 N.H.-Pa.-Mich.
 intrusus Green 47-67 Vt. Pa. Mass. Mich.
 brimleyi Green 47-70 N.C.
 dreisbachi Green 47-73 Mich.
 dietrichi Green 47-74 N.Y.
 antennatus Green 40-172 Mass.-Va.-Minn.
 sylvaticus Green 40-173 Ont.-Ga.
 parvicollis Green 40-175 Pa. N.J. N.C.
 proximus Green 40-176 N.Y. N.J.
 umbrinus Green 40-181 Me.-Fla.
 cartwrighti Green 40-182 N.C. Mich.
 hirticulus Green 40-183 Pa. N.C. Ind.
 mimeticus Green 40-184 W.Va. Ala. N.C.
 angulatus Say 23-180 ²¹ [Ga.
 flavipes Lec. 51-341
 dichrous Lec. 51-341 ²²
 picticornis Green 40-191 Colo. N.M. Ariz.
 tenuis Green 40-192 Me.-N.C.
 campestris Green 40-194 Kan.-Minn.
 vestigialis Green 40-195 N.J.
 septentrionis Green 40-197 Man. Minn.
 coloradensis Green 40-198 Colo. Utah
 [Mont.
 oriflavus Lec. 74-273 ²¹ Me.-Ala.-Kan.
 imbecillis Lec. 51-342
 imbecillis Leng 20-143 ²²
 albolineatus Blatch. 17-143 ²²
 imbecillus Blkwr. 39-31 ²²
 nigriceps Lec. 50-230 ²¹
 pusillus Lec. 81-52 (not 1851) ²²
 mollis Fall 36-182 ²²
 s. *mimus* Fall 36-182 ²²
 greeni Fall 36-183
 greeni Blkwr. 39-32 ²²
 trianguliferus Green 40-207 N.J.-Fla.-
 [Ark.
 nigrohumeralis Green 40-207 Va.-Ala.
 heterodoxus Green 40-208 Mass.-Ala.-Ill.
 bilobatus McK.-Fend. ²⁴ 41-128 Ont.-
 N.C.-Tex.
 carolinus Fab. Ont.-Fla.-Tex.-Minn. ²³
 dentatus McK.-Fend. 44-20 Cal.
- Polemius**
 canadensis Brown 40-162 N.B.

¹⁶ Partial reclassification of family, Wenzel—44.¹⁷ Valid species, K. Fender—45.¹⁸ K. Fender—45.¹⁹ Localities transposed in Leng Cat., K. Fender—45.²⁰ Key to species, Green—40.²¹ Valid species, Green—40.²² Green—40.²³ McKey-Fender—41.²⁴ This spelling was later adopted by Mrs. Dorothy McKey Fender, to avoid confusion with Kenneth Fender.

Silis

freemani Brown 40-163

Malthodes

hirsutotibialis K.Fend. 45-38
 oregonus K.Fend. 43-66
 frosti K.Fend. 43-67
 humidus K.Fend. 43-68
 frisoni K.Fend. 46-142
 rotgeri K.Fend. 46-143
 macnabi K.Fend. 46-144

MELYRIDÆ**Malachius** ²⁵

rotgeri Marshall 46-191
 yuccæ Hopp. 39-61
 blaisdelli Hopp. 39-62

Trichochroides Blais. 38-25 ²⁶

* scabricollis Blais. 40-290
 muiri Blais. 27-165
 falsus Blais. 40-292
 nunenmacheri Blais. 40-294
 vanduzeei (Blais.) 24-322 ²⁷
 sexualis (Csy.) 95-524 ²⁷
 palpalis (Blais.) 23-321
 crassicornis Blais. 40-300
 parvicollis Blais. 40-301
 virilis Blais. 40-303

Tanaos ²⁸

greeni M.Y.Marsh. 44-164
 neglectus M.Y.Marsh. 46-185
 abdominalis Lec. 59-74
 v. alutaceus M.Y.Marsh. 46-186
 sierræ M.Y.Marsh. 46-187
 nunenmacheri M.Y.Marsh. 46-189
 oregonensis M.Y.Marsh. 46-190

Microlipusuniformis (Mots) 59-405 ²⁹**Anthocomus**

erichsoni Lec. 52-165 ³¹
 criddlei (Brown) 28-146 ³⁰
 otiosus Er. 40-99 [sic] ³⁰

Attalus

nigrellus Lec. 52-167
 falli (Hopp.) 25-206 ³⁰
 minutus M.Y.Marsh. 46-193

Eudasytes

brunnipilosa Blais. 40-319

Eutrichopleurus

concinus Blais. 40-321

Enallonyx Wole. 44-47

Tex. (*Allonyx* Lec. 62-193)³²
 (not DuVal, 1860)

CLERIDÆ**Tillinæ****Monophylla**

(*Macrotelus* Klug 42-274)³³
 (*Elasmocerus* Lec. 49-13)³³

Callotillus**Tillus**

(*Cylinder* Voet 06-78)³³
 patagonicus Knull 46-72

Ariz.

Perilypus**Lecontella****Cymatodera**

pseudotsugæ Barr 47-17
 xavieræ Knull 40-555

Cal. Ore.
Ariz.**Bostrichoclerus****Phyllobæniinæ** ^{33 41}**Phyllobænus** Dej. 37-127 ^{33 43 44}

(*Hydnocera* Newm. 38-379)^{33 42}
 (*Theano* Chev. 43-33, not Cast.)³³

humeralis (Say) 23-192

humeralis Germ. 24-80 ⁴²*v. cyanescens* (Lec.) 49-28 ³⁴*difficilis* (Lec.) 49-27 ³⁴

verticalis Say 35-164

brachyptera (Klug) 42-313 ³⁴*lineatocollis* (Spin.) 44-51 ³⁴*tenella* (Say) 35-164 ³⁴**Isohydnocera** ^{23 42}**Wolcottia** ^{33 42}**Thaneroclerinae** ^{33 44}**Thaneroclerus** Lef. 38-13 ⁴⁴* (*Taneroclerus* Chev. 80-10)³³(*Thaneroclerus* Chenu 60-247)⁴⁴(*Thaneroclerus* G. & H. 69-1739)⁴⁴(*Metademius* Matsum. 35-234)³³buquet Lef. 35-577 ^{34 44} N.Y. Fla. Cal.*buqueti* Westw. 38-13 ^{34 44} [Cosmop.]**ERRATUM**

Fifth Supplement to Leng Catalogue.

Your attention is drawn to an omission on page 12, column 2. The generic name *CANTHARIS* should be inserted between lines 23 and 24 (dietrichi Green and antennatus Green). This name should be followed by footnote reference 20.

In column 1 after the genus *PODABRUS* delete the footnote reference.

CANTHARIDÆ

cadaverinus (Hoffm.) 03-31
obtusatus of authors ¹⁶
virginæ (Csy.) 93-541 ¹⁶
 californicus (Mas.)
 cognatus (Lec.)
 confusus Wenzel 44-133 Mass.-Ill.
 davisii (Schief.)
 ednæ (Carn.)
 egregius (C. y.)
 felipæ (Lewis)
 fidelis (Csy.)
 fractifrons (Lewis)
 guttifer Horn
 immuns (Hr.)
 interruptus (Beauv.)
 lecontei Wenzel 44-134 Que.-N.C.-Wis.
cognatus of authors ¹⁶
 marginicollis (Lec.)
 merdarius (Hoffm.)
 mormon (Csy.)
 oblitus (Csy.)
 planifrons (Lewis)
 pluto (Csy.)
 rectus (Csy.)
 remotus (Lec.)
 sinuosus (Lewis)
 stercorarius (Hoffm.) 03-57 Mass. Ill.
 [Ore. Eur.]
semisculptus (Lec.) 63-60 ¹⁶
 stygius (Lec.)
 umblicatus (Csy.)
 umbratilis (Csy.)
 umbrosus (Csy.)

Atholus Thoms. ¹⁶
 bolteri Wenzel 44-137 Fla.

Heteriinae ¹⁶

HETAERIOMORPHINI ¹⁶

Yarnister ¹⁶
 * * *

LAMPYRIDÆ

Brachylampis VanD. 39-15
 sanguicollis VanD. 39-16 Cal.
 blaisdelli VanD. 39-17 Cal.

CANTHARIDÆ

Chauliognathus
 texanus K. Fender 43-63 Tex.

Podabrus ²⁰

pruinus Lec. Ore. ¹⁸
v. diversipes Fall Ore. ¹⁸
 falli Hopp. Wash. Ore. ¹⁸
 fulvus Fall Ore. ¹⁸
 lancei K. Fend. 45-78 Wash. Ore. Ida.
 extricatus Fall Ore. ¹⁸
 macer Lec. Ore. Wash. ¹⁸
 piniphilus Esch. Ore. Wash. ¹⁸
 extremus Lec. N.H. Alb. Wash. Alas. ¹⁸
 bolteri Lec. Cal. ¹⁹ Ore. ¹⁸
 pattoni Lec. 66-394 Can. Pa. ¹⁹
 deceptus Brown 40-161 Man.
 perplexus Brown 40-161 Man.
 secretus Brown 40-161 Que.
 fissilis Fall Wash. ¹⁸
 instabilis Fall (not Lec.) Ore. Wash. B.C. ¹⁸
 cavicollis Lec. Wash. Ore. ¹⁸
 frosti K. Fend. 46-12 Mass.
 planulus Green 47-65 N.H.-Pa.-Mich.
 intrusus Green 47-67 Vt. Pa. Mass. Mich.
 brimleyi Green 47-70 N.C.
 dreisbachi Green 47-73 Mich.
 dietrichi Green 47-74 N.Y.
 antennatus Green 40-172 Mass.-Va.-Minn.
 sylvaticus Green 40-173 Ont.-Ga.
 parvicollis Green 40-175 Pa. N.J. N.C.
 proximus Green 40-176 N.Y. N.J.
 umbrinus Green 40-181 Me.-Fla.
 cartwrighti Green 40-182 N.C. Mich.
 hirticulus Green 40-183 Pa. N.C. Ind.
 mimeticus Green 40-184 W. Va. Ala. N.C.
 angulatus Say 23-180 ²¹ [Ga.
 flavipes Lec. 51-341
dichrous Lec. 51-341 ²²
 picticornis Green 40-191 Colo. N.M. Ariz.
 tenuis Green 40-192 Me.-N.C.
 campestris Green 40-194 Kan.-Minn.
 vestigialis Green 40-195 N.J.
 septentrionis Green 40-197 Man. Minn.
 coloradensis Green 40-198 Colo. Utah
 [Mont.
 oriflavus Lec. 74-273 ²¹ Me.-Ala.-Kan.
 imbecillis Lec. 51-342
imbecilis Leng 20-143 ²²
albolineatus Blatch. 17-143 ²²
imbecillus Blkwr. 39-31 ²²
 nigriceps Lec. 50-230 ²¹
pusillus Lec. 81-52 (not 1851) ²²
mollis Fall 36-182 ²²
s. mimus Fall 36-182 ²²
 greeni Fall 36-183
greeni Blkwr. 39-32 ²²
 trianguliferus Green 40-207 N.J.-Fla.-
 [Ark.
 nigrohumeralis Green 40-207 Va.-Ala.
 heterodoxus Green 40-200 N.C.

Silis

freemani Brown 40-163

Malthodes

hirsutotibialis K.Fend. 45-38
 oregonus K.Fend. 43-66
 frosti K.Fend. 43-67
 humidus K.Fend. 43-68
 frisoni K.Fend. 46-142
 rotgeri K.Fend. 46-143
 macnabi K.Fend. 46-144

N.C.
 Ore.
 Ore.
 Ill. Ark.
 Colo.
 Wash.

MELYRIDÆ**Malachius**²⁵

rotgeri Marshall 46-191
 yuccæ Hopp. 39-61
 blaisdelli Hopp. 39-62

Colo.
 Cal.
 Cal.

Trichochroides Blais. 38-25²⁶

* scabricollis Blais. 40-290
 muiri Blais. 27-165
 falsus Blais. 40-292
 nunenmacheri Blais. 40-294
 vanduzeei (Blais.) 24-322²⁷
 sexualis (Csy.) 95-524²⁷
 palpalis (Blais.) 23-321
 crassicornis Blais. 40-300
 parvicollis Blais. 40-301
 virilis Blais. 40-303

Cal.
 Cal.
 Cal.
 Cal.
 Cal.
 Cal.
 Cal.
 Cal.
 Cal.

Tanaops²⁸

greeni M.Y.Marsh. 44-164
 neglectus M.Y.Marsh. 46-185
 abdominalis Lec. 59-74
 v. alutaceus M.Y.Marsh. 46-186
 sierræ M.Y.Marsh. 46-187
 nunenmacheri M.Y.Marsh. 46-189
 oregonensis M.Y.Marsh. 46-190

Colo N.M.
 Cal.
 Cal.
 Cal.
 Cal.
 Nev.
 Ore.

Microlipusuniformis (Mots) 59-405²⁹B.C.³⁰**Anthocomus**

erichsoni Lec. 52-165³¹
 criddlei (Brown) 28-146³⁰
 otiosus Er. 40-99 [sic]³⁰

Attalus

nigrellus Lec. 52-167
 falli (Hopp.) 25-206³⁰
 minutus M.Y.Marsh. 46-193

Ariz.

Eudasytes

brunnipilosa Blais. 40-319

Cal.

Eutrichopleurus

concinus Blais. 40-321

Utah

Trichochrous

nevadensis Blais. 42-129
 panamintensis Blais. 40-323

Nev.
 Cal.

Listrus

hoppingi Blais. 40-212

Cal.

²⁵ According to Marshall (46-193) all American species in this genus should be transferred to *Microlipus*, with exception of *æneus*.

²⁶ Revision of genus, Blaisdell-40.

²⁷ Transferred from *Trichochrous* by Blaisdell-40.

²⁸ Key to species, M. Y. Marshall-46.

²⁹ Valid species, M. Y. Marshall-46.

³⁰ Brown-44.

Enallonyx Wolc. 44-47

Tex.
 (*Allonyx* Lec. 62-193)³²
 (not DuVal, 1860)

CLERIDÆ**Tillinæ****Monophylla**

(*Macrotelus* Klug 42-274)³³
 (*Elasmocerus* Lec. 49-13)³³

Callotillus**Tillus**

(*Cylinder* Voet 06-78)³³
 patagoniæ Knull 46-72

Ariz.

Perilypus**Lecontella****Cymatodera**

pseudotsugæ Barr 47-17
 xavieræ Knull 40-555

Cal. Ore.
 Ariz.

Bostrichoelorus**Phyllobæniæ**^{33 41}**Phyllobænus** Dej. 37-127^{33 43 44}

(*Hydnocera* Newm. 38-379)^{33 42}
 (*Theano* Chev. 43-33, not Cast.)³³
 humeralis (Say) 23-192
 humeralis Germ. 24-80⁴²
 v. cyanescens (Lec.) 49-28³⁴
 difficilis (Lec.) 49-27³⁴
 verticalis Say 35-164
 brachyptera (Klug) 42-313³⁴
 lineatocollis (Spin.) 44-51³⁴
 tenella (Say) 35-164³⁴

Isohydnoecera^{23 42}**Wolcottia**^{33 42}**Thaneroclerinae**^{33 44}**Thaneroclerus** Lef. 38-13⁴⁴

* (*Taneroclerus* Chev. 80-10)³³
 (*Thaneclerus* Chenu 60-247)⁴⁴
 (*Thanateroclerus* G. & H. 69-1739)⁴⁴
 (*Metademius* Matsum. 35-234)³³
 buquet Lef. 35-577^{34 44} N.Y. Fla. Cal.
 buqueti Westw. 38-13^{34 44} [Cosmop.
 girodi Chev. 80-31^{34 44}
 tabacci Matsum. 35-234^{34 44}
 v. dermestoides Klug 42-310^{34 44} N.Y.

³¹ Belongs in *Microlipus*, M. Y. Marshall-46.

³² Wolcott-44.

³³ Rearrangement and synonymy, Wolcott-47.

³⁴ Wolcott-47.

³⁵ Revision of genus, Wolcott-47.

⁴⁰ Doubtfully retained; not seen since the original publication; Wolcott-47.

⁴¹ Key to genera, Wolcott-44.

⁴² Wolcott-44.

⁴³ Should be Dejean 33-113.

⁴⁴ Revision, Corporaal-39.

- Zenodosus** Wole. 10 321^{33 44}
 * (*Xenodosus* Champ. 20-636)^{33 44}
 (*Zenodosus* Leng 20-470)³³
 sanguineus Say 35-162 U.S. Can.
- Ababa** Csy. 97 653^{33 44}
 * (*Prionodera* Wole. 10-396)^{33 44}
 (*Prionostichus* Wole. 11-125)^{33 44}
 (*Holcoteilla* Lucas 20-669)^{33 44}
 tantilla Lec. 65-96 Ala.-Tex.-Bra.
 crinita Csy. 97-653⁴⁴
- Clerinæ**³³
- Priocera**
 catalinae Cazier 39-162 Ariz.
 chiricahuæ Knull 39-27 Ariz.
- Colyphus** Spin. 41-72
 (*Cleronomus* Klug 42-282)³³
 (*Derestenus* Chev. 43-13)³³
 furcatus Schffr. 04-218 Tex.
 ornatocollis Lec. 80-194 Ohio
 melanopterus Dury 06-251³⁴
- Placopterus** Wole. 10-363
 (*Pæcilochroa* Chev. 76-5)³³
 (not Westring, 1874)
 (*Plæopterus* Leng 20-149)³³
 (*Phlæopterus* Britton 31-236)³³
 cyanipennis Klug 42-307 [Mex.]
 v. dasytoides Westw. 49-50 Mex. Tex.
 haagi Chev. 76-12³⁶ Mex. Tex.
 subcostatus Schffr. 17-131³⁶ Fla. Tex.
 thoracicus Oliv. 95-18³⁶ Can.-Fla.-Ind.
 monilis Melsh. 46-307³⁴ [Cal.]
 v. pallipes Wole. 12-55³⁶
- Thanasimus** Latr. 06-270
 * (*Cleroides* Schffr. 77-137)³³
 (*Pseudoclerus* DuVal 60-196)³³
 dubius Fab. 77-229 Me.-N.M.-Alas.
 ruficeps Spin. 44-189³⁴
 repandus Horn 71-342 Cal.
 trifasciatus Say 25-175 Can.-Pa.-Wis.
 undatulus Say 35-163 Me.-Mont.-N.M.
 undulatus Leng 20-149³⁴
 v. abdominalis Kby. 37-244³⁴
 v. nubilus Klug 42-386³⁴
 v. melanocephalus Chev. 74-290³⁴ N.S.
 [N.H.]
 v. monticola Wole. 10-357³⁴ B.C.-Cal.
 v. rubriventris Lec. 61-351³⁴ Cal.
- Enoclerus** Gahan 10-62^{37 46}
 (*Clerus* of authors, not Fab.)^{33 46}
 abdominalis Chev. 34-52 [Mex.]
 zonatus Klug 42-297³⁴
 v. spinolæ Lec. 53-230³⁴ Kan.-Mex.-
 [Cal.]
 bombycinus Chev. 33-42 Cal. Mex.
 v. vicicollis Spin. 44-254³⁴
 sericans Westw. 49-58³⁴
 brevicollis Spin. 44-266 N.A.
- erro Wole. 22-68 Ariz.
 inyoensis VanD. 38-191 Cal.
 lecontei Wole. 10-359
 nigricentris Lec. 61-351³⁴
 (not Blanchard, 1843)
 liljebladi Wole. 22-73 N.Y.-Wis
 mexicanus Cast. 36-44 Tex.-Pan.
 assimilis Spin. 44-249³⁴
 v. assimilis Chev. 43-17³⁴
 v. semiochraceus Chev. 74-292³⁴
 v. silbermanni Chev. 43-21³⁴
 nigrifrons Say 23-190 Can.-Ala.-Neb.
 v. testaceipes Wole. 22-72 Ind.
 venator Chev. 43-18 Tex. Mex.
 lesucuri Spin. 44-249³⁴
 vetus Wole. 27-107 Tex.
 crabronarius of authors
 (not Spinola, 1844)
 schaefferi Barr 47-24
 humeralis Schffr. 05-155^{36a}
 eximius Mannh.
 s. trullionis Barr 47-21 Utah Nev. Ida.
 Ore.
- Trichodes** Hbst. 92-154^{33 37a 45}
 (*Clerus* Curt. 24-44)³³
 basalis VanD. 43-41 Cal.
 ornatus Say 23-189 Tex.-Alas. Mex.
 tenellus Lec. 58-72³⁴
 douglasianus White 49-60^{34 42}
 hirtweegianus White 49-60^{34 42}
 v. obsoletus Wole. 44-59³⁴ Ariz.
 simulator Horn 80-149 Colo.⁴² Utah N.M.
 flavescens Kchl. 98-115⁴²
- Aulicus**
- Serriger**
- Xenoclerus**
- Epiphleinæ**³³
- Phlogistosternus** Wole. 44-124^{33 37b}
 (*Phyllobænus* Spin. 44-1)^{33 42}
 (not Dejean, 1837)
 (*Theano* Chev. 43-33)⁴²
 californicus VanD. 23-47 Cal.
 dislocatus Say 25-176 Can.-Ga.-Tex.
 dislotatus Wole. 44-124
 distrophus Klug 43-374³⁴
 transversalis Spin. 44-4³⁴
 merkei Horn 96-374 Ariz. N.M.
- Neichnea** Wole. & Chpn. 18-108
 (*Ichnea* Cast. 36-55, part)³⁴
 (*Ellipotoma* Wole. 10-858)³⁴
 (not Spinola, 1844)
- Ichnea** Cast. 36-55
 * elongata Knull 39-27 Ariz.

³³ Rearrangement and synonymy, Wolcott—47.
³⁴ Wolcott—47.

³⁶ Transferred from *Cleronomus*, Wolcott—47.

^{36a} Barr—47.

³⁷ Reinstated by Wolcott—47.

^{37a} Listed as synonym of *Clerus* Fab. by Wolcott—44.

^{37b} Originally placed in *Phyllobæninæ*.

³⁸ Valid species, Wolcott—47.

⁴² Wolcott—44.

⁴⁴ Revision, Corporaal—39.

⁴⁶ Blackwelder—45.

Enopliinæ³³

Orthopleura Spin. 44-80
(*Dermestoides* Schffr. 71-220)³³
texana Bland 63-356³⁸ Tex.

Pelonides Kuw. 94-8
(*Pyticara* Spin. 41-75)³³
humeralis Horn 68-135 Tex. N.M. Mex.
v. perroudi Pic 33-12³⁴ Tex.
similis Knoll 38-97 Tex.

Chariessa Perty 30-109
(*Brachymorphus* Chev. 35-150)³³
(*Pelonium* Spin. 44-347, part)³³
(*Philyra* Cast. 36-53)³³
(*Tarandocerus* Chev. 76-7)³³

Corinthiseus F. & G. 61-4
(*Pelonium* Spin. 44-347, part)³³

Cregya Lec. 61-197
* (*Galeruclerus* Gahan 10-75)³³
mixta Lec. 66-98 Md.-Tex.
oculata Say 35-163 Mass.-Tex.
marginipennis Spin. 44-363³⁴
quadrisignata Spin. 44-365 Tex. C.A.
v. bilineicollis Chev. 74-327³⁴ Tex.
quadrinotata Chev. 74-328³⁴
uncinata Chev. 74-328³⁴

Korynetinæ³³

[**Erolestus** Wolc. 27-108 not N.A.³⁴]

[**Korynetes** Hbst. 92-148 not N.A.³⁴]

Tarsostenus Spin. 44-287
* univittatus Rossi 92-44 Cosmop.
albofasciatus Melsh. 46-306³⁴
biguttatus Montr. 60-260³⁴
fasciatellus Spin. 44-172³⁴
fasciatus Curt. 32-270³⁴
mærens Westw. 49-57³⁴
picipennis Westw. 49-48³⁴
succinctus Chev. 42-277³⁴

Lebasiella

Lœdedia Lucas 20-380
(*Necrobioides* Gahan 10-76)³³
* discoidea (Lec.) 81-77³⁹ N.M. Ariz.
janthina Lec. 66-99³⁹ L.Cal.
maculicollis Lec. 74-63³⁹ Cal.
filiolus Chev. 74-326³⁹
lineatocolle Chev. 74-326³⁹
v. nigricollis Wolc. 27-110³⁹ Cal.

Necrobia Oliv. 95-5
* (*Agonolia* M. & R. 63-122)³³
?mesosternalis Schffr. 08-135 Ariz. Mex.
ruficollis Fab. 75-57 Cosmop.
v. knoechei Kolbe 12-9³⁴
rufipes Deg. 75-165 Cosmop.
amethystina Steph. 32-417³⁴
dermestoides P. & M. 83-68³⁴
foveicollis Schkg. 00-20³⁴
glabra Champoll. 14-41³⁴

mumiarum Hope 34-54³⁴
pilifera Rtt. 94-85³⁴
v. æneipennis Csiki 00-124³⁴
violacea L. 58-356 Cosmop.
angustata Fald. 35-210³⁴
chalybea Sturm 37-43³⁴
errans Melsh. 46-307³⁴
quadra Marsh. 02-323³⁴

Opetiopalpus Spin. 44-110
* (*Opetiopselaphus* G. & H. 69-1759)³³
luridus Spin. 44-113⁴⁰ ?N.A.

CEDEMERIDÆ

Rhinoplatia Horn 68-137⁴⁷
* mortivallicola Arnett 48-243 Cal.
ruficollis Horn 68-138 Nev. Cal.

Asclera⁴⁸
auripilis VanD. 46-81 Cal.

MORDELLIDÆ⁵⁶

Tomoxia Costa 54-8⁴⁹
* inclusa Lec. 62-45 Me.-Md.-Mich.-Ont.
borealis (Lec.) 62-46⁵⁰ N.B.-Pa.-Colo.
lineella Lec. 62-45 N.B.-Md.-C.St.
fascifera (Lec.) 78-427⁵⁰ D.C. Fla. Tex.
undulata (Melsh.) 46-316⁵⁰ Me.-Md.-Ill.
serval (Say) 35-191⁵⁰ c.St.
triloba (Say) 24-139⁵⁰ Vt.-Ala.-Kan.
carinata (Smith) 83-3⁵⁰ Fla.-Tex.
discoidea (Melsh.) 46-315⁵⁰ N.Y.-Tenn.-
[Iowa

v. flaviventris (Smith) 83-3⁵⁰ Fla. Tex.
* * *

latipalpis Ray 46-90 Fla.

Glipa Lec. 59-17⁴⁹
* hilaris (Say) 35-190 Pa.-Tex.
hieroglyphica Sz. 78-372⁵¹
oculata (Say) 35-190⁵⁰ Pa.-Ga.-Mich-
jovalis (Lec.) 78-428⁵¹ [Tex.
octopunctata (Fab.) 75-263⁵⁰ N.Y.-Tex.
bidentata (Say) 23-277⁵² Me.-N.C.-Kan.
inflammata (Lec.) 62-46⁵⁰ Fla.
perlineata (Fall) 07-254⁵⁰ N.M. Ariz.
* * *

hieroglyphica Sz. 78-372⁵³ Fla.

Mordella⁴⁹
(*Sphalera* Lec. 59-17)⁵¹
signata Champ. 91-276 N.M.⁵¹ C.A.
schwarzi Lilj. 45-34 Fla.
capillosa Lilj. 45-35 Colo.
pubescens Lilj. (not Fab.)⁵¹
cinereoatra Lilj. 45-41 Fla.
marginata Melsh. 46-312 Pa.
v. lineata Melsh. 46-313⁵¹ Pa.
invisitata Lilj. 45-48 Fla.
novemnotata Ray 44-118 Ariz. Mex.
latemaculata Ray 44-122 Tex. Mex.
pretiosa Champ. 91-302 Tex.⁵⁴ Mex.
brevistylis Lilj. Tex.⁵⁴

³⁹ Transferred from Korynetes, Wolcott—47.

⁴⁵ Key to species, Wolcott—44.

⁴⁷ Revision, Arnett—48.

⁴⁸ Key to Pacific Coast species, Van Dyke—46.

⁴⁹ Key to species, Liljebblad—45.

⁵⁰ Transferred from Mordella by Liljebblad—45.

⁵¹ Liljebblad—45.

⁵² Transferred from Tomoxia by Liljebblad—45.

⁵³ Valid species, Ray—39.

⁵⁴ Ray—46.

- quadripunctata Say Colo.⁵⁴
 fuscocinerea Fall Utah⁵⁴ Ariz.
 longipalpis Ray 46-121 Ill.
- Isotritophus** Lilj. 45-18
 erratica (Smith) 83-80⁵⁵ Ark.⁵⁴ Fla. Tex.
ebeuina (Champ.) 91-306⁵¹
- Glipodes**
 sericans Melsh. Ark.⁵⁴
- Conalia** M. & R. 58-313
 helva (Lec.) 62-48^{57 58} Mass.-Fla.-Kans.
 melanops Ray 46-91 Que.
- Mordellistena**⁴⁹
 fuscipennis (Melsh.) 46-314 N.S.-Va.-
pityptera Lec. 62-51⁵¹ [Mich.
 badia Lilj. 45-164 Kan.
 lodingi Lilj. 45-173 Ala.
 husseyi Lilj. 45-176⁵⁹ Tenn.⁵⁴ Ill.⁵⁴ Mich.
 texana Smith 82-98 Tex.
insolita Lilj. 17-11⁵¹
 caliginosa Lilj. 45-158 Utah
 tantula Lilj. 45-159 Cal.
 palmi Lilj. 45-159 Ariz.
 blandula Lilj. 45-160 Cal.
 parva Lilj. 45-133 Mich.
 blatchleyi Lilj. 45-133⁵⁹ Ga.⁵⁴ Ohio⁵⁴
 [Ill.⁵⁴ Fla.
 subfuscus Lilj. 45-134 Ariz.
 wickhami Lilj. 45-135⁵⁹ Ill.⁵⁴ Utah
 crinita Lilj. 45-136 Tex.
 discolor (Melsh.) 45-313
cinereo-fasciata Smith 82-98⁵¹
wolcottii Lilj. 17-12⁵¹
 rubrifascia Lilj. 45-113 Ind. Ill. Ohio
 rufilabris Lilj. 45-113 Cal.
 pullata Lilj. 45-115 Cal.
 nigella Lilj. 45-116 Cal.
 minutalis Lilj. 45-121 Cal.
 andreae Lec. 62-50 c.St. Ga.
grammica Lec. 62-50⁵¹
 v.ancilla Lec. 62-50⁵¹ Mass.-Fla.-Ill.
varians Lec. 62-50⁵¹
 v.ustulata Lec. 62-50⁵¹ c.St. s.St.
 cervicalis Lec. 62-49 Me.-N.C.
pivicornis Lec. 62-49⁵¹
auricoma Helm. 65-96⁵¹
exilis Lilj. 17-10⁵¹
comata of Smith (not Lec.)⁵¹
 scapularis (Say) 24-277 N.S.-Md.-Mich.
biplagiata Helm. 64-105⁵¹
 pauxilla Lilj. 45-93 Ill.
 paradesa Lilj. 45-94 Fla.
 nebulosa Lilj. 45-101 Ohio
 argenteola Lilj. 45-104 Utah Ariz.
 egregia Lilj. 45-107 Cal.
 trifasciata (Say) 26-243 Me.-Ala.-Mich.
nigricollis Helm. 64-105⁵¹
lepidula Lec. 62-48⁵¹
amica Lec. 62-49⁵¹
 sexnotata Dury 02-176 Ky. N.M.
festiva || Fall 07-255⁵¹
falli Csiki 15-34⁵¹
- viridescens Lilj. 45-78 Fla.
 wenzeli Lilj. 45-79 Ga.
 arida Lec. 62-48 Mass.-Va.-Mich. Ariz.
rutula Lilj. 17-10⁵¹
 knausi Lilj. 45-82 Utah
 frosti Lilj. 18-156 Me. Que.⁵⁴
 picipennis Smith 82-91 N.Y. Ga. O.
 [Tenn.⁵⁴
 dietrichi Ray 46-94 Miss.
 lateralis Ray 46-95 Ill.
 heterocolor Ray 46-96 Fla.
 splendeus Smith 82-95 N.C.⁵⁴ Fla. Ill.
splendens of authors
 rufa Lilj. 17-11 Ill. Ala.⁵⁴
 mixta Ray 46-97 Ill.
 incommunis Lilj. 21-185 Man. Mich.
 [Tenn. Ill.
 masoni Lilj. 18-157 N.J. Conn.⁵⁴ N.C.⁵⁴
 fuscipennis Melsh. 46-314 Ill.⁵⁴
 vera Lilj. 17-11 Mo. S.C.⁵⁴
 gigas Lilj. 17-13 Ill. N.Y.⁵⁴ Que.⁵⁴
 fusco-atra Helm. 64-105 Ill. N.Y.⁵⁴
 smithi Dury 02-177 Md.-Ill.-Ark.⁵⁴
 sericans Fall Cal.⁵⁴
 incommunis Lilj. Wyo.⁵⁴
 terminata Ray 46-48 Okla.
 arcuata Ray 46-49 Tex.
 neocincta Ray 46-42 Tex. Ariz.
 sparsa Champ. 91-335 Mex. Cal.⁵⁴
 huachucaensis Ray 46-42 Ariz.
 diversa Ray 46-46 Wash. Ore.
 humerosa Ray 46-47 Ariz.
 smithi Dury 02-177 Md.-Ill.-Ark.⁵⁴
 uniformis Ray 46-122 Ill.
 idahoensis Ray 46-124 Ida.
 neofascia Ray 46-126 Ariz.
 infima Lec. 62-49
tiara Ray 36-127⁵⁴
 yumæ Ray 46-127 Ariz. Cal.
 leonardi Ray 46-128 Fla. Miss.
 fenderi Ray 47-121 Ore.
 suturalis Ray 47-124 Tenn.
 bihirsuta Ray 47-125 Kan. Ore. Wash.
 arizonensis Ray 47-126 Ariz.
 pilosella Ray 47-127 Ariz.
 Y-notata Ray 47-129 Mich.
 malkini Ray 47-130 Fla.
- ANASPINI⁶⁰
- Diclidia**⁶¹
 sexmaculata Lilj. 45-189 Ariz.
 obscura Lilj. 45-191 Ariz.
 spinea Lilj. 45-193 Ariz.
 sordida Lilj. 45-195 Ariz.
- Pentaria** Muls. 56-391⁶¹
 (*Anthobates* Lec. 50-231)⁵⁴
 (not Gistel, 1847)
 (*Anthobatula* Strand 29-23)⁵⁴
 bicincta Champ. 90-254 Tex.⁵⁴ Ariz.⁵⁴
 [Mex.
 brunneipennis Champ. 90-253 Tex.⁵⁴ Mex.
 bicolor Lilj. 18-155 Colo.⁵⁴ Tex.

⁴⁹ Key to species, Liljebblad—45.⁵¹ Liljebblad—45.⁵⁴ Ray—46.⁵⁵ Transferred from Mordellistena by Liljebblad—45.⁵⁶ Key to subfamilies, Liljebblad—45, (with key to genera of Mordellini).⁵⁷ Transferred from Glipodes by Liljebblad—45.⁵⁸ Transferred from Glipodes by Ray—46.⁵⁹ Ray—46, dates these species 1946, but the paper was received at the U.S.N.M. in 1945.⁶⁰ Key to genera, Liljebblad—45.⁶¹ Key to species, Liljebblad—45.

- fuscula Lec. 62-44 Colo.⁵⁴ N.M. Tex.
 decolor Champ. 91-256 Tex.⁵⁴ Mex.
- Anaspis**⁶¹
 seposita Lilj. 45-211 B.C.
 beardsleyi Lilj. 45-214 Cal.
 duryi Lilj. 45-216 Cal.
- Naucles** Champ. 91-257⁶¹
 pusio (Lec.) 58-76⁶² Utah, Tex.-Cal.
 tibialis Champ. 91-257 Cal.⁵¹ Guat.
 basalis Champ. 91-257 Tex.⁵¹ Guat.
- Silaria** Muls. 56-426
 revelstokei Lilj. 45-219 B.C.
- Larisia** Emery 76-13
 nigricolor Lilj. 45-221 Alb.
- Nassipa** Emery 76-13
 hoppingi Lilj. 45-222 B.C.
- Sphingocephalus** Lilj. 45-206
 ovalis Lilj. 45-206 Fla.
- RHIPIPHORIDÆ**
- Rhipiphorus** Fourc. 91-327
 (*Rhipiphorus* Bosc 92-293)⁶³
 dammersi Barb. 39-19 Cal.
- Ripidius** Thunb. 06-5
 (*Rhipidius* of authors)⁶³
- STYLOPIDÆ**⁶⁴
- (*Strepsiptera*, *Xenidæ*)
- Diozocera**⁶⁵
 comstocki Pierce 41-6 W.Anacapa I.
 [(Cal.)]
- MELOIDÆ**
- Epicauta** Dej. 33-224
 * (*Causima* Dej. 37-248)⁶⁶
 (*Henous* Hald. 52-377)⁶⁶
 (*Isopentra* Muls. 58-106)⁶⁶
 (*Macrobasis* Lec. 58-39)⁶⁶
 (*Apterospasta* Lec. 58-39)⁶⁶
 (*Nomaspis* Lec. 66-156)⁶⁶
 (*Gnathospasta* Horn 75-154)⁶⁶
- abadona Skinn. 04-217 Ariz. Mex.
mutchleri Mayd. 34-331⁶⁶
abandona Mayd. 34-331⁶⁶
- alastor Skinn. 04-217 Colo. Tex. Cal.
 insignis Horn 85-110 Tex.-Ariz.
 nigritarsis (Lec.) 53-340 Tex. N.M.
 crassitarsis Mayd. 35-72 Ariz.
 pedalis Lec. 66-157 Ariz. L.Cal.
 maculata (Say) 23-298 Mo.-N.D.-Tex.-
conspersa Lec. 53-340⁶⁶ [Ariz.]
 nogales Werner 44-65 Ariz.
 normalis Werner 44-65 Mont.-Ariz.-Cal.
 phoenix Werner 44-66 Ariz.
 pardalis Lec. 66-157 Tex.-Ariz. Mex.
 andersoni Werner 44-66 Kan.-Tex.-Ariz.
- ventralis Werner 45-444 Colo.
 magnomaculata Martin 32-169 Cal.
 corvina (Lec.) 58-21 Kan.-Ariz.
nigerrima Dugès 69-162⁶⁶
- funebris Horn 73-102 Kan.-Tex.-N.M.
 pensylvanica (Deg.) 75-15 Me.-Fla.-
nigra Woodh. 00-213⁶⁶ [Tex.-
pennsylvanica Lec. 53-329⁶⁶ [Mont.
morio Lec. 53-447⁶⁶
- conferta (Say) 24-281 Iowa-Tex.
techanus (Hald.) 52-377⁶⁶
 parva (Hald.) 52-377 Colo. Kan. Neb.
parvula Hald. 53-40⁶⁶ [Wyo.
 fallax Horn 85-111 Nev. Cal.
 albolineata (Dugès) 77-64 Ariz. Mex.
duplicata Csy. 91-172⁶⁶
- uniforma Werner 44-67 Colo. Tex. Ariz.
 alpina Werner 44-67 Tex. N.M.
 mimetica (Horn) 75-154 Tex. Ariz.
 brunnea Werner 44-67 Colo. Tex. Ariz.
 ingrata Fall 07-258 Colo. N.M. Ariz.
 cinerea (Forst.) 71-62 N.H.-S.C.-Ia.
clematides (Woodh.) 00-213⁶⁶
- fissilabris (Lec.) 50-339 Man. L.Sup.
 H.B.T.
- solani Werner 45-457 Atl.St.-Rocky Mts.
 floridensis Werner 44-68 N.J. Fla. Miss.
 ruidosana Fall 07-258 Tex. Ariz.
 punctipennis Werner 44-68 Tex.
 balli Werner 44-460 Ariz.
 oregona Horn 75-153 Mont.-Colo.-Ariz.-
 [B.C.]
- ensiformis Werner 44-68 Cal.
 stuarti Lec. 68-54 Kan. Colo. N.M.
 lemniscata (Fab.) 01-279 N.J.-Fla.-
 [Tex.-Neb.]
- vittata (Fab.) 75-260 Me.-N.J.-Iowa
chapmani (Woodh.) 00-214⁶⁶
- occidentalis Werner 44-69 Neb.-La.-Tex.
 ferruginea (Say) 23-298 Iowa-Tex.-
 [Ariz.-Ida.]
- fortis Werner 44-69 Ariz. N.M.
 strigosa (Gyll.) 17-18 Mass.-N.C.-Fla.-
nigricornis (Melsh.) 47-53⁶⁶ [Miss.
- batesii Horn 75-153 N.J.-Fla.
 callosa Lec. 66-158 Neb.-Tex.
 sericans Lec. 66-158 Ala.-Ariz.-Alb.
 atrata (Fab.) 75-260 Md.-N.C.-Tex.-
trichrus (Pallas) 89-100⁶⁶ [Neb.
coracina (Ill.) 04-171⁶⁶
convolvuli Melsh. 48-53⁶⁶
trichura Wellm. 10-24⁶⁶
- pruinosa Lec. 66-158 Man.-Colo.-Wash.
 immerita Walker 66-330 Ore.-B.C.
 piceiventris Mayd. 34-327 Colo.-Ida.
elongatocalcarata Mayd. 34-328⁶⁶
- sanguinicollis Horn 74-37 Fla.
 puncticollis (Mannh.) 43-288 Cal.-Wash.-
 [Mont.]
- oblita (Lec.) 51-162 Cal.
 barberi Werner 44-69 Cal.
 kansana Werner 44-70 Kan.
 calcarata Werner 44-70 Tex. N.M.
 heterodera Horn 91-43 Ga.-Fla.-Miss.
watsoni Blatch. 18-58⁶⁶
- californica Werner 45-479 Cal.
maura || (Lec.) 51-162⁶⁶

⁶² Transferred from *Anaspis* by Liljebblad—45.⁶³ Barber—39.⁶⁴ Not a separate order, Blackwelder—45.⁶⁵ Transferred to Halictophagidæ by Pierce—41.⁶⁶ Werner—45; revision of genus.

- alphonii Horn 74-38 Cal.
 caviceps Horn 73-99 Utah, Ariz.
 impressifrons VanD. 29-12 Cal.
 rileyi Horn 74-37 Ariz. Mex.
 straba Horn 91-42 Cal. ?Wash.
 foxi VanD. 29-127⁶⁶
 excavatifrons Mayd. 34-330 Fla.-Ala.
 [Miss.
 rejni Mayd. 34-329 Ariz.
 wheeleri Horn 73-101 Ariz.
 diversipubescens Mayd. 34-333 Tex. N.M.
 aspera Werner 44-70 Colo.-Tex.-Ariz.
 immaculata (Say) 23-304 Ind.-Tex.-N.M.
 articularis (Say) 23-304⁶⁶
 fulvescens (Lec.) 53-447⁶⁶
 segmenta (Say) 23-303 Neb.-Tex.-Ariz.
 segmentata (Lec.) 53-342⁶⁶
 valida (Lec.) 58-39⁶⁶
 sublineata (Lec.) 53-447 Tex. Mex.
 megacephala Champ. 92-402⁶⁶
 lauta (Horn) 85-108 Tex.-Cal.
 tenella (Lec.) 58-23 Tex.-Ariz.
 merkeliana Horn 91-43 Ariz. Mex.
 ochrea (Lec.) 53-342 Tex.-Cal. Mex.
 protarsalis Dugès 78-63⁶⁶
 gissleri Horn 78-58 N.M. Ariz.
 parkeri Werner 44-71 Ariz.
 fabricii (Lec.) 53-343 Me.-Ga.-N.M.-
 cinerea || (Fab.) 98-119⁶⁶ [Man.
 debilis (Lec.) 53-344⁶⁶
 unicolor of Horn 73-92⁶⁶
 murina (Lec.) 53-344 N.B.-Mont.-Colo.
 unicolor || (Kby.) 37-241⁶⁶
 subglabra (Fall) 22-173 Man.-Ida. ?Ariz.
 flavocinerea (Blatch.) 10-1359 Ont.-Tex.
 languida (Horn) 95-252 L.Cal.
 tenuilineata (Horn) 94-436 Ariz. Mex.
 excors (Fall) 09-166 L.Cal.
 tenuis (Lec.) 53-343 Ga. Fla.
 purpurea (Horn) 85-108 Ariz.
 polingi Werner 44-71 Tex.-Ariz.
 liebecki Werner 44-72 Ariz. Mex.
 arizonica Werner 44-72 Ariz. Mex.
 torsa (Lec.) 53-343 Mass.-Fla.-Tex.
 longicollis (Lec.) 53-343 Tex.-Cal.
 atrivittata (Lec.) 54-224 Tex. N.M. Mex.
 albida (Say) 23-305 Okla.-N.M.-Colo.
 luteicornis Lec. 54-84⁶⁶
 texana Werner 44-73 Tex.
 virgulata (Lec.) 66-156 Tex.-L.Cal. Mex.
 hirsutipubescens Mayd. 34-334⁶⁶
 linearis (Lec.) 58-23 Tex. N.M.
 maculifera (Mayd.) 34-335 Ariz.
 (Levetite Csy. 91-171 Not N.Amer.⁶⁶)
 * * *
 trichrus
 convolvuli (Melsh.) 46-53 (not 48-53)⁶⁷
 strigosa
 nigricornis (Melsh.) 46-53 (not
 [48-53])⁶⁷
- Macrobasis**
 fabricii Lec. 53-343⁶⁹
- ⁶⁶ Werner—45; revision of genus.
⁶⁷ Parker in litt.
⁶⁸ W. J. Brown—40.
⁶⁹ See also under *Epicauta*, above.
⁷⁰ Maehler—39.
⁷¹ Key to species, Werner—43.
⁷² Key to species, Linsley—42.
- cinerea* Fab. 98-119⁶⁸
debilis Lec. 53-344⁶⁸
unicolor of authors⁶⁸
 murina Lec. 53-344⁶⁹
 unicolor Kby. 37-241 (part)⁶⁸
 subglabra Fall 22-173⁶⁹
 murina Fisher 19-1 (part)⁶⁸
- Lytta**
 agrestis Fall Ariz.⁷⁰
 cribrata Lec. Ariz.⁷⁰
 nevadensis VanD. 47-155 Nev.
 rathvoni Lec. 53-335 (not 56-335)⁶⁷
- Tetraonyx**
 frontalis Chev. 34-14 (not 33-14)⁶⁷
- Pleuropompha** Lec. 62-273⁷¹
 * *costata* Lec. 54-84 Tex. N.M. Ariz.
 tricostata Werner 43-32 Tex. N.M. Ariz.
- Hornia** Riley 77-564⁷²
 (*Leonia* Dugès 89-211)⁷³
 (*Leonidia* Ckll. 00-11)⁷³
 neomexicana (Ckll.) 99-416 Kan.-Tex.-
 gigantea Wellm. 11-16⁷³ [N.M.
 anthophoræ Mickel 28-38⁷³
 minutipennis Riley 77-564 D.C. Mo.
 [s.occidentalis Linsley 42-176 [Mont.
 boharti Linsley 42-177 Cal.
 Cal.
- PYTHIDÆ**
- Cononotus**⁷⁴
 bryanti VanD. 39-18 Ariz.
 lanchesteri VanD. 39-19 Ida. Utah
- PYROCHIROIDÆ**
- Ischalia**
 californica VanD. Cal.⁷⁵
- Dendroides**
 marginata VanD. 28-259
 pacificus Barrett 32-171⁷⁶
- ANTHICIDÆ**
- Notoxus**
 murinipennis (Lec.) 24-170⁷⁷
 bicolor Say 17-pl.4⁷⁷
 (not Olivier, 1795)
- CEBRIONIDÆ**
- Cebrio**
 abnormis Werner 43-34 Ariz.
 atokanus Werner 43-35 Okla.
 bruesi Werner 43-36 Ariz.
- ⁷³ Linsley—42.
⁷⁴ Key to species, Van Dyke—39.
⁷⁵ Linsley & Michener—43.
⁷⁶ Van Dyke—39.
⁷⁷ Corrected synonymy and citations, Barber
 —41.

ELATERIDÆ

Plastocerinae⁷⁸

Plastocerus

- campanulatus VanD. 46-82 Cal.
 gracilior VanD. 46-82 Tex.
 jeffersonianus Knull 41-381 Tex.
 coronadi Knull 41-381 N.M.

Euthysanius⁷⁸

- wagneri VanD. 43-42 Cal.

Aplastus⁷⁸

- piceus VanD. 43-43 Cal.
 acutus Knull. 46-142 Ida.

* * *

Lacon Lap. 36-11⁷⁹

- Adelocera Latr. 29-401^{79 80}
 mexicana Cand. 57-70 ?Fla. Ariz. Mex.
 nobilis Fall 32-58⁸¹

Conoderus Esch. 29-31

- (*Conoderes* Leng & M. 33-83)
 HETERODERES Latr. 34-155
 laurentii Guér. 38-31^{81 82} Fla. Ala. Cal.
 [S.A.]
amplicollis of VanD. 32-298^{81 82}
attenuatus Cand. 59-373⁸¹
fuscus Blatch. 25-163⁸²
fuscus VanD. (Fall 34-9)⁸²
planidiscus Fall 29-56⁸²
 arizonicus VanD. 39-11
bicarinatus VanD. 32-297^{81 82}
 (not Reitter, 1891)
duplicatus VanD. 43-44

Limonius

- meridianus Knull 47-177 Ohio
 pubicollis Lec. 53-429⁸³ Fla.-Tex.
 olentangyi Knull 47-179 Ohio
 infuscatus Mots. 59-371 ?Ariz.⁸¹ Cal.-
 [Wash.]
 canus Lec. 53-433⁸¹ Cal. Wash.
discoideus Lec. 61-348⁸¹
 cribriceps VanD. 43-44 Cal.
 arizonicus VanD. 43-45 Ariz.
 rufihumeralis Lane 41-133 Alb.-Ore.
 lanchesteri Lane 41-135 Ida.
 humidus Lane 41-137 Ore. Wash.

Denticollis P. & M. 83-86⁸⁴(*Lepturoides* Hbst. 84-103)⁸⁴Ctenicera Latr. 29-403⁸⁴

- (*Ludius* Esch. 29-34)⁸⁴
 sierræ (VanD.) 43-48 Cal.
 nigricans (Fall) 10-135⁸⁵ Cal.
 rotundicollis (Say) 25-259 Vt.-Ind.
 s. diversicolor (Esch.) 29-34⁸⁶ Cal.
 laricis (W. Brown) 39-46 B.C.

⁷⁸ Transferred from Cebriionidæ by Van Dyke—43.⁷⁹ Transpose these two names, Dietrich—45 and M. C. Lane in litt.⁸⁰ Placed in subfamily Elaterinæ by Van Dyke—43.⁸¹ Van Dyke—43.⁸² Van Dyke—39.⁸³ Valid species, Knull—47.

- comes (W. Brown) 39-48 B.C. Ore.
 captiosus (W. Brown) 39-49 Ida.
 angusticollis Mannh. 43-241 (not 43-271)⁸⁷
 robinsoni (Knull) 47-180 Tex.

Hypolithus Esch. 29-33⁸⁴(*Cryptohypnus* Esch. 36-105)⁸⁴
(*Hypnoideus* Steph. 30-200)⁸⁴

Dalopius

- alleghehiensis Knull 47-90 Pa. Ohio
 ohioensis Knull 47-91 Ohio

Melanotus

- longulus Lec.⁸⁵
 oregonensis Lec.⁸⁵
oregonus VanD. 43-51

MELASIDÆ

Isorhipis B. & L. 35-620⁸⁸

- obliqua (Say) 39-187
ruficornis of authors⁸⁹

Fornax

- orchesides Newm. 38-384
molestus Bonv. 70-376⁹⁰
 canadensis Brown 40-184 Ont.

Dirhagus Latr. 34-130

- (*Hyporhagus* Rtrr. 21-81, subg.)⁹¹
 (*Microrhagus* B. & L. 35-620)⁹¹
 wrighti Knull 46-246 Fla.
 imperfectus (Lec.) 52-48 Mass.-Ohio⁹²

Hylis Gozis 86-21

- (*Hylus* VanD. 43-51)
 HYPOCELUS Esch. 36-4⁸¹
 robustus VanD. 43-51 Cal.
 arizonicus VanD. 45-103 Ariz.

BUPRESTIDÆ

Acmaeodera

- holsteni White 39-71 Cal.
 perlanosa Timb. 39-179 Cal.
 palmarum Timb. 39-181 Cal.
 perforata Cazier 40-17 Tex.
 inyoensis Cazier 40-18 Nev.⁹⁹ Cal.
 fisheri Cazier 40-19 Cal.
 ligulata Cazier 40-20 N.M. Ariz.
 parkeri Cazier 40-22 Ariz. Mex.
 discalis Cazier 40-24 Ariz. Tex.
 pullata Cazier 40-57 Cal.
 barri Cazier 40-58 Cal.
 tuta Horn 78-11 Nev.⁹⁹
duboisii Cazier 38-138⁹³
 paradisjuncta Knull 40-36 Tex. Mex.
 gillesspiensis Knull 41-98 Tex.
 adenostomensis Knull 41-691 Cal.
 curtilata Knull 41-692 Cal.

⁸⁴ Dietrich—45 and M. C. Lane in litt.⁸⁵ Valid species, Van Dyke—43.⁸⁶ Valid subspecies, Van Dyke—43.⁸⁷ W. J. Brown—39.⁸⁸ Citation from Blackwelder—44.⁸⁹ W. J. Brown—40.⁹⁰ Blackwelder—44.⁹¹ Knull—46.⁹² Cazier—40.⁹³ Barr—41.

- yumæ* Knull ⁹⁴ Ariz. Cal.⁹⁹ disjuncta Fall Tex.⁹⁹
ephedræ Barr 42-113 Cal. falli Kerr. Tex.⁹⁹
linsleyi VanD. 43-101 Cal. opacula Lec. N.M.⁹⁹
moronga VanD. 43-102 Cal. rossi Cazier Ariz. Cal.⁹⁹
lucana VanD. 42-103 L.Cal. jaguarina Knull Ariz. Cal.⁹⁹
lagunæ VanD. 45-104 L.Cal. pinalorum Knull 30-15 Ariz. Cal.⁹⁹
transversa VanD. 45-105 L.Cal. sinuata VanD. Ore.⁹⁹
nautica VanD. 45-106 Cal. v.sexnotata VanD.
fisheri Cazier
v.vermiculata Knull 47-174 Ariz. Cal.
opacula Lec. 58-82 N.M.⁹⁹
amabilis Horn 78-7 ⁹³
cribricollis Horn 91-375 Nev.⁹⁹ Ariz. Cal.
barrea Fall 07-241 ⁹³
conata Lec. 58-70 Ariz.⁹⁹
comata Lec. 63-43
acuta Lec. Utah ⁹⁹ Ore.⁹⁵
angelica Fall Ore.⁹⁵ 1
v.nexa Fall 22-89 ⁹⁸ Ore.⁹⁵ ⁹⁹
bishopiana Fall Ore.⁹⁵
fenyesi Fall Ore.⁹⁵
gemina Horn Ariz.⁹⁹ Nev.⁹⁹ Ore.⁹⁵
hepburni Lec. Ore.⁹⁵
labyrinthica Fall Nev.⁹⁹ Ore.⁹⁵
mariposa Horn Ore.⁹⁵
plagiaticauda Horn Ore.⁹⁵ 1 ⁹⁹
sinuata
v.sexnotata VanD. Ore.⁹⁵
purshiae Fisher Utah ⁹⁹ Nev.⁹⁹ Cal.² Ore.⁹⁵
purschie Beer 44-108
vandykei Fall Nev.⁹⁹ Ore.⁹⁵
variegata Lec Ore.⁹⁵
varigata Beer 44-109
flavomarginata Gray L.Cal.⁹⁶ ⁹⁹
scapularis Horn L.Cal.⁹⁶
adenostomæ Cazier 39-137 Cal.
biedermanni Skinn. Cal.⁹⁹
cribricollis Horn Nev. Ariz. Cal.⁹⁹
dolorosa Fall Utah ⁹⁹
flavosticta Horn L.Cal.⁹⁹
gemina Horn 78-23 Ariz. Nev.⁹⁹
wickenburgana Knull 39-28 Ariz.
gibbula Lec. Tex.⁹⁹ L.Cal.⁹⁶ ⁹⁹ Mex.⁹⁹
hepburni Lec. Nev.⁹⁹
hulli Knull Cal. Ariz. Mex.⁹⁹
insignis Horn Cal.⁹⁷ ⁹⁹ Ariz.⁹⁹
junki Théry Cal. Ariz. Tex.⁹⁹
lanata Horn Nev.⁹⁹
latiflava Fall Nev.⁹⁹
lucia Fall N.M. Utah ⁹⁹
quadrivittata Horn N.M. Colo. Utah
Mex.⁹⁹
robusta Horn Nev.⁹⁹
v.rubrosuffusa Fall Nev.⁹⁹
s.duboisii Cazier 39-138 Cal.
sabinae Knull Cal.⁹⁹
vulturei Knull Ariz.⁹⁹
bivulnera Horn Ariz. Mex.⁹⁹
bowditchi Fall Tex. Utah ⁹⁹
- Acmaeoderoides** VanD. 42-108
insignis (Horn) 94-377 ³ Cal. L.Cal.
- Paratyndaris**
grassmani Parker 47-31 Ariz.
olneyæ Skinn. Ariz. L.Cal.⁴ Cal.⁴
olneya VanD. 45-109
s.crandalli Knull 41-694 Tex.
albofusciata Knull L.Cal.⁴
- SCHIZOPINI ⁵ ⁸
- Schizopus** ⁶
(Yermoëlla) Obenb. 39-263)⁷
lætus Lec. 58-70
helferi (Obenb.) 39-264 ⁷
sallei Horn 85-145
- Glyptoscelimorpha** Horn 93-137
marmorata Horn 93-137
viridis Chamb. 31-47
- Dystaxia** Lec. 86-385
** elegans* Fall 05-71
- Dystaxiella** Knull 40-362
** juniperæ* Knull 40-362 Cal.
murrayi Lec. 66-385
lecontei Thoms 79-6 ⁷
s.cuprea Knull 47-72 Cal.
* * *
- Agaeocera**
gentilis Horn. Tex. N.M. Mex.⁴
s.peninsularis VanD. 45-107 L.Cal.
- Hippomelas**
carolinensis Horn 83-288 (not 76-288)⁹
femorata Knull 41-386 Cal.
pygmaea Knull 41-386 Tex.
brunneata Knull 47-210 Cal.
NANULARIA Csy. 09-172 ¹⁰
granulatus VanD. 42-111 L.Cal.
inyoensis VanD. 42-112 Cal.
cupreofusca (Csy.) 09-173 ¹⁰ Cal.
californica (Horn) 75-147 ¹⁰ Cal.
- Dicerea** ¹¹
divaricata (Say) 23-163 (not 23-13)⁹
querci Knull 41-694 Cal.
s.cajonensis Knull 44-90 Cal.
strandtmanni Knull 47-174 Tex.
- Hesperorhipis** ^{11a}
hyperbolus Knull 38-137 Ariz.
s.californicus Knull 47-70 Cal.

⁹⁴ Not a variant of *aurora* Fall, as supposed by Cazier, Knull-41.

⁹⁵ Beer-44.

⁹⁶ Van Dyke-45.

⁹⁷ Timberlake-39.

⁹⁸ White-39.

⁹⁹ Barr-41.

¹ Beer-40.

² Linsley & Michener-43.

³ Transferred from *Acmaeodera* by Van Dyke-42.

⁴ Van Dyke-45.

⁵ Key to tribe, Obenberger-39.

⁶ Key to species, Cazier-39.

⁷ Cazier-41.

⁸ Rearrangement, Cazier-41.

⁹ W. J. Chamberlin in litt.

¹⁰ Transferred from *Buprestini*, Van Dyke-42.

¹¹ In 4th Supplement, footnote 8 should read

Van Dyke-34.

^{11a} Obenberger-39; revision.

Cinyra

- cuprescens Knull 40-363 Ariz.
roburella Knull 41-99 Tex.

Buprestis L. 58-408

- * (*Ancylochira* Esch. 29-9)¹²
(*Gymnota* Gistel 34-10)¹²
(*Anoplis* Kby. 37-151)¹²
(*Sterosa* Csy. 09-116, subg.)¹²
(*Cypriacis* Csy. 09-116, subg.)¹²
apricans Hbst. 01-125 N.Y.-Fla.-Tex.
nigricornis (Sturm) 26-105¹²
aciculata Dej. 37-88¹²
bosci L. & G. 37-146¹²
cribripennis Csy. 09-127¹²
decora (Fab.) 75-217 N.J.-Fla.-Tex.
salisburyensis (Hbst.) 01-174 Mass.-Ga.-
ultramarina Say 36-160¹² [Wis.
decora of Csy. 09-127¹²
s.cazieri Helfer 46-100 NY, N.J.
aurulenta L. 67-661 Wyo.-Mex.-Cal.-
lauta (Lec.) 54-17¹² [B.C.
radians (Lec.) 54-17¹²
villosa (Lec.) 73-331¹²
fabulosa Csy. 09-120¹²
æmula Csy. 09-121¹²
tacoma Csy. 09-121¹²
nupta Csy. 09-122¹²
venusta Csy. 09-122¹²
prospera Csy. 09-123¹²¹³
affinis Csy. 09-123¹²
adulans Csy. 09-123¹²
bicostata Dej. 37-88¹²
chrysochlora (Phil.) 64-314¹²
sulcicollis (Lec.) 59-209 N.S.-N.J.-Que.
lateralis Csy. 09-119¹²
striata (Fab.) 75-217 Que.-Fla.-Tex.-
obscura Csy. 09-125¹² [Ont.
impedita Say 36-160¹²
canadensis Csy. 09-124¹²
intricata Csy. 09-118 Wyo. N.M. Cal.
contortæ Hopp. 33-84¹² [B.C.
murrayana Hopp. 34-174¹²
adjecta (Lec.) 54-17 Wyo.-N.M.-Cal.-
brevis Csy. 09-117¹² [B.C.
connexa Horn 75-148 Nev. Cal.-Wash.
langi (Mannh.) 43-237 H.B.T.-N.M.-
ornata Walk. 66-324¹² [Cal.-B.C.
bistrinotata Csy. 09-108¹²
angusta Csy. 09-108¹²
callida Csy. 09-108¹²
fastidiosa Csy. 09-109¹²
mediocris Csy. 09-109¹²
crenata Csy. 09-110¹²
seditiosa Csy. 09-110¹²
leviceps Csy. 09-110¹²
depressa Csy. 09-111¹²
viridimicans Csy. 09-111¹²
incolumis Csy. 09-112¹²
oregona Csy. 09-112¹²
obliqua Csy. 09-113¹²
patruelis Csy. 09-113¹²
graminea Csy. 09-113¹²
fasciata (Fab.) 87-177 Que.-Ga.-Wis.
sexmaculata Hausm. 99-30¹²
sexplagiata (Lec.) 59-205¹²
therminieri Chev. 38-68¹²

¹² Helfer—41; revision of genus. (Parentheses are copied from this paper; they appear to be misapplied.)

- fulgens* Csy. 09-107¹²
fortunata Csy. 09-107¹²
saturata Csy. 09-114¹²
lineata (Fab.) 75-217 N.S.-Fla.-Tex.-Ind.
davisi Nic. & W. 18-95¹²
maculipennis Gory 40-118 N.J.-Fla.-Tex.
inconstans Melsh. 46-146¹²
deficiens Csy. 09-91¹²
fusiformis Csy. 09-91¹²
reducta Csy. 09-92¹²
scripta Csy. 09-92¹²
leporina Csy. 09-92¹²
maculativentris Say 24-272 N.S.-Pa.-
[Okla.-Man.
sexnotata L. & G. 37-129¹²
maculiventris G. & H. 69-1378¹²
maura L. & G. 38-131¹²
subornata (Lec.) 59-208 Kan.-Cal.-B.C.
punctiventris Csy. 09-99¹²
rubronotans Csy. 09-97¹²
violescens Csy. 09-99¹²
adonea Csy. 09-97¹²
histrion Csy. 09-98¹²
rusticorum (Kby.) 37-151 Man.-Tex.-
paganorum (Kby.) 37-152¹² [Cal.-
lecontei Saund. 71-40¹² [B.C.
acomana Csy. 09-101¹²
morosa Csy. 09-101¹²
fusca Csy. 09-101¹²
sublivida Csy. 09-102¹²
caliginosa Csy. 09-102¹²
nigricans Csy. 09-102¹²
lyrata Csy. 09-103¹²
adducta Csy. 09-103¹²
nuttalli (Kby.) 37-152 Me.-Va.-Cal.-
consularis Gory 40-120¹²¹³ [Alas.
alternans (Lec.) 59-207¹²
conicicauda Csy. 09-93¹²
diruptans Csy. 09-94¹²
contorta Csy. 09-95¹²
gravidula Csy. 09-95¹²
torva Csy. 09-96¹²
boulderensis Csy. 09-96¹²
flavopicta Csy. 09-96¹²
s.læviventris (Lec.) 57-43 Ariz. Cal.-
pugetana Csy. 09-94¹² [Wash.
dilatata Mots. (Lec.) 73-331¹²
rufipes (Oliv.) 90-16 Pa.-Fla.-Tex.-Kan.
virens Csy. 09-105¹²
elongata Csy. 09-105¹²
gibbsi (Lec.) 57-42 Cal.-Wash.
viridisuturalis Nic. & W. 18-100 Cal. Ore.
parallela Obenb. 22-92¹²
parallela Helfer 41-177
lesnei Garnett 22-9¹²
fremontiae Burke 24-70 Cal.
confluenta Say 23-159 Que.-B.C.-Tex.-
confluens (Lec.) 59-206¹² [Cal.
tesselata Csy. 09-104¹²

Xenorhipis ^{11a}

- vejvodskyi Obenb. 39-338 Conn.

Juniperella Knull 47-69

- mirabilis Knull 47-69 Cal.

¹³ Considered a valid species by Knull—47.

Melanophila¹⁴

- intrusa Horn 82-105 Ore.¹⁵
 occidentalis Obenb. 28-209 Ore.¹⁵
 notata L. & G.
 a.sloopi Obenb. 44-318 Fla.
 a.elegans Sloop^{14a} Ariz.
 a.hornicella Obenb. 44-318 Ga.
 a.paupera Obenb. 44-318 N.C.
 a.opaca Lec.^{14a} Ga. Fla.
 consputa Lec.
 a.franciscana Obenb. 44-318 Cal.
 a.occitanea Obenb. 44-318 Cal.
 a.chamberlini Obenb. 44-318 Cal.
 a.isolata Obenb.^{14a} Cal. Ariz.
 a.monochroa Obenb.^{14a} Cal.
 PHAENOPS
 californica VanD.
 a.tetrastictula Obenb. 44-319 Cal.
 a.monostigma Obenb. 44-319 Cal.
 a.vandykeana Obenb. 44-319 Cal.
 horni Obenb. 44-319 N.Y.
 a.immaculatella Obenb. 44-319 N.Y.
 fulvoguttata Harris
 a.octospilota L. & G.^{14a}
 a.pacifica Obenb. 44-320 Cal.
 a.harrisi Obenb. 44-320 Pa.
 a.decolorata L. & G.^{14a} Cal.
 drummondii Kby.
 a.plagifera Obenb. 44-320 Cal.
 a.lanchesteri Obenb. 44-320 Cal. Ore.
 a.nicolayi Obenb. 44-320 N.H.
 a.quirsfeldi Obenb. 44-320 Ore.
 a.monostictula Obenb. 44-320 Cal.
 a.tristicula Obenb.^{14a}
 s.abietis Ch. & Kn.^{14a}
 lecontei Obenb.
 a.oregonica Obenb. 44-321 Ore.
 a.burkei Obenb. 44-321 Ore. Kan.
 caseyi Obenb. 44-321 Cal.
 vandykei Obenb. 44-321 Cal.
Anthaxia
 californica Van Dyke 18-54¹⁵
 oregonensis Obenb. 42-127 Ore.
 wallowae Obenb. 42-128 Ore.
 neofunerula Obenb. 42-129 N.H.
Chrysobothris¹⁹
 lixa Horn 86-101 (not 86-108)¹⁶
 cyanella Horn Ore.¹⁵
 calcarata Chamb. Ore.¹⁵
 quadrilineata Lec. Cal.¹⁷
 debilis Lec. 59-236 Ohio Tex.-Cal.
 a.*disjuncta* Lec. 59-236¹⁸
 v.lateralis Waterh. 89-47 Tex. L. Cal.
 [Mex.¹⁸
 rossi VanD. 42-117 L. Cal.
 michelbacheri VanD. 42-120 L. Cal.
 martha VanD. 42-122 L. Cal.
 chamberlini Fisher 42-40
 a.*calcarata* || Chamb. 38-12¹⁹
 atriplexæ Fisher 42-45 Cal.
 prosopidis Fisher 42-70 Tex. Ariz.
 helferi Fisher 42-92 Cal.
 neopusilla Fisher 42-102 Va.-W. Va. N.C.

¹⁴ 4th Suppl. reference in footnote 16 should be Obenberger—36.

^{14a} Obenberger—44.

¹⁵ Beer—40.

¹⁶ W. J. Chamberlin in litt.

¹⁷ Linsley & Ross—40.

¹⁸ Van Dyke—42.

- hubbardi Fisher 42-174 Fla.
 wickhami Fisher 42-209 Ariz.
 fiskei Fisher 42-221 Tex.
 ephedrae Knull 42-390 Tex. N.M.
 culbersoniana Knull 43-34 Tex.
 crandalli Knull 43-34 Ariz.
 paragrindeliae Knull 43-42 Cal.
 verdevallisi Fisher 43-202 Ariz.
 santarosæ Knull 47-70 Cal.
 distincta Gory. Cal.^{19a}
 chamberlini Obenb. 40-93 Cal.
 vandykeana Obenb. 40-94 Cal.
 pseudoacutipennis Obenb. 40-94 Tex.
 a.*acutipennis* || Horn 86-104

Actenodes¹⁹

- simi Fisher 40-176 R.I.—Tex.

Agrilus

- politus (Say) 25-251 (not 25-241)¹⁶
 derasofasciatus B. & L. 35-613 N.Y.²⁰
 [Eur.
 hualpaii Knull 39-30 Ariz.
 catalinae Knull 40-556 Ariz.
 limpia Knull 41-283 Tex.
 cliftoni Knull 41-382 Ohio.
 patagoniensis Knull 41-384 Ariz.
 davisii Knull 41-385 Tex.
 peninsularis VanD. 42-126 L. Cal.
 diospyroides Knull 42-390 Tenn.
 frisoni Fisher 43-201 Tex.
 palmerleei Knull 44-76 Ariz.
 amelanchieri Knull 44-80 Ariz.
 cladrastis Knull 45-80 Ky.
 chalcogaster VanD. 46-83 Cal.
 gillespiensis Knull 47-70 Tex.

Pachyschelus

- uvaldei Knull 41-387 Tex.

Taphrocerus

- agriloides Cr. 73-96 (not 73-76)¹⁶
 schæfferi N. & W. Ariz. L. Cal. Mex.²¹
 huachucanus Knull 44-90 Ariz. N.M.
 mercedensis White 47-182 Cal.

Mastogenius^{11a}

- knulli Obenb. 39-79 Tex.

ELMIDÆ

Stenelmis

- sandersoni Musgr. 40-48
 tarsalis Sandn. 38-675
 (not Delève, 1937)

Elmis

- thermarum Darl. 28-5 Nev.²²

DASCILLIDÆ

Eurypogon

- harrisi (Westw.) 62-374²³ Que.—Va.—
 [Mich.
 a.*lineato-punctatus* (Westw.) 62-375²⁴

¹⁹ Fisher—42; revision of genus.

^{19a} Obenberger—40.

²⁰ Malkin—41.

²¹ Van Dyke—45.

²² Not Oregon, La Rivers in litt.

²³ Valid species, Brown—44.

²⁴ Brown—44.

HELODIDÆ

Helodes
aquatica Blais. 40-190

Cal.

DERMESTIDÆ²⁸

Byturinæ²⁵

Byturrellus Barber 42-14²⁵
* griseus (Jayne) 82-345
 inflatus Csy. 16-177²⁵
 s.griseus s.str.
 s.dubius Barber 42-15

Cal.
Ore.

Byturus Latr. 96-69²⁵
* sordidus Barb. 42-18 N.H.-N.C.-Ind.
 rubi Barber 42-18 Que.-Md.-Alb.
 bakeri Barb. 42-20 Wash. ?B.C.
 unicolor Say 23-127 N.Y.-Mich.-Tex.-
 americanus G. & H. 68-912²⁵ [S.C.
 punctatus Csy. 06-178²⁵
 ?*brevicollis* Csy. 16-179²⁵

Dermestinae²⁸

Dermestes²⁹
maculatus Deg. 74-223 Cosmop.
 vulpinus F. 81-64^{30 31}
 marginatus Thunb. 81-7³⁰
 senex Germ. 24-84³⁰
 lateralis Sturm 26-130³⁰
 elongatus Hope 34-55^{30 31}
 lupinus Er. 43-206³⁰
 semistriatus Boh. 51-583 (part)³⁰
 rattulus M. & R. 68-30³⁰
 sudanicus Gredl. 77-506³⁰
ater Deg. 74-233 Cosmop.
 cadaverinus F. 75-55^{30 31}
 piceus Thunb. 81-8^{30 31}
 felinus F. 87-3^{30 31}
 domesticus Germ. 24-83³⁰
 semistriatus Boh. 51-583 (part)³⁰
 hispidulus Montr. 60-264³⁰
 chinensis Mots. 66-168³⁰
 subcostatus Murr. 67-22^{30 31}
 noxius M. & R. 68-55³⁰
 fararqui Godard 83-383³⁰

Attageninae²⁸

Attagenus

Novelsis

Dearthrus

Trinodinae²⁸

Apsectus

²⁵ Barber—42; revision of subfamily.
²⁶ An alternative synonymy given by Barber—47
 is now known to be unnecessary.
²⁷ Barber—47.
²⁸ Classification of family, Rees—43.
²⁹ Key to larvæ, Rees—47.

Thylodrinae²⁸

Thylodras Mots. 39-75²⁶
 (*Thelydras* Agassiz 46-162)²⁷
 (*Ignotus* Slosson 03-183)²⁷
 (*Hospitopterus* Pic 21-54)²⁷
contractus Mots. 39-76
 enigmaticus Slosson 03-183²⁷
 efflatouni Pic 21-54²⁷

Anthreninae²⁸

MEGATOMINI²⁸

Perimegatoma
vespulae Milliron 39-570 Minn.

Trogoderma

Acolpus

Thaumaglossa

Cryptorhopalum

ANTHRENINI²⁸

Anthrenus

OSTOMIDÆ

Nemozoma³²
 cupressi VanD. 44-147 Cal.
Pseudocotomus VanD. 44-152
 mclayi VanD. 44-153 Cal.
Corticotomus³²
 apicalis VanD. 44-151 Cal.

NITIDULIDÆ^{33 34}

Cateretinae³⁵

Cateretes Hbst. 93-11
* (*Kateretes* Hbst. 93-11)³³
 (*Cercus* Latr. 96-68)³³
 (*Anisocera* Steph. 32-438)³³
 (*Anomæocera* Shuck. 40-25)³³
 PULION Gozis 86-12³³
 pennatus (Murr.) 64-235 Que.-N.C.-B.C.
 crinitus (Murr.) 64-235³³
 sericans (Lec.) 59-69 Wash.-Cal. Ariz.
 [Mex.]

CATERETES s.str.

scissus Parsons 43-138 Mass. Alb.
 bipustulatus of authors³³

Boreades Parsons 43-139
* (*Cercometes* of authors)³³
 abdominalis (Er.) 43-229 Can.-Ga.-Tex.

Brachypterus Kugel. 94-560
 (*Virbius* Gozis 86-11)³³

³⁰ Lepesme—39.
³¹ Barber—42.
³² Key to species, Van Dyke—44.
³³ Parsons—43; revision of family.
³⁴ Key to subfamilies, Parsons—43.
³⁵ Key to genera, Parsons—43.

Brachypterolus

pulicarius (L.) 58-357
mordelloides Notm. 20-29³³

Amartus Lec. 63-343

(*Brachyleptus* Mots. 70-352, not
 1845)³³

Anthoneus**Carpophilinae**³⁵**Conotelus****Brachyepelus** Er. 42-148

(*Nitidulopsis* Walker 58-206)³³

Colopterus

truncatus (Rand.) 38-18
infimus (Er.) 43-245³³
obliquus (Lec.) 58-62³³
limbatus (Lec.) 58-62³³
 gerhardi Dodge 39-290

Ill.

Carpophilus³⁶

UROPHORUS Murr. 64-342³³
 humeralis (Fab.) 98-74 Cosmop.
picinus Boh. 51-560³³
foveicollis Murr. 64-344³³
rickseckeri Fall 10-124³³

CARPOPHILUS s.str.

pallipennis Say 23-194 Alb.-Fla. L.Cal.
pollens Shp. 89-300³³ [Mex.
pallens Leng 20-195³³
 nigrovittatus Parsons 43-167 Ariz. Mex.
 sayi Parsons 43-171 Que.-Ga.-N.M.-

[Man.

obsoletus Er. 43-259 Cal.³³ Old World
cribellatus Mots. 58-41³³
strigipennis Mots. 58-41³³
funereus Rtrr. 84-259³³

brevipennis (Blanch.) 42-64 Tex.-Ariz.
lucertosus Murr. 64-354³³ [C.A.
purpureipennis Murr. 64-354³³
ignobilis Fall 10-124³³

dimidiatus (F.) 92-261 Que.-Fla.-Cal.
luridus Murr. 64-377³³ [Cosm.
mutilatus Er. 43-258³³

Nitidulinae³⁵**Haptoncus**^{37 38}

californicus Gillogly 46-22 Cal.

Epuræa Er. 43-267³⁹

(*Dadopora* Thoms. 59-68)³³
(Epuræanella Cr. 74-76)³³
(Omispheora Rtrr. 75-56)³³
(Micrurula Rtrr. 84-209)³³
(Micruria Rtrr. 74-58)³³

liebecki Parsons 43-189 Ariz.
 obtusicollis Rtrr. 73-24 Que.-N.C.-Cal.-
ovata Horn 79-298³³ [Alb.
 flavomaculata Mäkl. 53-205⁴⁰ N.H.-
depressa of authors³³ [N.M.-Alas.

depressa (Ill.) 98-386

estiva (Fab.) 75-77³³

convexiuscula Mannh. 43-255³³
 populi Dodge 39-288 Mich. Minn.

Orthoepelus**Stelidota**³⁹

octomaculata (Say) 25-181
biseriata Rtrr. 74-15³³

Omosita

discoidea (Fab.) 75-78
cinctu Heer 41-396³³

Nitidula

flavomaculata Rossi 90-58⁴¹ Me.-D.C.
flexuosa Oliv. 90-7³³ [Cal. Eur.
 carnaria (Schall.) 83-257³³ Mass.-Cal.
 [Eur.

Prometopia**Lobiopa** Er. 43-291

(*Cerophorus* Cast. 40-10, part)³³
 (*Soronia* Rtrr. 73-46, part)³³

insularis Cast. 40-10
contaminata Er. 43-296³³
decumana Er. 43-295³³
dimidiata Er. 43-295³³
grandis Er. 43-294³³

Soronia**Phenolia****Amphotis****Thalyera****Perthalyera****Quadrifrons****Pocadius****Camptodes** Er. 43-321³⁹

* EUCAMPTODES Shp. 90-327
 texanus Schffr. 04-203 Tex.
 gaumeri Shp. 90-330 Tex.³³ Mex.
 nigerrimus Parsons 43-241 Ariz.

Amphicrossus Er. 43-346^{39 42}

(*Lobostoma* Fairm. 92-90)³³
 (*Rhacostoma* Berg 98-18)³³

Cyehramus Kugel. 94-543

(*Campta* Steph. 30-30)³³

Pallodes

pallidus (Beauv.) 05-157
silaceus Er. 43-350³³

Cyllodes Er. 43-342

(*Strongylus* Hbst. 92-179, not
 (*Strongylus* Parsons 43-247) [Müll.)³³
 (*Volroxis* Kugel. 94-355)³³
 (*Pseudocamptodes* Grouv. 96-76)³³

Oxyenemus³³ Parsons—43; revision of family.³⁵ Key to genera, Parsons—43.³⁶ Key to subgenera, Parsons—43.³⁷ Transferred to Carpophilinae by Gillogly—47.³⁸ Returned to Nitidulinae by Parsons in litt.³⁹ Key to species, Parsons—43.⁴⁰ Distinct species, Dodge—39 and Parsons—43.⁴¹ An introduced species, Dodge—39 and

Parsons—43.

⁴² Key to species, Parsons—39.

Meligethinae

- Meligethes** Steph. 30-30³⁹
 * ACANTHOGETHES Rtrtr. 71-49
 pinguis Horn 79-314 Nfld.
 MELIGETHES s.str.
 sævus Lec. 59-6 Tenn.-N.M.-Mont.
 seminulum Lec. 57-37 Mass.-Y.T.-Ore.
 æneus (Fab.) 75-78 Me.-Tenn. N.M.-
 [B.C.]
brassica Rtrtr. 75-16 (not Scop.)³³
moerens Lec. 57-37³³
rufimanus Lec. 57-37³³
californicus Rtrtr. 71-33³³
 mutatus Harold 68-827 N.Y.-Cal.
ruficornis Lec. 59-6 (not Heer)³³

Cryptarehinae³⁵**Pityophagus****Cryptareha**

- Glichrochilus** Rtrtr. 73-162³⁹
 * obtusus (Say) 35-168 N.Y.-S.C.-La.-
 sanguinolentus (Oliv.) 90-8 [Mich.]
 s.sanguinolentus s.str. Que.-Fla.-Tex.-
 [B.C.]
 s.rubromaculatus (Rtrtr.) 73-161 Que.-
 [Fla.]
 fasciatus (Oliv.) 90-12 Que.-Fla.-N.M.-
f-maculosa Melsh. 44-107³³ [B.C.]
geminatus Melsh. 44-108³³
 siepmanni Brown 32-259 Que.-N.Y.-B.C.
 quadrisignatus (Say) 35-169
 s.quadriseignatus s.str. N.H.-Fla.-Utah
similis Melsh. 44-108³³
bipustulatus Melsh. 44-108³³
bipunctatus Melsh. 44-108³³
sexpustulatus Rtrtr. 73-161³³
 s.canadensis Brown 32-259 Que.-S.C.-
 [N.M.-B.C.]
 vittatus (Say) 35-170 Que.-N.C.-Cal.-
dejeani (Kby.) 37-107³³ [Alas.]
sepulchralis Rand. 38-19³³
 confluentus (Say) 23-195 Ont.-Ga.-Nev.
 moratus Brown 32-261 Ont.-B.C. Tex.
 lecontei Brown 32-262 Man.-N.M.-Cal.-
 [B.C.]
cylindricus (Lec.) 63-64 (not Oliv.)

MONOTOMIDÆ**Hesperobænus**

- fenyesi VanD. 45-102 Cal.

CUCUJIDÆ**Inopeplus**⁴³**DERODONTIDÆ****Laricobius**

- ⁴³ Transferred to Staphylinidæ by Blackwelder
 —42; returned to Cucujidæ by Paulian—46.
⁴⁴ Brown—44.

- rubidus Lec. 61-198⁴⁴ Que.-D.C.-Mich.
erichsonii of authors⁴⁴
 nigrinus K.Fend. 45-152 Ore. B.C.

MYCETOPHAGIDÆ**Mycetophagus**

- pluriguttatus Lec. 56-13
 s.franciscanus VanD. 39-17 Cal.

Berginus Er. 48-405⁴⁵

- californicus Pierce 39-53 Cal.

COCCINELLIDÆ**Hyperaspis** Redt. 43-08⁴⁶

- * I
 levrati (Muls.) 50-613 Wyo.-Tex.-Ariz.
metator (Csy.) 08-413⁴⁶ [Mex.]
 revocans Csy. 08-419
 s.revocans s.str. Ut.Ariz. Cal.
 s.occidentalis Dobz. 41-6 Cal.
 II
 octonotata Csy. 99-121 Colo.-N.M.-Cal.
 bensonica Csy. 08-418 [Mex.]
 s.bensonica s.str. Colo.-N.M.-Cal. Mex.
 s.disrupta Dobz. 41-9 Cal.
 chapini Dolz. 41-10 Ida.
 III
 pratensis Lec. 80-188
 s.pratensis s.str. N.J.-N.C.-Iowa
triplicans Csy. 24-163⁴⁶
microsticta Csy. 24-163⁴⁶
 s.medialis Csy. 99-123⁴⁶ Tex. Ariz.
 s.æmulator Csy. 08-413⁴⁶ ?Iowa. Ariz.
 conspirans Csy. 08-414 Tex. Ariz.
 gemma Csy. 99-123 Tex.-Cal. Mex.
 fastidiosa Csy. 08-414
 s.fastidiosa s.str. Colo.-Ariz.-Cal.-Ore.
 s.septentrionis Dobz. 41-15 Wyo. Ida.
 [Ariz.]
 IV
 lateralis Muls. 50-657
 s.lateralis s.str. Colo.-Tex.-Cal. Mex.
lavipennis Csy. 99-122⁴⁶
pinguis Csy. 99-122⁴⁶
 s.montanica Csy. 99-121⁴⁶ S.D.-Colo.-
 [Cal.-B.C.]
 s.flammula Nunen. 11-72⁴⁶ Alb.-Colo.-
 [Mont.]
 s.nigrocauda Dobz. 41-17 Colo.-N.M.-
 [Cal.]
 s.omissa Csy. 99-122⁴⁶ Ut.-N.M.-
 [Cal.]
 s.wellmani Nunen. 11-72⁴⁶ Ut.-Wash.-
 [Cal.]
 s.idæ Nunen. 12-450⁴⁶ Cal.
 excelsa Fall 01-232 Cal.
 tædata Lec. 80-187 Fla.
 lugubris (Rand.) 38-52 Mass.-Colo.-Tex.
jucunda Lec. 52-134⁴⁶
lecontei Cr. 74-233⁴⁶
venustula Muls. 50-671⁴⁶
separata Csy. 24-165⁴⁶

⁴⁵ Key to species, Pierce—39.⁴⁶ Dobzhansky—41; revision of genus.

- V
 proba (Say) 26-303
 s. proba s.str. Mass.-Fla.-Ariz.-Minn.
 ptrinifer Csy. 99-123⁴⁶
 s. weisci Schffr. 08-126⁴⁶ Tex.
 globula Csy. 99-124 Tex. Mex.
 VI⁴⁷
 connectens (Thunb.) 08-157 Tex. Ariz.
 lengi Schffr. 05-144⁴⁶ [C.A.
 rotunda Csy. 99-123 Tex. Ariz.
 rotundata Korsch. 31-195⁴⁶
 VII⁴⁷
 binotata (Say) 26-302 Que.-Fla.-Tex.-
 normata (Say) 26-302⁴⁶ Neb. Cal.
 affinis (Rand.) 38-50⁴⁶
 leucopsis Melsh. 47-179⁴⁶
 conviva Csy. 24-163⁴⁶
 insolens Csy. 24-164⁴⁶
 signata (Oliv.) 08-1047 N.Y.-Fla.-Tex.
 pinorura Csy. 24-162 Del.-Fla.
 ?inedita Muls. 50-684⁴⁶
 hæmatosticta Fall 07-222 N.M. Ariz.
 lewisi Cr. 73-380 N.Y.-N.C.-Ky.
 maneci Csy. 24-163⁴⁶
 leachi Nunen. 34-19 Cal.
 regalis Csy. 99-123 Fla.
 nigrosuturalis Blatch. 18-420 Fla.
 bicentralis Csy. 99-124
 s. bicentralis s.str. Tex. Okla.
 s. major Dobz. 41-33 Ill.
 centralis Muls. 51-685
 s. centralis s.str. L. Cal. C.A.
 s. wickhami Csy. 99-124⁴⁶ Tex.
 s. plagiata Dobz. 41-34 Md.
 oculifera Csy. 08-415 Ariz.
 rivularis Dobz. 41-35 Ky. Ill. Mo.
 tuckeri Csy. 24-162 Ariz.
 bigeminata (Rand.) 38-32 Me.-Fla.-
 guexi Muls. 50-687⁴⁶ [Tex.-Ont.
 gemina Lec. 80-188 Va. N.C.
 uniformis Csy. 24-162 N.C.
 VIII⁴⁷
 postica Lec. 80-188 Ariz.-Cal.-B.C.
 elliptica Csy. 99-126 Mont. Cal.-B.C.
 angustula Csy. 99-127⁴⁶
 nunenmacheri Csy. 08-417 Ida. Cal.-
 [Wash.
 oculicauda Csy. 99-127 Nev. Cal. Ore.
 effeta Csy. 99-127 Cal. Ore.
 subdepressa Csy. 99-127 Cal.
 IX⁴⁷
 tæniata Lec. 52-134
 s. tæniata s.str. Cal. Ut.
 s. nevadica Csy. 99-125⁴⁶ Ut.-Ariz.-
 [Cal.-Ore.
 s. perpallida Dobz. 41-44 Cal.
 s. pallidula Dobz. 41-45 Cal.
 s. significans Csy. 08-416⁴⁶ Ut. Ariz.
 [Cal.
 v. concurrens Csy. 08-416⁴⁶ Utah
 v. pallescens Dobz. 41-46 Ariz.
 s. rufescens Dobz. 41-47 Tex. N.M. Colo.
 s. cruenta Lec. 80-187⁴⁶ Tex.
 s. cruentoides Dobz. 41-18 Fla.
 s. binaria Csy. 24-165⁴⁶ N.C. Fla.
 oscularis Lec. 80-187 Cal.
 pleuralis Csy. 99-125 Tex.-Cal.-Utah
 v. aterrima Csy. 08-416⁴⁶ Tex.-Cal.-
- biornata Nunen. 34-18 [Utah. Mex.
 s. biornata s.str. Cal.
 s. arizonica Dobz. 41-53 Ariz.
 X⁴⁷
 fimbriolata Melsh. 47-180
 s. fimbriolata s.str. N.Y.-Va.-Cal.
 rufomarginata Muls. 50-661⁴⁶
 limbalis Csy. 99-126
 s. atlantica Dobz. 41-55 Va. Fla. Miss.
 s. serena Csy. 08-417⁴⁶ Mass.-N.J.-
 [Mich.
 s. inflexa Csy. 99-126⁴⁶ Man.-N.M.-
 [Mont.
 cincta Lec. 58-89 Ut. Ariz. Cal.
 nupta Csy. 99-126⁴⁶
 protensa Csy. 08-417 Ariz.
 marginata Gaines 33-263 Tex.
 dissoluta Cr. 73-379
 s. dissoluta s.str. Nev. Ariz. Cal.
 s. coloradana Csy. 08-417⁴⁶ Minn.-Ore.-
 [Tex.
 sanctæ-ritæ Dobz. 41-60 Ariz.
 psyche Csy. 99-125 Cal.
 XI⁴⁷
 disconotata Muls. 50-653
 s. disconotata s.str. Mich. Ill. Minn.
 s. troglodytes Muls. 53-219⁴⁶ N.B.-
 discreta Lec. 80-187⁴⁶ Va.-Iowa
 s. canadensis Dobz. 41-63 Alb.
 trifurcata Schffr. 05-143 Tex.
 XII⁴⁷
 undulata (Say) 24-92 Can.-Va.-Tex.-
 maculifera Melsh. 47-179⁴⁶ [Minn.
 elegans Muls. 50-658⁴⁶
 octavia Csy. 08-419 Me.-Va.-Minn.
 paludicola Schz. 78-362 ?Mass. Va.-Fla.
 punctata Lec. 80-188 S.D. Tex. N.M.
 filiola Csy. 08-419 Ariz.
 quadrioculata (Mots.) 45-383
 s. quadrioculata s.str. Cal.
 s. notatula Csy. 99-121⁴⁶ Ariz. Nev.
 [Cal.
 s. scotti Dobz. 41-70 Cal.
 s. fidelis Csy. 08-418 Cal.
 triangulum Csy. 99-123 Tex. Ariz. Cal.
 spiculinata Fall 01-232 Cal.
 simulatrix Dobz. 41-72 Ida. Mont. Wash.
 XIII⁴⁷
 annexa Lec. 52-133 Cal. Ida.
 quadrivittata Lec. 52-133
 s. quadrivittata s.str. Alb.-N.M.-Ariz.-
 Ida.
 s. tetraneura Csy. 08-420⁴⁶ Colo. Ut.
 [N.M.
 oregona Dobz. 41-76
 s. oregona s.str. Wyo. Ida. Ore. Wash.
 s. borealis Dobz. 41-76 Wash. B.C.
 brunnescens Dobz. 41-77 Ill.
 XIV⁴⁷
 mcrens (Lec.) 50-238 Mich. Wyo. Mont.
 consimilis Lec. 52-134⁴⁶
 simulans Csy. 99-128 Ariz.
 XV⁴⁷
 bolteri Lec. 80-186 Ill. Kan.
 jovialis Fall 25-311 Cal.
 californica Dobz. 41-81 Cal.
 esclavium Dobz. 41-82 Miss.

⁴⁶ Dobzhansky—41; revision of genus.⁴⁷ These groups are misnumbered in Dobzhansky—41.

- nubilata Csy. 24-166 N.C. Ga.
asphaltina Csy. 24-166⁴⁶
 XVI⁴⁷
 ?annularis Boh. 59-205 Cal.
 ?horni Cr. 73-371 Cal.
 ?nigropennis Blatch. 24-167 Fla.
 ?pluto Fall 25-311 Cal.
 ?subsignata Cr. 74-226 Tex.
 ?tristis (Lec.) 80-188 Colo.
 * * *
 obscura Malkin 43-110 Ore.
- Hyperaspidius**
 falli (Nunen.) 12-450⁴⁵
 ploribunda (Nunen.) 11-74⁴⁸
 wolcottii (Nunen.) 11-73⁴⁸
 juniperus Nunen. 44-145 Cal.
 rossi Nunen. 44-145 Ore.
 shauli Nunen. 44-145 Tex.
- Brachyaecantha**
 carolina (Csy.) 24-164⁴⁸
- Scymnus**
 floridana (Muls.) 50-1040⁴⁸
 sexualis (Csy.) 24-167⁴⁸
 hæmorrhous Lec 52-138
hæmorrhous Malkin 43-193
 fenderi Malkin 43-109 Ore.
 lodi Stehr 46-80 Ohio
 ohioensis Stehr 46-80 Ohio
- Rhizobius**
 (debilis Blackb. 88-201 not No.Amer.)⁴⁹
- Anisosticta** Chev. 35-456
 (*Anisosticta* Malkin 43-194)
 borealis Timb. 43-45 Alas.
- Næmia**
 seriata (Melsh.)
 s.seriata s.str. Mass.-Va.-Tex.
 s.decepta (Blatch.)⁵⁰ S.C. Fla. W.I.
- Ceratomegilla** Cr. 73-365
 (*Ceratomegilla* Malkin 43-194)
- Eriopsis** Muls. 51-6
 (*Eriopsis* Timb. 43-10)
- Colcomegilla**
 maculata (Deg.)
 s.lengi Timb. 43-9 N.Y. Ohio
 s.strenua (Csy.) 99-76⁵⁰ Tex.-Cal. Mex.
 s.fusilabris Muls. 66-22⁵⁰ D.C. Fla.
floridana (Leng) 03-38⁵⁰ [La.
- Hippodamia** Dej. 36-456⁵¹
 * I
 13-punctata (L.) 58-366 (not N.Amer.)⁵¹
 s.tibialis (Say) 24-94⁵¹ Me.-D.C.-
 [Cal.-Alas.
 americana Crotch 73-368 Mich.
 falcigera Cr. 73-368 Ida.
 washingtoni Timb. 39-265 Ore. Wash.
 II
 parenthesis (Say) 24-93 Me.-S.C.-Cal.-
tridens (Kby.) 37-229⁵¹ [Alas.
 apicalis Csy. 99-81
 s.apicalis s.str. Colo.-Cal.-B.C.
- s.lengi Johnson 10-55⁵¹ Cal.
nigromaculata Nunen. 34-20⁵¹
 lunatomaculata Mots. 45-382
 s.lunatomaculata s.str. Cal.
parenthesis Csy. 99-81 (part)⁵¹
lunatomarginata Korsch. 32-342⁵¹
 s.dobzhanskyi Chpn. 46-11 Ore. Wash.
 [B.C.
 expurgata Csy. 08-400 S.D.-N.M.-Nev.
 III
 quinquesignata (Kby.) 37-230
 s.quinquesignata s.str. Kan.-Cal.-B.C.
mulsanti Lec. 52-131⁵¹
leporina Muls. 56-344⁵¹
 v.uteana Csy. 08-397⁵¹ Ut.-Cal.
subsimitis Csy. 99-79⁵¹
vernix Csy. 99-79⁵¹
quadraria Csy. 24-156⁵¹
 s.ambigua Lec. 52-131⁵¹ Cal.-Wash.
obliqua Csy. 99-79⁵¹
 s.punctulata Lec. 52-131⁵¹ Cal.-Wash.
 glacialis (Fab.) 75-80
 s.glacialis s.str. N.H.-S.C.-Colo.
 ?*pseudoglacialis* Johnson 10-23⁵¹
 ?*hoppingi* Nunen. 34-21⁵¹
 s.lecontei Muls. 50-1010⁵¹ Colo.-
 [Ariz.-Ida.
 s.extensa Muls. 50-17⁵¹ Cal.
 s.mackenziei Chpn. 46-19 Cal.
 IV
 quindecim-maculata Muls. 50-20 Wis.-
 [Ill.-Colo.
quinquedecimmaculata Korsch. 32-
 mæsta Lec. 54-19 [343⁵¹
 s.mæsta s.str. Cal.-Wash.
 s.bowditchi Johnson 10-45⁵¹ Colo.-B.C.
 s.politissima Csy. 99-80⁵¹ Cal.
 convergens Guérin 42-321 Can. U.S. C.A.
 caseyi Johnson 10-21 Colo.-Cal.-Wash.
 oregonensis Cr. 73-367
 s.oregonensis s.str. Wash. B.C.
puncticollis Csy. 99-78⁵¹
liliputana Csy. 08-397⁵¹
 s.dispar Csy. 99-79 Colo.
 s.cockerelli Johnson 10-49 Wyo. Colo.
 V
 sinuata Muls. 50-1011
 s.sinuata s.str. Cal. Mex.
trivittata Csy. 99-80⁵¹
 s.crotchii Csy. 99-80⁵¹ Wyo.-N.M.-Cal.
fontinalis Csy. 24-156⁵¹
 s.disjuncta Timb. 19-169⁵¹ N.D.-
 [Colo.-Cal.-Wash.
 s.spuria Lec. 61-358⁵¹ Ore.-B.C.
complex Csy. 99-80⁵¹
 s.straminea Chpn. 46-29 Cal.
 * * *
 apicalis
 s.tricolor Nunen. 46-72 Cal. Ore
 mæsta
 v.bowditchi Johnson
bowdithi Malkin 43-196
- Cycloneda**
 polita Csy.
 s.flava Timb. 43-24 Cal.

⁴⁸ Transferred from *Hyperaspis* by Dobzhansky—41.

⁴⁹ Not established in North America, Flanders in litt.

⁵⁰ Timberlake—43.

⁵¹ Chapin—46; revision of genus.

Cleis Muls.⁵²

- pieta Rand. 38-51
blanchardi Johnson 10-72⁵³
v. impictipennis Weise 95-125⁵³

Anisoclyvia

- duodecim-maculata (Geb.) 32-76
duodecimguttata Malkin 43-197

Anatis

- rathvoni Lec. 52-132
rhatroni Malkin 43-198

TENEBRIONIDÆ

Metoponium

- abnorme Lec.
s. laticolle Csy. 07-291⁵⁴ Ariz. L. Cal.⁵⁴
transversum Blais. 43-174 L. Cal.
erosum Blais. 43-175 L. Cal.

Telaponium

- pingue Blais. 43-179 L. Cal.

Trimytilis

- PIMALIUS Csy.
ceralboensis Blais. 43-196 L. Cal.

Metopotoba

- subpilosa Blais. 43-199 L. Cal.

Triorophus

- lariversi Blais. 42-132 Nev.

Triphalus

- impressifrons Blais. 43-202 L. Cal.

Triphalopsis

- impressicollis Blais. 43-203 L. Cal.

Stibia

- ferruginea Blais. 43-208 L. Cal.

Orthostibia

- muricata Blais. 43-210 L. Cal.
fraterna Blais. 43-211 L. Cal.

Edrotes Lec. 51-140⁵⁵

- * (*Pimelia* Say 24-251)⁵⁵
 ODROTES LaRiv. 47-320
arens LaRiv. 47-320 Ariz.
 EDROTES s. str.
ventricosus Lec. 51-141 Ida.-Ariz. Cal.
nitidus Csy. 90-175⁵⁵ [Mex.]
orbis Csy. 07-451⁵⁵
angusticollis Csy. 07-452⁵⁵
longipennis Csy. 07-452⁵⁵
mexicanus Blais. 23-241⁵⁵
asperatus Blais. 23-241⁵⁵
laticollis Csy. 24-300⁵⁵
longicornis Csy. 24-300⁵⁵
variipilis Csy. 24-301⁵⁵
rotundus (Say) 24-251 Colo.-Tex.-Ariz.
globosus Csy. 90-175⁵⁵
inflatus Csy. 07-454⁵⁵
puncticeps Csy. 07-454⁵⁵
intermixtus Csy. 07-455⁵⁵
oblongulus Csy. 07-455⁵⁵
lineatus Csy. 07-455⁵⁵

- subaequalis* Csy. 07-456⁵⁵
angustulus Csy. 07-456⁵⁵
desertus Blais. 43-212⁵⁵

Araeoschizus

- limbatus Blais. 43-214 L. Cal.
 antennatus Blais. 43-215 L. Cal.
 airmeti Tanner 45-125 Utah Ida.

Centrioptera

- (*Oochila* Lec. 62-220, not 66-220)⁵⁶
mielhelbacheri Blais. 43-227 L. Cal.

Cryptoglossa Sol. 36-680⁵⁷

- * (*Asbolus* Lec. 51-129)⁵⁷
verrucosa Lec. 51-129 Ariz. Nev. Cal.
s. carinulatus Blais. 45-25 Cal.
laevis Lec. 51-130 Ariz. Cal.
s. subsimilis Csy. 24-308 Ariz. Cal.
granulifera Champ. 92-508 Cal. Tex.
 [L. Cal. Mex.]
angularis Horn 94-414 L. Cal.

Stenomorpha Sol. 36-487

- (*Euschides* Lec. 51-127)⁵⁸
tumidicollis Blais. 43-226 L. Cal.
convexa (Lec.) 59-14⁵⁹ Kan.-L. Cal.
 [Mex.]

Argoporis

- apicalis Blais. 43-234 L. Cal.

Elcodes

- rossi Blais. 43-241 L. Cal.
 marthae Blais. 43-243 L. Cal.
 mexicana Blais. 43-246 L. Cal.
 simondsi Blais. 43-247 L. Cal.
 striatipennis Blais. 42-134 Nev.
 MELANELEODES Blais. 09-33
halli Blais. 41-37 Ariz.

- BLAPYLIS Horn 70-301
oregona Blais. 41-157 Ore.

- * LITHELEODES Blais. 09-34⁶⁰
extricata Say 23-261 Ariz. Tex.-Can.
s. convexcicollis Blais. 09-123⁶⁰ Wyo.
 [Mont.]
s. arizonensis Blais. 09-116⁶⁰ Ariz.
s. utahensis Blais. 21-131⁶⁰ Utah
s. frigida LaRiv. 43-54 Nev.
s. cognata Hald. 52-376⁶⁰ Ariz. Utah
arcuata Csy. 84-47 Ariz.
granulata Lec. 57-50 Ore. Cal.
s. obtusa Lec. 61-352⁶⁰ Cal.
s. aspera Lec. 66-115⁶⁰ Colo.
 ?*subaspera* Sol. 48-246⁶⁰
vandykei Blais. 09-136 Cal.
s. modificata Blais. 21-131⁶⁰ B. C.
s. parvula Blais. 09-137⁶⁰ Ore. Ida.
s. similis Blais. 42-142⁶⁰ Ore.
letcheri Blais. 09-133 Nev. Ida.
corvina Blais. 21-224 Cal.
papillosa Blais. 17-226 Cal.
tuberculata Blais. 09-131⁶⁰

Trogloderus Lec. 79-2⁶¹

- * *costatus* Lec. 79-3
s. costatus s. str. Ida.-Ariz. Cal.
s. nevadus LaRiv. 42-437⁶¹ Nev. Cal.

⁵² Nunenmacher—46 uses Mulsantina Weise, in error.

⁵³ Nunenmacher—46.

⁵⁴ Blaisdell—43.

⁵⁵ La Rivers—47; revision of genus.

⁵⁶ Parsons in litt.

⁵⁷ Blaisdell—45; revision of genus.

⁵⁸ Blackwelder—45.

⁵⁹ Transferred from Euschides by Gebien—37.

⁶⁰ Blaisdell—42; revision of subgenus.

- s.vandykei LaRiv. 46-41⁶¹ Cal.
s.tuberculatus Blais. 09-479⁶¹ Cal.
- Branchus** Lec. 62-223 (not 63-222)⁵⁶
floridanus Lec. 62-224 (not 66-111)⁵⁶
- Ensattus**
(*Conipinus* Lec. 62-223, not 63-
[223])⁵⁶ Mex. L.Cal.⁶²
sculptus Champ. 92-510
- Coniontides**
keiferi Blais. 43-189 L.Cal.
- Coniontis**
lariversi Blais. 41-131 Nev.
- Coniontellus**
inflatus Csy. 90-389 Nev.
hystrix Csy. 08-142⁶³
longipennis Csy. 08-143⁶³
ampliatius Csy. 08-144⁶³
- Cœlus**
gracilis Blais. 39-16 Cal.
- Blapstinus**
vandykei Blais. 42-136 Cal.
densipunctatus Blais. 43-256 L.Cal.
- Conibius**
oblongus Blais. 43-257 L.Cal.
- Tonibius**
rossi Blais. 43-260 L.Cal.
- Ephalus** Lec. 62-227 (not 62-229)⁵⁶
- Echocerus**
breviceps Blais. 43-266 L.Cal.
- Aphanotus** Lec. 62-233 (not 66-233)⁵⁶
- Cynaus** Lec. 62-233 (not 66-233)⁵⁶
angustus Lec. 51-149 Tex. Cal. Wash.⁶⁴
- Tribolius**
destructor Uytt. 33-xii⁶⁵ Cal.⁶⁶ Eur.
- Palorus** Muls. 54-250^{66a}
* PALORUS s.str.
ratzeburgi (Wissm.) 48-77
CIRCOMUS Fleisch. 00-236^{66a}
subdepressus (Woll.) 64-499
melinus of authors (not Hbst.)^{66a}
depressus of authors (not Fab.)^{66a}
- Tharsus** Lec. 62-233 (not 66-233)⁵⁶
seditiosus Lec. 62-233 (not 66-122)⁵⁶
- Xylopinus** Lec. 62-230 (not 66-230)⁵⁶
- Prateus** Lec. 62-238 (not 66-238)⁵⁶
fuscus Lec. 62-238 (not 66-131)⁵⁶
- Amphidora**
subdeplanata Blais. 43-252 L.Cal.
- Helops**
sparsus Blais. 43-274 L.Cal.
- Lariversius** Blais. 47-59
tibialis Blais. 47-61 Nev.

SERROPALPIDÆ

- Prothalphia** Lec. 62-251 (not 62-252)⁵⁶
- Scotochroa** Lec. 74-275⁶⁷
* atra Lec. 74-274 N.H. Mich.
buprestoides (Kby.) 37-240⁶⁸ Nfld.-N.Y.
basalis Lec. 74-275 Nfld. Mich. Colo.-
[B.C.]
- Scotochroides** Mank 39-183
antennatus Mank 39-183 N.H.-Pa.
- Serropalpus** Hellen. 86-311⁶⁷
* substriatus Hald. 48-98 Me.-Minn. Cal.
[Alas.]
obsoletus Hald. 48-98 Mich. Ore. B.C.
(barbatus Schall. not N.Amer.)⁶⁷
coxalis Mank 39-239 Me.-Minn. Alas.
- Neoscraptia** K.Fend. 46-67 Ore.
testacea K.Fend. 46-67
- Anelpistus** Horn 70-88⁶⁹
* americanus Horn 70-88 N.H.
canadensis Mank 42-190 B.C.
(**Seotodes** Esch. Not N.Amer.)⁷⁰

PTINIDÆ

- Mezium**
affine Boield. 56-674 Can.
americanum of Brown 40-117⁷¹
- Epaulæcus** M. & R. 68-198
(*Epaulæcus* Pic 12-12)⁷²
(*Tipnus* Thoms. 63-141, not
DuVal,⁷² not Boield.)⁷¹
unicolor P. & M. 82-67 N.S. N.B.
crenatus Fab. 92-240^{71 72}
- Eurostus** M. & R. 68-49
hilleri Rtttr. 77-378 N.B.-Ont. B.C. Eur.
alienus Brown 40-119⁷¹
- Psendeurostus** Heyden 06-424
(*Eurostus* M. & R. 68-185)⁷³
(not Dallas, 1851; Duméril, 1853)
- Ptinus**
ocellus Brown 29-109
pilosus of authors⁷²
tectus of authors⁷²
latro Fab. 75-63 Can. Cosmop.
hirtellus Sturm 37-80
testaceus Oliv. 90-9⁷¹
(not Thunberg, 1784)
brunneus Duft. 25-65⁷¹
testaceus Brown 44-10

ANOBIIDÆ

- Utobium**
marmoratum Fisher 39-26 Ore.

⁶¹ La Rivers—42; key to species.⁶² Blaisdell—43.⁶³ La Rivers—47.⁶⁴ Hatch—40.⁶⁵ Placed in *Aphanotus* by Blaisdell—42.⁶⁶ Blaisdell—42.^{66a} Chapin in litt.⁶⁷ Mank—39; revision of genus.⁶⁸ Valid species, Mank—39.⁶⁹ Valid genus, Mank—42.⁷⁰ Mank—42.⁷¹ Brown—44.⁷² Brown—40.⁷³ Heyden—06.

Neogastrallus

librinocens Fisher (not libronocens)

Vrilletta(Vrilletta VanD. 46-85)
californica Fisher 39-175
montana VanD. 46-85Cal.
Cal.**Euvrilletta** Fall(Euvrilletta VanD. 46-85)
texana VanD. 46-85

Tex.

Xyletinusgrossus VanD. 46-86
sequoie VanD. 46-87Cal.
Cal.**BOSTRICHIDÆ***BOSTRICHINI*

Xyloperthina

Tetraprioceralongicornis Oliv. 90-15⁷⁴**Xylobiops** Csy.basilaris Say
basillare Leng 20-244⁷⁵
parilis Lesne
perilis Leng 20-244⁷⁵**Xylomeira** Lesne 01-502⁷⁶torquata Fabr. 01-382 W.I.⁷⁶ Fla.⁷⁵
floridana Horn 85-155⁷⁵
?tridens Fabr. 92-362⁷⁵

* * *

Dendrobiellaaspera Lec. 58-73⁷⁵
sericans Lec. 58-73 Tex.-L.Cal.
pubescens Csy. 98-67⁷⁵**Amphicerus**cornutus Pallas 72-8 (not 72-18)⁷⁵
hamatus Fabr. 87-33⁷⁵ N.A. Cuba
aspericollis (Germ.) 24-465⁷⁵
bicaudatus (Say) 24-320⁷⁵
serricollis (Germ.) 24-464⁷⁷**Lichenophanes** Lesne 99-457 (not 98-457)⁷⁵mitchleri Belkin 40-192 N.J.
angustus Csy. 98-72⁷⁵
(not Steinheil, 1873)
californicus Horn 78-546 (not 78-456)⁷⁵
bicornis Weber 01-91⁷⁷ Conn.-Fla.-Ind.
bicornis Say 23-319⁷⁵**Bostrichus** Geoff. 62-301⁷⁸

* capucinus L. 58-355 N.J., Eur.

Dinoderus Steph. 30-352⁷⁸* brevis Horn 78-550 La. Orient
minutus Fab. 75-54 Fla. Cosmop.⁷⁴ Not a synonym of tridens, Belkin-40.⁷⁵ Belkin-40.⁷⁶ Blackwelder-45.⁷⁷ Transferred from Bostrichus by Belkin-40.⁷⁸ Revision of genus, Belkin-40.⁷⁹ Distinct species, Belkin-40.⁸⁰ Key to nigricornis-group, Robinson-41.⁸¹ Lane-47.*POLYCAONINI***Polycaon** Lap. 36 30(Exops Curt. 39-204)⁷⁵
(Allvoenemis Lec. 53-232)⁷⁵
punctatus Lec. 66-102⁷⁹
pubescens Lec. 66-102⁷⁵**Heterarthron** Guér. 44-186(Exopioides Guér. 45-17)⁷⁵
(femorale Fabr. 92-361 not N.Am.)⁷⁵
(gonagrum Fabr. 98-156 not N.Am.)⁷⁵
excusum Lec. 58-74⁷⁹ L.Cal. C.A.**Psoa**quadrisignata Horn 68-135 Cal.
cleroides Lesne 13-273 Cal.**SCARABÆIDÆ****Canthon**^{80 82}imitator Brown 46-104
s.imitator s.str. Okla. Tex.
s.floridanus Brown 46-105 Fla.
granulifer Schm. 24-126 Tex.
bispinatus Robinson 41-128 R.I.-Fla.
(pilularius (L.) 58-349 not N.Am.)⁸¹
hudsonias (Forst.) 71-3
leve (Drury) 73-2⁸¹**Ateuchus** Weber 01-10⁸³(Charidium Serv. 25-356)⁸³**Copris**

cartwrighti Robinson 41-131 N.C. S.C.

Phanaeus M'Leay 19-124⁸⁴* pluto Harold 63-164 Ariz. Mex.
quadridens (Say) 37-176 Ariz. Mex.
vindex M'Leay 19-133s.vindex s.str. e.U.S.
s.cyanellus Robinson 38-107 Fla.
s.rubervirens Robinson 48-301 Ariz.
difformis Lec. 48-86s.difformis s.str. Kan.-Tex.
s.magnificens Robinson 48-302 Fla.
triangularis Say 23-206 S.C.-Tex.torrens Lec. 47-85
s.torrens s.str. Ky.-Kan.
s.niger (d'Ols.) 24-95 Miss. La. Mex.igneus M'Leay 19-133
s.igneus s.str. N.C.-Fla.
s.floridanus (d'Ols.) 24-94 Fla.mexicanus Harold 63-171 Ariz. Mex.
amithaon Harold 75-88 Ariz. Mex.**Onthophagus**aciculatulus Blatch. 28-128
alutaceus || Blatch. 19-31⁸⁵
aciculatus L. & M. 33-38⁸⁵subopacus Robinson 40-142 Ariz.
lecontei Schffr. 14-298
(not Harold, 1868)**Aphodius**⁸⁸manitobensis Brown 28-302 Man. Pa.⁸⁶
guttatus Esch. 23-97 Lab. Vt. Alas.⁸⁶⁸² Discussion of generic synonymy, Lane-47.⁸³ Chapin-46.⁸⁴ Revision of genus, Robinson-48.⁸⁵ Chapin in litt.⁸⁶ Robinson-47.⁸⁷ Robinson-39.⁸⁸ Synoptic key to species, Saylor-40.

- bicolor Say 23-212
comanchi Robinson 40-146 ⁸⁶
goffi Cart. 39-354 Fla.
geomysi Cart. 39-356 Fla.
windsori Cart. 39-357 S.C.
brimleyi Cart. 39-357 N.C. S.C.
robinsoni Cart. 39-359 N.J.
odocoilis Robinson 39-24 N.J.
crassulus Sim 30-142 ⁸⁷
 (not Horn, 1870)
lanei Saylor 40-103 Wash.
caseyi Saylor 40-104 Ore.
pullmani Saylor 40-104 Wash.
inermis Robinson 40-147 Utah
sayloræa Robinson 40-147 Ariz.
serval Say
s.pennsylvanicus Rob. 40-148 N.J. Pa.
serval of Sim 30-143
subcarinatus Robinson 46-50 Utah
cressoni Robinson 46-51 Neb.
oviformis Robinson 46-53 Cal.
constrictus Robinson 46-54 Wash.
piceatus Robinson 46-55 B.C.
mcdonaldi Robinson 46-56 Pa.
 PLATYDERIDES Schm. 16-99
 (*Platyderus* Schm. 14-122, not
 [Steph.])
yavapai Robinson 46-52 Ariz.
excavatus Robinson 40-143 Utah
magnificens Robinson 40-144 Okla.
transversus Robinson 40-144 Ariz.
atwateri Cart. 44-150 Tex.
 * * *
aculeatus Robinson 40-143 Utah
rossi Cart. 44-130 Tex.
kirni Cart. 44-131 Tex.
acuminatus Cart. 44-133 Tex.
sepultus Cart. 44-146 Tex.
captivus Cart. 44-147 Tex.
floridanus Robinson 47-169 Fla.
inyoensis VanD. 47-158 Cal.
fenyesi VanD. 47-159 Ariz.
- Oxyomus**
silvestris Scop. 63-5 Wash. ⁸⁹ Eur.
opacifrons Horn 71-284 ⁸⁹
porcatus Fab. 98-22 ⁸⁹
- Atænius**
spretulus (Hald.) 48-106
consors Fall 30-104 ⁹⁰
falli Hntn. 34-119 ⁹⁰
strigatus (Say) 23-212 ⁹¹
salutator Fall 30-99 Fla. W.I.
darlingtoni Hntn. 37-179 ⁹²
miamii Cart. 34-200
havanensis Balth. 38-55 ⁹³
saramari Cart. 39-360 Fla.
convexus Robinson 40-149 Tex.
linelli Cart. 44-28 Fla.
saxatilis Cart. 44-29 N.C.-Ga.
- Dialytes**
umbratus Balth. 41-89 Can.
- Psammobius** ⁹⁴
shermani Cart. 46-89 S.C. Ga.
malkini Cart. 46-90 Fla.
- Pleurophorus**
caesus (Creutz.) Ore. N.Y. Wash. ⁸⁹
- Kolbeus** Bouc. 11-335
 * *hornii* (Rivers) 86-61 ⁹⁵ Cal.
minor (Linell) 95-723 ⁹⁵ Tex.
- Bolboecras**
angulus Robinson 47-170 Tex.
- Odontæus** Klug
 (*Odontæus* Lins. & Mich. 43-79)
- Bolboecrosoma**
quadricornum Robinson 41-132 Tex.
- Eucanthus**
lazarus (Fab.)
v.alutaceus Cart. 44-30 Miss. Ala. Ga.
- Geotrupes**
(occidentalis Horn not N.Am.) ⁹⁶
- Pleocoma** ⁹⁷
lucia Linsley 41-145 Cal.
nitida Linsley 41-147 Cal.
puncticollis Rivers 89-17 L. Cal. ⁹⁸
venturæ Linsley 45-110 Cal.
- Trox**
affinis Robinson 40-158 ⁹⁹ N.Y.-Va.-Cal.
 TROX s.str.
variolatus Melsh.
erinaceus Lec. 54-212 ¹
s.monticola Robinson 40-158 Me.-Pa.-
foveicollis Harold 72-181 [Utah
insularis Chev. 64-416 ¹ Ariz.
plicatus Robinson 40-153 Tex.
contractus Robinson 40-153 N.J.-Ga.
hamata Robinson 40-153 Mich.
spinulosus Robinson 40-156 Ariz.
dentibius Robinson 40-156 Ark. Mo.
aculeatus Robinson 40-156 N. J. Pa. Va.
simi Robinson 40-157 OMORGUS Er. 48-932
integer Lec. 54-216 ²
oligonus Loomis 22-133 ¹
oligomis Leng & M. 27-38 ¹
texanus Lec. 54-214 ²
suturalis Lec. 54-214 ²
umbonatus Lec. 54-214 ²
platycyphus Loomis 22-133 ¹ Ariz.
tesselatus Lec. 54-216 ² N.M.
nodosus Robinson 40-152 L. Cal.
nigrescens Robinson 41-134 Utah
confluentus Robinson 41-134 Tex.
fuliginosus Robinson 41-134 Pa.
tytus Robinson 41-228
- Serica**
 (*Serica* Saylor 36-4) ³
pruinipennis Saylor 36-4
pruinipennis of 4th suppl.
pruinosa Sayl. 35-2 ³

⁸⁹ Hatch—46.

⁹⁰ Cartwright—43.

⁹¹ Distinct species, Cartwright—43.

⁹² Cartwright—45.

⁹³ Chapin—40.

⁹⁴ This spelling used instead of *Psammobius* by Cartwright—46.

⁹⁵ Transferred from *Bolboecras* by Chapin—46.

⁹⁶ Bradley—44.

⁹⁷ Key to species, Linsley—46.

⁹⁸ Linsley—41.

⁹⁹ Described as a subspecies of *æqualis* Say.

¹ Robinson—40.

² Listed as valid species by Robinson—40.

³ Saylor—40.

- alleni* Saylor 39-457 Cal.
mendota Saylor 39-457 Cal.
chicoensis Saylor 39-458 Cal.
sandiegensis Saylor 39-458 Cal.
searli Saylor 39-459 Cal.
cuyamaca Saylor 39-459 Cal.
craighead Saylor 39-55 L. Cal.
cruzi Saylor 39-55 Sta. Cruz I. (Cal.)
joaquinella Saylor 39-56 Cal.
oliver Saylor 39-56 Cal.
elmontea Saylor 39-56 Cal.
watsoni Saylor 39-58 Cal.
arkansana Dawson 47-223 Ark.
atratura Lec. 56-274 Tex. Okla.
s.monita Dawson 47-226 Tex. Okla. La.
contorta Dawson 47-227 Tex. Ark. Okla.
amula Dawson 47-228 Tex.
anthracina Lec. 56-276 S. D -N.M.-Cal.-
frontalis Lec. 56-276⁴ [B.C.]
robusta Lec. 56-276⁴
valida Harold 69-123⁴
crassata Walk. 66-323⁴
satrapa Dawson 47-231 Cal.
concinna Dawson 47-232 Ariz.
subnisa Dawson 47-233 Cal.
catalina Dawson 47-234 Cal.
- Diptotaxis**
nigra Cart. 39-361 Okla.
dahli Cazier 40-251 Cal.
cribrulosa Lec. 56-270 Tex.-Ariz.
popino Csy. 85-179⁵
impressifrons Cazier 40-127 Cal. Ore.
saylori Cazier 40-128 Ariz.
æqualis Cazier 40-129 Ariz.
fulgida Cazier 40-130 Tex.
acononicus Cazier 40-131 Ariz.
aulacochela Cazier 40-131 Tex.
ungulatus Cazier 40-132 Ariz.
persisæ Cazier 40-133 Ariz.
parkeri Cazier 40-133 Ariz.
microps Cazier 40-134 Ariz.
recticanthus Cazier 40-135 Ariz.
brevicornis Cazier 40-136 N.M.
arta Cazier 40-136 Cal.
ungula Cazier 40-137 Tex.
fulva Robinson 46-58 Utah
- Triodonyx** Saylor 42-158
 * *ecostata* (Horn) 87-284⁶ Tex.
- Phyllophaga**⁷
fucata Horn 87-278
linsleyi Saylor 36-4⁸
torta Lec. 56-239 Tex. N.M. Mex.
dampfii Arrow 37-148⁸
vetula Horn 87-274 N.M. Ariz. Mex.
longipilosa Bates 88-209⁸
lenis Horn 87-287 Ariz. Cal. Mex.
anodentata Bates 88-208⁸
rubricosa Reinh. 39-47 Tex.
renodis Reinh. 39-48 Tex.
plena Reinh. 39-49 Tex.
ephilida (Say)
s.virilis Reinh. 39-51 Tex.
sacoma Reinh. 39-52 Ark. Tex.
- curialis* Reinh. 39-54 Tex.
pudorosa Reinh. 39-55 La. Tex.
opacita Reinh. 39-56 Tex.
tristis (Fab.)
s.tristis s.str. e.St.-B.C.
s.apicata Reinh. 39-58 Md.-Ga.-Tex.
s.suttonana Reinh. 39-59 Tex.
s.amplicornis Reinh. 39-59 Tex.
reevesi Saylor 39-89 Cal.
xerophila Saylor 39-89 Cal.
rossi Saylor 39-452 Ariz.
chippewa Saylor 39-455 Minn.
ovalis Cart. 39-353 Fla.
sodalis Reinh. 40-4 Tex.
aurea Lug. & Paint. 41-716 Okla.
yemasseei Cart. 44-30 S.C.
tecta Cart. 44-32 Fla.
marginalis Lec.
v.insolita Cart. 44-33 Ala.
zavalana Reinh. 46-69 Tex.
hubbelli Cart. 46-10 Ala. Ga.
georgiana Schffr. 09-382
ducalus Robinson 38-110⁹
sylvatica Sandn. 42-49 Ga.-Neb.
inopia Sandn. 42-51 Ariz. Mex.
incuria Sandn. 42-53
texana Sandn. 37-16
ravida Blanch. 50-136 (C.A.)
s.guatemalica Moser 18-24 Tex.¹⁰ C.A.
gravidula Moser 21-247
perita Sandn. 37-14¹⁰
onchophora Chpn. 32-184 Cuba, Ga.
 PHYLLOPHAGA s.str.
temora Saylor 43-135 Tex. Mex.
 TOSTEGOPTERA Blanch.¹¹
lanceolata Say 23-242
arizona Bloeker 36-55⁸
grisiana Bloeker 36-56⁸
cazieri Bloeker 36-57⁸
 EUGASTRA Lec.¹¹
 * LISTROCHELUS Blanch.^{11 12}
miriflora Saylor 40-72 L. Cal.
densicollis (Lec.) 63-77 L. Cal.
carminator (Horn) 94-398 L. Cal.
micelbacheri Saylor 40-76 L. Cal.
pilosipes Saylor 40-76 L. Cal.
puberulus (Lec.) 63-78 (not DuVal)¹²
peninsularis Saylor 40-77 L. Cal.
trochanter Saylor 40-78 Ariz.
gracilis (Horn) 85-123 (not Burm.)¹²
scoparia (Lec.) 56-264 Ariz. Mex.
disparilis (Horn) 78-141 Colo.-Ariz. Mex.
huachuca Saylor 40-82 Ariz. Mex.
chapini Saylor 40-84 N.M. Ariz.
flavipennis (Horn) 85-123 N.M. Ariz.
granti Saylor 40-85 Ariz. Mex.
mucoera (Lec.) 56-263 Kan. Tex.-Cal.
texanus (Lec.) 56-263¹² [Mex.]
obtusus (Lec.) 56-264¹²
pulcher (Linell) 96-730 Tex.
reinhardi Saylor 40-89 Tex.
plena (Fall) 32-199 Ariz.
opacicollis (Horn) 78-145 N.M. Utah Ariz.
tarsalis (Schffr.) 08-319 N.M. Ariz.
scuticeps (Bates) 88-171 Tex. Mex.

⁴ Dawson—47.⁵ Cazier—40.⁶ Transferred from Phyllophaga by Saylor—42.⁷ Boving—42, gives a regrouping of the N.A. species, breaking up Horn's groups; also key to known larvae.⁸ Saylor—39.⁹ Robinson—47.¹⁰ Sanderson—42.¹¹ Treated as a subgenus by Saylor—42.¹² Saylor—40; revision of subgenus.

- fimbripes (Lec.) 56-264 Neb.-Tex.-Ariz.
falsa (Lec.) 56-264 Kan.-N.M.-Cal.
langeri Chpn. 34-93¹²
s.nogales Saylor 40-99 Ariz.
koehleriana Saylor 40-99 Tex. N.M.
neomexicana Saylor 40-101 N.M.
parilis (Bates) 88-172 Tex. Mex.
cavata (Bates) 88-170 N.M. Mex.
micros (Bates) 88-170 Colo. Mex.
cochisa Saylor 40-105 Ariz. Mex.
texensis Saylor 40-106 Tex.
wickhami Saylor 40-107 Tex.-Ariz.
cushmani Saylor 40-109 Tex.-Ariz. Mex.
macmurryi Saylor 40-110 Okla. Tex.
duncani (Barrett) 33-129 Ariz.
arizona Saylor 40-112 Tex.-Ariz.
timida (Horn) 78-146 Ariz.
snowi Saylor 40-114 Ariz.
senex (Horn) 78-148 Tex. N.M.
* * *
luginbilli Saylor 41-145 N.M.
pleroma Reinh. 40-5
plena Reinh. 39-49 (not Fall)
CHLENOBIA Blanch.¹¹
PHYTALUS Er.^{11 13}
ægrotus Bates 88-182 Tex. C.A.¹⁰
- Polyphylla** Harris 42-30^{14 15}
* cavifrons Lec. 54-222 Ariz. Cal. Mex.
squamiventris Cazier 39-199 Tex.
hammondi Lec. 56-228 Ill.-Tex.-Ariz.
squamicauda Csy. 14-324¹⁵
molesta Csy. 14-324¹⁵
verecunda Csy. 14-325¹⁵
oblita Csy. 14-326¹⁵
impigra Csy. 14-326¹⁵
subvittata Lec. 56-229¹⁵
bisinuata Csy. 14-327¹⁵
sejuncta Csy. 14-328¹⁵
proba Csy. 14-329¹⁵
diffusa Csy. 14-329¹⁵
pimalis Csy. 14-330¹⁵
oklahomensis Hatch 26-145¹⁵
hirsuta VanD. 33-116 Ariz.
diffracta Csy. 89-17 N.M. Ariz.
fuscula Fall 08-161¹⁵
adjusta Csy. 14-331¹⁵
uteana Tanner 28-276 Utah
rufescentia Tanner 28-276 Utah
opposita Csy. 14-330 ?Ore.
barbata Cazier 38-161 Cal.
rugosipennis Csy. 14-336 Ariz. Cal.
lavicauda Csy. 14-338¹⁵
sobrina Csy. 14-339 Cal.
alleni Cazier 39-201 Ariz.
crinita Lec. 56-230 Cal.-Wash.
nigra Csy. 14-334¹⁵
mystica Csy. 14-334¹⁵
incolumis Csy. 14-335¹⁵
relicta Csy. 14-336¹⁵
robustula Csy. 14-336¹⁵
ona Blöcker 40-148¹⁵
santarosæ Blöcker 40-149¹⁵
santacruzæ Blöcker 40-149¹⁵
martini Blöcker 40-150¹⁵
arguta Csy. 14-339 Utah
- speciosa Csy. 89-17 Colo. N.M.
acomana Csy. 14-342¹⁵
latifrons Csy. 14-340¹⁵
decemlineata (Say) 23-246 Kan.-Cal.-
parilis Csy. 14-345¹⁵ [Wash.
laticauda Csy. 14-345¹⁵
reducta Csy. 14-346¹⁵
pacifica Csy. 95-607¹⁵
squamotecta Csy. 14-343¹⁵
rupicollis Csy. 14-346¹⁵
castanea Csy. 14-347¹⁵
oregona Csy. 14-348¹⁵
perversa Csy. 14-348¹⁵
modulata Csy. 14-333¹⁶ Ore.
comstockiana Blöcker 40-150¹⁵
matrona Csy. 14-350 Ariz.
occidentalis (L.) 67-555 Va.-Fla.
variolosa (Hentz) 40-256 Me.-N.J.
comes Csy. 14-352 Ky.
gracilis Horn 81-73 Fla.
pubescens Cart. 39-362 Fla.
* * *
peninsularis VanD. 43-103 L.Cal.
nubila VanD. 47-160 Cal.
diffracta Csy. N.M.
s.arida VanD. 47-161 Utah
- Thyce**
aurata VanD. 43-105 Cal.
cinerea VanD. 43-106 Cal.
clypeata VanD. 43-107 Cal.
- Phobetus**
comatus Lec. 56-227 Cal. Ore.
s.robinsoni Saylor 39-54 Cal.
- Dichelonyx** Harris 26-6^{17 18}
* elongata (Fab.) N.Eng.-Kan.-Can.
elongatula (Schönh.)¹⁷
hexagona (Germ.)¹⁷
linearis (Gyll.)¹⁷
virescens (Kby.)¹⁷
subvittata Lec. N.Eng.-Can.
diluta Fall Mass.-Va.-Mich.
testacea Kby. Vt.-Mo.-Mont.
testaceipennis Fall N.M.
canadensis Horn Can.
backii Kby. Wyo.-Colo.-Cal.
s.arizonica Barrett¹⁷ Ariz.
fulgida Lec.
s.fulgida s.str. Nev. Cal.-Wash.
s.crotchi Horn¹⁷ Nev. Cal.
s.oregona VanD.¹⁷ Ore. B.C.
s.mormona Fall¹⁷ Utah
vandykei Saylor Cal.
nana Fall Cal.
fuscula Lec. N.J.-Ohio
muscula Fall Cal.
vaga Fall Nev. Cal.
pallens Lec. Cal.
longiclava Fall¹⁷
robusta Fall Cal. Ore.
clypeata Horn Cal.
truncata Lec. Utah. Cal.
picea Horn L.Cal.
pusilla Lec. Cal. L.Cal.
decolorata Fall Cal.

¹³ Footnote # in 4th Suppl. should read Saylor —39, not Sanderson—39.
¹⁴ Key to Canadian species, Brown—40.
¹⁵ Cazier—40; revision of genus.

¹⁶ Originally described as a subspecies of decemlineata Say.
¹⁷ Saylor—45; key and revision.
¹⁸ Brown—46; key to eastern species.

- lateralis* Fall Nev. Cal.
valida Lec. Cal. Ore.
vicina Fall Nev. Cal. Ore.
 s.columbiana Hopp.¹⁷ Ida. B.C.
 deserta Hopp.¹⁷ 19
sulcata Lec. Colo. N.M. Ariz. Mont.
 s.arizonensis Saylor Ariz.
albicollis (Burm.) * * * N.B.-Mich.
- kirbyi* Brown 46-107 Man. Alb. Neb.
 testacea of authors¹⁸ [Mont.
- elongatula* Schönh. 17-210
 elongata Fab. 92-170¹⁸
 (not Olivier, 1789)
 virescens Kby. 37-134¹⁸
 elongata of authors (in part)¹⁸
- linearis* (Gyll.) 17-103
 hexagona Germ. 24-124¹⁸
 virescens Kby. 37-134¹⁸
 testacea Kby. 37-135¹⁸
 elongata of authors (in part)¹⁸
- Cocononycha** Horn 76-192²⁰
 fuga Cazier 43-12 Cal.
 purshiae Cazier 43-13 Cal.-Wash.
 ampla Cazier 43-14 Cal.
 hageni Cazier 43-15 Cal.
 acuta Cazier 43-15 Cal.
 pallida Cazier 43-18 Cal.
 lurida Cazier 43-19 Cal.
 barri Cazier 43-19 Cal.
 saylori Cazier 43-20 Cal.
 bowlesi Cazier 43-20 Cal.
 mediata Cazier 43-21 Cal.
 rubida McClay 43-21 Ariz.
 scotti McClay 43-22 Cal.
 clypeata McClay 43-22 Cal.
 fulva McClay 43-23 Cal.
 fusca McClay 43-24 Cal.
 utahensis McClay 43-24 Utah
 globosa McClay 43-25 Wash.
 crispata McClay 43-26 Cal.
 ovatis McClay 43-27 Cal.
 pascuensis Potts 45-141 Cal.
- Gymnopyge**
 hirsuta Cazier 39-17 Cal. Ariz.
- Hoplia**²¹
 cazieri Boyer 40-8 Nev.
 ferrisi Boyer 40-10 Pa.
 humboldtensis Boyer 40-12 Cal.
 meridionalis Boyer 40-14 S.C. Fla.
 oregona Lec.
 s.deserticola Boyer 40-20 Nev. Cal.-
 [B.C. Utah
 utahensis Boyer 40-24 Utah
 callipyge Lec. 56-285
 pubicollis Lec. 56-285²²
 oregona Lec. 56-284²²
 convexula Lec. 56-285²²
 irrorata Lec. 57-40²²
- mutata* G. & H. 69-1113²²
lecontei DallaT. 13-376²²
- ANOMALINI²³
- Pachystethus**
 floridana Robinson 41-133 Fla.
- Rhombonafia**
 adscita Robinson 41-132 Ariz.
- Anomala** Sam. 19-191
 (*Anomala* Rex 41-5)
 (*Anamola* Rex 41-17)
 * * *
- Cotalpa** Burm. 44-423²⁴
 * CIOCOTALPA Saylor 40-191
 consobrina Horn
 COTALPA s.str.
 suberibrata Wickh.
 flavida Horn
 lanigera Linn.
 vernica Csy.²⁴
 molaris Csy.²⁴
 tau Wickh.²⁴
 s.obesa Csy.²⁴
- Paracotalpa** Ohaus 15-256²⁵
 * (*Pocalta* Csy. 15-92)²⁵
 deserta Saylor 40-195 Cal.
 granicollis Hald.
 pubicollis Csy.²⁵
 puncticollis Lec.
 ursina Horn
 laevicauda Csy.²⁵
 brevis Csy.²⁵
 s.piceola Saylor 40-197 Cal.
 s.rotunda Csy.²⁵
 seriata Csy.²⁵
 s.rubripennis Csy.²⁵
- Dynastinae
- CYCLOCEPHALINI²⁶ 28
- Ancognatha** Er. 47-97
 * *manca* (Lec.) 66-382 N.M. Ariz. Mex.
 aequata Bates 88-297²⁷
 perspicua Csy. 15-126²⁷
 zuniella Csy. 15-127²⁷
 durangoana Csy. 15-125²⁷
 lavigata Bates 88-297²⁷
- Coscinocephalus** Prell 36-145²⁶
 * (*Anoplocephalus* Schffr. 06-259)²⁶
 cribrifrons (Schffr.) 06-260 Ariz.
- Dyscinetus** Harold 69-123²⁶
 * (*Chalepus* M'Leay 19-149)²⁶
- ¹⁷ Saylor—45; key and revision.
¹⁸ Brown—46; key to eastern species.
¹⁹ Listed under *vicina*, Saylor—39.
²⁰ Cazier & McClay—43; key and revision.
²¹ Boyer—40; key and revision.
²² Chapin—46.
²³ Key to larvae, Ritcher—43.
²⁴ Saylor—40; revision.
²⁵ Saylor—40; revision and key.
²⁶ Saylor—45; revision and key to genera.
- ²⁷ Saylor—45; the implication in this paper that Saylor has dissected all the Casey Scarab types is very misleading. Less than a third of the holotypes (or species) have been dissected by anyone. Since Saylor states that "it is necessary to dissect and compare the male genitalia in order properly to place many of the troublesome variants," his synonymy must be considered as inconclusive.
²⁸ Key to Arkansas genera and species (males), Sanderson—40.

- (*Palechus* Csy. 15-174)²⁶
morator (Fab.) 99-24 e.st.-Tex.
trachypygus Burm. 47-79²⁷
discedens Csy. 15-171²⁷
borealis Csy. 15-171²⁷
- picipes* (Burm.) 47-79 Kan.-Cal. Mex.
obsoletus (Lec.) 54-222²⁷ [W.I.]
geminatus (DuVal) 56-127²⁷
ebeninus Csy. 15-169²⁷
subquadratus Csy. 15-166²⁷
gilianus Saylor 45-380
gilanus Csy. 15-168²⁷
lavissimus Csy. 15-167²⁷
puncticauda Csy. 09-282²⁷
punctipes Bates 88-312²⁷
- Cyclocephala** Latr. 29-552²⁶
 * (*Spilosota* Csy. 15-112)²⁶
 (*Ochrosidia* Csy. 15-112)²⁶
 (*Dichromina* Csy. 15-112)²⁶
- knobelæ* (Brown) 34-23 Ark.
dimidiata Burm. 47-57 Ark.-S.A.
ocularis (Csy.) 15-162²⁷
elegans Horn 71-337²⁷
- puberula* Lec. 63-80 Ga. Fla. Ala.
seditiosa Lec. 63-79 (not 56-79) Ga. Ala.
setidiosa Saylor 45-382
- hirta* Lec. 61-346 Utah. Tex.-L.Cal.-Cal.
palidissima Csy. 15-133²⁷
magister Csy. 15-132²⁷
inconspicua Csy. 15-133²⁷
nubeculina Csy. 15-131²⁷
lurida Bland 63-54²⁷
s.pilosicollis Saylor 36-2²⁷ Cal.
longula Lec. 63-79 Utah.-Ore.-L.Cal.
californica Arrow 37-9²⁷
abrupta (Csy.) 15-152²⁷
phasma (Csy.) 15-156²⁷
obesula (Csy.) 15-156²⁷
oblongula (Csy.) 15-156²⁷
rustica (Csy.) 15-157²⁷
reflexa (Csy.) 15-153²⁷
marcida (Csy.) 15-155²⁷
rugulifrons Csy. 15-154²⁷
prona (Csy.) 15-157²⁷
ambiens (Csy.) 15-155²⁷
nodulata (Csy.) 15-154²⁷
- robusta* Lec. 63-79 La. Ark. Tex.
nigricollis Burm. 47-54^{27 28}
subvittata (Brown) 30-5^{27 28}
nigrocollis Saylor 45-384
- pasadenæ* (Csy.) 15-148 Tex.-Cal. L.Cal.
arizonica (Csy.) 15-149²⁷
melina (Csy.) 15-149²⁷
pusilla (Csy.) 15-150²⁷
facilis (Csy.) 15-150²⁷
validiceps (Csy.) 15-148²⁷
ovatula (Csy.) 15-151²⁷
- borealis* Arrow 37-172 e.U.S.-Ark. Neb.
villosa Burm. 47-54²⁷
parallela (Csy.) 15-144²⁷
- immaculata* (Oliv.) 89-29 e.U.S.-N.M.
frontalis Sturm 43-116²⁷
rufifrons (Csy.) 15-145²⁷
tenuicutis (Csy.) 15-146²⁷
pagana (Csy.) 15-148²⁷
protenta (Csy.) 15-144²⁷
- Aspidolea** Bates 88-296²⁶
texana Höhne 12-84 ?Tex.
 * * *
- Dynastinae**
ORYCTINI²⁹
- Cheiroplatys** Hope 37-84²⁹
 * (*Orizabus* Fairm. 78-260)²⁹
 (*Pseudaphonus* Csy. 15-210)²⁹
 (*Iztecalius* Csy. 15-228)²⁹
- clunalis* (Lec.) 56-23 Tex.-Ariz. Mex.
verticalis Fall 05-272²⁹
ligyrodes (Horn) 85-125²⁹
sallei (Fairm.) 78-262²⁹
marginatus (Fairm.) 78-262²⁹
cultripes (Fairm.) 78-261²⁹
frontalis (Csy.) 15-226²⁹
pouderosa (Csy.) 15-228²⁹
parvitaris (Csy.) 15-227²⁹
snowi (Horn) 85-124²⁹
- pyriformis* (Lec.) 48-21 Colo. N.M.
ovalis (Csy.) 15-212²⁹
repens (Csy.) 15-212²⁹
debiliceps (Csy.) 15-213²⁹
lucidus (Csy.) 15-213²⁹
puncticollis (Csy.) 15-335²⁹
- isodonoides* (Fairm.) 78-263 Colo. Mex.
brevicollis (Prell) 14-204 L.Cal.Mex.
- Strategus** Hope 37-87²⁹
 * (*Anastrategus* Csy. 15-231)²⁹
 (*Strategodes* Csy. 15-245)²⁹
 (*Strategopsis* Chpn. 32-302)²⁹
 (*Scatophilus* Chpn. 32-302)²⁹
- julianus* Burm. 47-133 Miss.-S.A.
gaillardi Csy. 15-244²⁹
roosevelti Csy. 15-241²⁹
arizonicus Schffr. 15-47²⁹
tarisalis Csy. 15-243²⁹
- mormon* Burm. 47-130 Kan. Tex. Utah
splendens (Beauv.) 05-89 N.C.-Fla.
bosci (Beauv.) 05-89²⁹
carolinensis (Csy.) 15-237²⁹
cognatus (Csy.) 15-236²⁹
- cessus* Lec. 66-382 Ariz. N.M. Mex.
durangoensis (Csy.) 15-234²⁹
inflatus (Csy.) 15-234²⁹
tantalus (Csy.) 15-235²⁹
cavicauda (Csy.) 15-233²⁹
- antæus* (Drury) 73-74 R.I.-Fla.-Tex.
maimon (Fab.) 75-10²⁹
syphax Burm. 47-131²⁹
houstensis Knaus 25-182²⁹
atrolucens (Csy.) 15-247²⁹
pinorum (Csy.) 15-248²⁹
septentrionis (Csy.) 15-249²⁹
divergens (Csy.) 15-246²⁹
sinuatus (Csy.) 15-250²⁹
semistriatus (Csy.) 15-250²⁹
- Xyloryctes** Hope 37-90²⁹
 * *jamaicensis* (Drury) 73-74 e.U.S.-Ariz.
satyrus (Fab.) 75-12²⁹ [Jam.]
americanus (Beauv.) 05-75²⁹
faunus Csy. 95-609²⁹
hebes Csy. 15-257²⁹
lacustris Csy. 15-225²⁹
tenuicornutus Csy. 15-255²⁹
obsolescens Csy. 15-256²⁹

²⁹ Saylor—46; revision.³⁰ See notes under Cyclocephala, above.

- Ligyris** Burm. 47-542²⁹ 30
 * (*Tomarus* Er. 47-95)²⁹
 (*Ligyrodex* Csy. 15-178)²⁹
 (*Gryllus* Csy. 15-189)²⁹
 (*Anagryllus* Csy. 15-204)²⁹
 (*Ligyrellus* Csy. 15-206)²⁹
 (*Euligyris* Csy. 15-185)²⁹
relictus (Say) 25-194 R.I.-Neb.-Ariz.
clypealis (Csy.) 15-181²⁹
parviceps (Csy.) 15-182²⁹
quadripennis (Csy.) 15-182²⁹
vernicoilis (Csy.) 15-182²⁹
dawsoni (Csy.) 24-334²⁹
sallei Bates 88-318 Tex. C.A.
artecus Csy. 15-181²⁹
propinquus Csy. 15-183²⁹
cuniculus (Fab.) 01-20 ?U.S. C.A. S.A.
tumulosus (Burm.) 47-101²⁹ [W.I.
antillarum (Beauv.) 05-104²⁹
gibbosus (Deg.) 74-322 U.S. L.Cal. Mex.
variolosus (Burm.) 55-121²⁹
juvencus (Burm.) 55-121²⁹
morio (Lec.) 48-20²⁹
obsoletus (Lec.) 48-87²⁹
neglectus (Lec.) 48-87²⁹
puncticauda Csy. 15-195²⁹
arizonensis Csy. 15-201²⁹
brevipes Csy. 15-202²⁹
breviusculus Csy. 15-196²⁹
lacustris Csy. 15-196²⁹
californicus Csy. 15-203²⁹
laticollis Csy. 15-203²⁹
curtipennis Csy. 15-199²⁹
effetus Csy. 15-200²⁹
farctus Csy. 15-200²⁹
latulus Csy. 15-197²⁹
laxicauda Csy. 15-202²⁹
laticauda Csy. 15-197²⁹
longulus Csy. 15-193²⁹
parallelus Csy. 15-194²⁹
remotus Csy. 15-194²⁹
rubidus Csy. 15-198²⁹
lucublandus Csy. 15-199²⁹
scitulus Csy. 15-203²⁹
spissipes Csy. 09-293²⁹
texanus Csy. 15-195²⁹
virginicus Csy. 15-193²⁹
bicorniculatus Csy. 15-198²⁹
subtropicus Blatch. 22-30 S.C.-Fla.
blatchleyi Cart. 44-34²⁹
levicollis Bates 88-316 Ariz. L.Cal. C.A.
bryanti Rivers 91-97²⁹
- Oxygryllus** Csy. 15-208²⁹
 * (*Oxygryllus* Saylor 46-44)
ruginasus (Lec.) 56-20 N.M.-Cal. L.Cal.
peninsularis Csy. 15-209²⁹ [Mex.
- Aphonides** Rivers 15-230²⁹
 * (*Anoplognathus* Rivers 89-101)²⁹
dumnianus (Rivers) 89-102 Tex. Ariz.
- Euctheola** Bates 88-314²⁹
 * *rugiceps* (Lec.) 56-21 Ga.-Ky.-Tex.
subglabra (Schffr.) 09-383 Ariz. Mex.
 * * *
- Aphonus**
brevicruris Cart. 44-36 Tex.
- PHILEURINI**³¹
- Phileurus**³¹
truncatus Beauv. 07-41 Fla.-Mex.
recurvatus Csy. 15-266³¹
illatus Lec. 54-80 Ariz. Cal. L.Cal.
vitulus Lec. 66-80³¹
phoenicis Csy. 15-267³¹
puncticollis Csy. 15-268³¹
castaneus Hald. 44-304 Pa.-Fla.-Ariz.
texensis Csy. 15-268³¹
sulcifer Csy. 15-269³¹
floridanus Csy. 15-270³¹
carolinæ Csy. 15-269³¹
vulgus of authors
vulgus (L.) 58-347 (W.I. S.A.)
s.septentrionis Kolbe 10-352³¹ Ala.-
 [Tex. Cuba
- Archophileurus**
cibrosus (Lec.) 54-80 Tex. Mex.
bullatus Csy. 15-274³¹
longulus Csy. 15-273³¹
brevis Csy. 15-272³¹
 * * *
- Cotinis**
palliata G. & P. 33-336 Ariz. Cal.
arizonica Csy. 15-287³²
- Chlorixanthe** Bates 89-374
chapini Cart. 39-363 Tex. Mex.
- CREMASTOCHEILINI**³³ 34
- Lissomelas** Bates 89-376³³
 * *flohri* Bates 89-376 Ariz. Mex.
- Psiloenemis** Burm. 42-676³³
 * *leucosticta* Burm. 42-677 Md.-N.C. Mex.
- Genuchinus** Westw. 74-23
 * *ineptus* Horn 85-127 Ariz. Cal.
angustus Csy. 15-344 Ariz.
- Cremastocheilus** Knoch 01-115³³
 * **MACROPODINA** Csy.
 [15-344³³ 34
puncticollis Cazier 40-124 Ariz. Cal.
planatus Lec. 63-81 Ariz. Cal. Mex.
ampla Csy. 15-346³³ 34
depressa (Horn) 71-340³⁴
beameri Cazier 40-126 Ariz.
CREMASTOCHEILUS s.str.
harrisii Kby. e.U.S.
castaneæ Knoch Can.-Conn.-Colo.-Gulf
v.lecontei Westw.³³ Miss.vall.
v.pocularis Csy.³³ Man.-Colo.
v.brevisetosus Csy.³³ s.U.S.
canaliculatus Kby. Can.-Ga.-Ohio
retractus Lec. Ia.-Tex.
v.incisus Csy.³³ Kan. Colo.
variolosus Kby. e.U.S.
squamulosus Lec. N.C.-Fla.
angularis Lec. Cal.
compressipes Csy.³³
nitens Lec. Neb. Mo. Kan.
chapini Cazier 40-130 Ariz.

²⁹ Saylor—46; revision.³¹ Cazier—40; key to genera and species.³² Chapin—46.³³ Potts—45; key to genera and species.³⁴ Cazier—40; key to genera.

armatus Walk. Nev. Cal.-B.C.
densicollis Csy.³³
obliquus Csy.³³
v.maritimus Csy.³³ Cal. Ore.
maritimus Potts 45-76
v.montanus Csy.³³ Nev. Cal.-Wash.
v.cribripennis Csy.³³ Cal.
mexicanus Schaum Ariz.
crinitus Lec. Tex. N.M.
v.bifoveatus VanD.³³ N.M.-Ariz.-B.C.
v.pugetanus Csy.³³ Colo.-Wash.
knocchi Lec. Man.-N.M.
gracilipes Csy.³³
areolatus Csy.
pulverulentus Cazier 40-131 N.M.
quadratus Fall Ariz.
westwoodi Horn Cal.
v.tridens Csy.³³ Cal.
schaumi Lec. Cal.
v.tibialis Csy.³³ Ariz. Cal.
lengi Cazier Ariz.
wheeleri Lec. Mont. Neb.-Cal.
constricticollis Cazier 40-127 Ariz.
saucius Lec. Neb.-Colo.-Tex.
hirsutus VanD. Ariz.
spinifer Horn Tex.
opaculus Horn Ariz. Cal.
setosifrons Csy. Kan.
quadricollis Csy. Tex.
planipes Horn Ariz.
mentalis Cazier 40-129 N.M.

* * *

Osmoderma Lep. & Serv. 25-702³⁵
* (*Gymnodus* Kby. 37-139)³⁵
scabra (Beauv.) 05-58³⁶
foveatus Kby. 37-140³⁵
rugosa Kby. 37-140³⁵
delicatula Csy. 15-372³⁵
gracilipes Csy. 15-374³⁵
beauvoisii Bainb. 41-481³⁵
caviceps Csy. 15-374³⁵
lacustrina Csy. 15-375³⁵
caseyi Schenk. 22-9³⁵
erenicola Knoch 01-105
subplanata Csy. 15-376³⁵
montana Wickh. 20-233³⁵

LUCANIDÆ

PLATYCERINI³⁷

Platycerus Geoff. 62-62³⁸
* (*Systemocerus* Weise 83-93)³⁸
(*Systemus* Shp. & Muir 12-573)³⁸
oregonensis Westw. 46-277 Cal.-B.C.
origonensis Westw. 44-106³⁸
cærulescens Lec. 61-345³⁸
chalybæus Csy. 97-639³⁸
virescens (Fab.) 94-87 e.Can.-e.U.S.
quercus Weber 01-85³⁸
securidens Say 23-249³⁸

³⁵ Hoffmann—39; key to species.
³⁶ Not validated in this reference; see later uses, such as Gory & Perch. 33-47.
³⁷ Benesh—46; new tribe and key to genera.
³⁸ Benesh—46; revision.
³⁹ Placed as a synonym of *marginalis* by Benesh—46; reinstated as species by Benesh in litt.

scaritoides Sturm 43-136³⁸
quercicola Knoch 68-961³⁸
angustus Csy. 08-280³⁸
ioevannus Csy. 08-280³⁸
peregrinus Csy. 08-280³⁸
piceus Kby. 37-141 Newf.-Md.-Ida.
depressus Lec. 50-224³⁸
marginalis Csy. 97-639 Wyo.-Cal.-B.C.
cribripennis VanD. 28-107³⁹ Cal.
Platyceroides Benesh 46-175
* (*Platycerus* Lec. 61-345, part)³⁷
agassii (Lec.) 61-345⁴⁰ Cal. Ore.
agassii of authors⁴⁰
parvicollis (Csy.) 90-164^{38 41}
pacificus (Csy.) 90-165^{38 41}
californicus (Csy.) 85-331³⁸
s.pygmaeus VanD. 46-88 Cal.
æneus (VanD.) 28-109 Ore. Wash.
thoracicus (Csy.) 95-154 Cal.
opacus (Fall) 06-393 Cal.
latus (Fall) 01-291 Cal.
viriditinctus (Benesh) 42-222 Ore.
laticollis (Csy.) 11-373 Ore.

Platyceropsis Benesh 46-195
* (*Platycerus* Csy. 95-153, part)³⁷
keeni Csy. 95-153 Cal.-B.C.
pedicellaris Möll. 12-302³⁸

CERAMBYCIDÆ

Stenodontes

NOTHOPLEURUS Lec.
lobigenis (Bates) 84-235 Tex.-Cal. L.Cal.
[Mex.
gnatho Lec. 58-81 (not White)⁴²
mandibularis Gemm. 72-254 (not
castaneus Csy. 24-225⁴² [Fab.])⁴²

Orthosoma Serv. 32-154⁴³
cylindricus Fab.

Smodieum

pacificum Linsley 34-107 [Tres Marias Is.]
s.peninsulare Linsley 42-27 L.Cal.

Aseminæ

ATIMIINI⁴⁴

Atimia⁴⁵

vandykei Linsley 39-74 N.M.
hoppingi Linsley 39-75 Ore. Wash.

* * *

Haplidus

laticeps Knull 41-317 Tex.

Styloxus Lec. 73-239

(*Idæmea* Horn 80-137)⁴⁶
(*Malthophia* Csy. 12-308)⁴⁶
(*Malthopia* Linsley 40-34)

⁴⁰ These spellings reversed by Benesh—46.
⁴¹ This date is given as 1889 by Leng and as 1875 by Benesh.
⁴² Linsley—42.
⁴³ Distinct genus, Linsley—40.
⁴⁴ Linsley—39; key to genera.
⁴⁵ Linsley—39; key to species.
⁴⁶ Linsley—40.

METHIINI ⁴⁷**Tessaropa**

(*Dysphaga* Lec. 52-143)⁴⁶
(*Tessaroptes* G. & H. 73-3063)⁴⁶

Coleomethia Linsley 40-32

* *evaniformis* (Knull) 37-306 ⁴⁵ Tex.

Methia

robusta Linsley 40-285 Cal.
dubia Linsley 40-286 Ariz.
acostata Linsley 40-287 Ariz.
knulli Linsley 40-288 Ariz.
carinata Linsley 40-289 Ariz.
pecta Linsley 42-29 L. Cal.
separata Linsley 42-30 L. Cal.
subarmata Linsley 42-31 L. Cal.
pallidipennis Linsley 42-32 L. Cal.

* * *

Achryson

surinamum (L.) 67-632 Tex. Ariz. L. Cal.
[Mex. S.A.]

circumflexus (Fab.) 87-144 ⁴²
longicollis (Deg.) 75-117 ⁴²
pallens (Fab.) 92-297 ⁴²
surinamensis (Oliv.) 95-54 ⁴²

Tylonotus

champlaini Knull 41-695 Pa.

Gnaphalodes

trachyderoides Thoms. 60-236 Tex. L. Cal.
inermis Bates 84-243 ⁴² [C.A.]

Eburia

falli Linsley 40-257 Ariz. Cal.
semipubescentis Fall 09-163
(not Thomson)

Anepsya

grandicollis Linsley 42-40 L. Cal.

Aneflomorpha

australis Linsley 42-37 L. Cal.
rosaliae Linsley 42-38 L. Cal.

Anelaphus

submœstus Linsley 42-42 L. Cal.
punctatus (Lec.) 73-185 L. Cal.
subdepressus Schffr. 04-222 Ariz. L. Cal.
micelbacheri Linsley 42-42 L. Cal.
mœstus (Lec.)⁴⁹

Anoplum

insoletum Linsley 42-43 L. Cal.

Meganoplum Linsley 40-258

* *imbelle* Lec. 81-27 Cal.

Anoplocerius Fisher 20-153 ⁵⁰

* *incompletus* Linsley 42-47 L. Cal.
altus Knull 42-224 Tex.

Perigracilia Linsley 42-48

* *tenuis* Linsley 42-49 L. Cal.
delicata Knull 42-225 Ariz.

⁴² Linsley—42.⁴⁶ Linsley—40.⁴⁷ Key to genera, Linsley—40.⁴⁸ Transferred from *Methia* by Linsley—40.⁴⁹ Transferred from *Anoplum* by Linsley—42.⁵⁰ Key to genus, Knull—42.⁵¹ To precede *Obrini*, key, Linsley—40.EUMICHTHINI ⁵¹**Eumichthus** Lec. 73-190 ⁵²

* (*Eumichtus* Auriv. 12-138)
œdipus Lec.

Pœcilobrium Horn 83-291 ⁵³

(*Pœcilobrium* Linsley 40-369)
(*Callimus* Lec. 73-305)⁴⁶
chalybeum Lec.

OBRINI ⁵⁴**Obrium**HYBODERINI ⁵⁵**Hybodera** Lec. 73-191 ⁵³**Lampropterus** Muls. 63-214

(*Callimus* Muls. 46-app.)⁴⁶
(*Pilema* Lec. 73-191)⁴⁶
(*Callimellum* Strand 28-2)⁴⁶

Pseudopilema Linsley 40-373

* *hoppingi* VanD. 20-36 ⁵⁶ Cal.

Megobrium Lec. 73-192 ⁵³MOLORCHINI ⁵⁷**Molorchus** Fab. 92-356

(*Heliomanes* Newm. 40-17)⁴⁶
(*Glaphyra* Newm. 40-19)⁴⁶
(*Laphyra* Newm. 42-418)⁴⁶

STENOPTERINI ⁵⁸**Callimoxys** Kr. 63-105

* * *

LEPTURINI ⁵⁴**Toxotus**

spinus R. Hopp. 40-32 Ore.
oklahomensis R. Hopp. 40-33 Okla.

Centrodera

arida VanD. 46-89 Cal.
osburni Knull 47-73 Cal.

Cortodera Muls. 63-572 ⁵⁹

* (*Leptacmæops* Csy. 13-230)⁵⁹
impunctata Hopp. 47-222 Ore. Wash.
placensis Hopp. 47-223 Cal.
sierræ Hopp. 47-224 Cal.
militaris (Lec.) 50-322 Ida. Wash. Ore.
[Cal.]
berkeleyensis Hopp. 47-226 Cal.
oregonensis Hopp. 47-227 Ore.
harneyensis Hopp. 47-228 Ore.
bakeri Hopp. 47-229 Wash.
longicornis (Kby.) 37-185 Mont.-Nev.-

⁵² Transferred from *Obrini*, by Linsley—40.⁵³ Transferred from *Molorchini* by Linsley—40.⁵⁴ Key to tribes, Linsley—40.⁵⁵ New tribe to follow *Obrini*, Linsley—40.⁵⁶ Transferred from *Callimus* by Linsley—40.⁵⁷ To follow *Hyboderini*, Linsley—40.⁵⁸ To follow *Molorchini*, Linsley—40.⁵⁹ R. Hopping—47; revision of genus.

- marginalis* (Lec.) 57-28⁵⁹ [B.C.]
vincta (Lec.) 61-356⁵⁹
ligata (Lec.) 73-211⁵⁹
punctiventris Csy. 13-238⁵⁹
alticola Csy. 13-239⁵⁹
suturalis Csy. 24-277⁵⁹
dorsalis (Lec.) 59-21⁵⁹
nitidipennis (Csy.) 13-236 Ida. Wash. Ore.
subpilosa (Lec.) 50-322 Alb.-Kan.-Cal.-
lupina (Lec.) 60-321⁵⁹ [B.C.]
intermedia Csy. 13-236⁵⁹
pugetana Csy. 13-237⁵⁹
quadriceps Csy. 13-237⁵⁹
spuria (Lec.) 73-228 Ore. Wash.
coniferæ Hopp. 47-233 Colo. Wash. B.C.
stolida (Csy.) 24-277 Nev.
robusta Hopp. 47-234 Wash.
basalis (Lec.) 73-211 Cal.
dichroma Csy. 13-231⁵⁹
auricollis Csy. 13-232⁵⁹
elegantula Csy. 13-232⁵⁹
cuneata Csy. 13-231⁵⁹
minima Csy. 13-233⁵⁹
cubitalis (Lec.) 50-322⁶⁰ Cal.
temporalis Csy. 13-233⁵⁹
quadrinotata Csy. 13-233⁵⁹
tenuis Csy. 13-233⁵⁹
variipes Csy. 13-234⁵⁹
* * *
ACMÆOPSILLA Csy. 13-240
falsa (Lec.) 59-80⁶¹ Cal. L.Cal.
Anthophylax
viridis Lec. 50-326⁶² Ariz.
Strangalia Serv. 35-220
pacifica Linsley 40-255 Cal.
Anoplodera
jacintana Linsley 40-256 Cal.
scapularis VanD. 20-43⁶³ Cal.
isabellæ R.Hopp. 22-162⁶³
Ophistomus
lævicollis Bates 80-39 [C.A.]
s.ventralis Horn 94-401⁶¹ Ariz. L.Cal.
Euryptera
texana Knull 41-388 Tex.
Vesperoctenus Bates 91-159
flohri Bates 91-160 L.Cal.⁶¹ Mex.

NECYDALINI⁶⁵
Necydalis⁶⁶
lævicollis Lec.
s.seminiger Linsley 40-277 Cal.
diversicollis Schffr.
s.californica Linsley 40-279 Cal.
* * *
Callidiellum Linsley 40-254
cupressi VanD. 23-48⁶⁷ Cal.
Semanotus
ANOCOMIS Csy. 12-271⁶⁸
- Callidium**
sempervirens Linsley 42-192 Cal.
Phymatodes
(*Phymatodis* Knull 40-556)
ursæ Knull 40-556 Wyo.
vilitatis Linsley 40-253 Cal.
vile Lec. 73-172⁶⁴
(not Newman, 1842)
hardyi VanD. 28-112⁶⁹ B.C.
hirtellum Lec. 73-172⁶⁹ Colo. Cal.
malkini Fisher 42-51 Ore.
Megaecyllene Csy. 12-348^{70 71}
* (*Cyllene* Newm. 40-7, not Gray,
[1834])^{70 71}
antennata White 55-252 Tex.-Cal. L.Cal.
eurystethus Lec. 58-82⁷²
robinia Forst. 71-43 Me.-Pa.-Minn. Ont.
flexuosa F. 75-191⁷²
angulata Fab. 75-192⁷²
pictus Drury 70-91⁷²
caryæ Gahan 08-141 Mass.-Ont.-Md.-
[Mex.]
snowi Csy. 12-353 N.M. Ariz.
decora Oliv. 95-63 N.Y.-Ala.-Tex.-Neb.
a.charus Say 35-193⁷²
a.mediana Auriv. 12-384⁷²
a.horni Auriv. 12-384⁷²
a.castelnaui Auriv. 12-384⁷²
a.genitiva Csy. 12-355⁷²
a.solida Csy. 12-355⁷²
a.kansana Csy. 12-355⁷²
infausta Lec. 50-17 Minn.-N.M.
zuniana Csy. 12-353 N.M.
lutosa Lec. 61-356 Kan.
angulifera Csy. 12-354 Alb.-Man.-Kan.
Megacheuma Mickel 19-198⁷²
* brevipennis (Lec.) 73-197 Wyo. Ut. Ore.
melanosticum Mickel 19-199⁷²
Placosternus G.R.Hopp. 37-447
* difficilis (Chevr.) 62-263 Tex. Cal. Cuba
reducta Csy. 12-351⁷²
filicornis Csy. 12-352⁷²
Glycobius Lec. 73-319⁷²
* speciosus (Say) 28-53 N.H.-N.J.
Calloides Lec. 73-319⁷²
* nobilis (Harr.) 36-84 (N.A.)
muliebris Csy. 12-358⁷²
coloradensis Csy. 12-358⁷²
v.regalis Chevr. 60-488⁷²
mormonus Schffr. 11-124⁷²
lorquini (Buqu.) 59-629 Nev. Cal.
Tyleus Csy. 12-348⁷²
* hartwegi (White) 55-252 Ariz. Mex.
Sarosesthes Thoms. 66-185⁷²
* fulminans (Fab.) 75-192 Pa.-D.C.-Kan.-
[Minn.]
Ochræthes Chevr. 60-454⁷²
* (*Ochræsthes* Chevr. 60-472)⁷²

⁶⁰ Error for Lec. 61-355.⁶¹ Linsley-42.⁶² Distinct species, Knull-42.⁶³ Transferred from Leptura by Linsley-40.⁶⁴ Linsley-40.⁶⁵ Linsley-40; revision and key to genera.⁶⁶ Linsley-40; key to species.⁶⁷ Transferred from Semanotus by Linsley-40.⁶⁸ Misspelled Anacomis in Leng-20 and 4th
Suppl., Leech in litt.⁶⁹ Transferred from Callidium, by Linsley-40.⁷⁰ Fisher-45.⁷¹ Synonymy reversed by G. R. Hopping-37.⁷² G. R. Hopping-37; revision.

- (*Ochrasthes* Thoms. 60-216)⁷²
Ochrastes Lac. 69-65)⁷²
(*Ochrastes* Bates 80-50)⁷²
sigmoideus Bates 85-298 Tex. Mex.
TRIODOCLYTUS Csy. 12-374
lanifer (Lec.) 73-198 (N.A.)
- Arhopalus** Serv. 34-77
(*Crioccephalum* Dej. 35-328)⁶⁴
(*Crioccephalus* Muls. 39-63)⁶⁴
- Xylotrechus**
robustus R.Hopp. 41-29 Colo.
- Neoclytus**
irroratus (Lec.) 58-26⁷³ Tex.-Cal. L.Cal.
morosus (Chevr.) 60-501⁶¹ [Mex.]
- Eplophorus** Chevr. 61-248
bicornis Linsley 35-88 [Mex.]
s.peninsularis Linsley 42-56 L.Cal.
- Rhopalophora**
prorubra Knull 44-91 Ariz.
- Rhopalophorella** Linsley 42-57
bicorneta (Horn) 95-245 L.Cal.
- Stenosphenus** Hald. 47-39⁷⁴
* aridus Linsley 35-166 Utah
castaneus Csy. 24-269 Tex. N.M.
pinorum Csy. 24-268 N.J.-Fla.
notatus (Oliv.) 95-61
deflendum (Newm.) 40-6⁷⁴
discoideus (Sturm) 26-199⁷⁴
discicollis (Dej.) 35-330⁷⁴
nigricornis Fisher 46-90 Cal.
debilis Horn 85-179 Utah
lugens Lec. 62-41 Tex. Mex.
hirsutipennis Bates 72-191⁷⁴
beyeri Schffr. 05-163 N.M. Ariz.
dolosus Horn 85-179 Tex.
rossi Linsley 42-45 L.Cal.
novatus Horn 85-178 L.Cal.
lucanus Csy. 12-346⁷⁴ 61
basicornis Linsley 34-60 L.Cal.
lepidus Horn 85-179 Ariz.
pruddeni Csy. 12-346 Ariz.
longicollis Csy. 91-34 Tex.
* * *
- piceus Knull 46-253 Tex.
texanus Knull 46-254 Tex.
- Gymnopsyra**
notabilis Knull 47-72 Cal.
- PSEBIINI
- Tragidion**
armatum Lec. 58-25 Tex.-Cal.⁶⁴
gracilipes Linsley 40-136 Cal.
peninsulare Schffr. 08-339⁷⁵ L.Cal.⁶⁴
s.californicum Linsley 40-137 Cal.
annulatum of authors (not Lec.)⁶⁴
- Crossidius**
australis Linsley 42-61 L.Cal.
- ruficollis Linsley 43-147 Cal.
brunneipennis Linsley 43-148 Nev.
- Oxophilus**
cruentus Lec. 62-42⁷⁵ L.Cal.
cruentatus Horn 94-338⁷⁵
tumacacorii Knull 44-91 Ariz.
- Elytroleptus**
davisii Knull 40-558 Tex.
- Parevander** Auriv. 12-453
(*Evander* Lac. 69-160)⁷⁶
(not Thomson, 1860)
xanthomelas (Guér.) 44-258 ?L.Cal. C.A.⁶¹
- Plionoma** Csy. 12-333⁷⁷
rubens (Csy.) 91-34 Tex.-Cal. L.Cal.
basalis (Horn) 94-401⁷⁸ L.Cal.
- Taranomis** Csy. 12-333⁷⁷
bivittata (Dupont) 38-58 Tex.-Cal. Mex.
bilineata Gory 39-pl. 45⁷⁹ [L.Cal.]
pallida (Schffr.) 05-132⁸⁰ L.Cal.
linsleyi Knull 42-226 Ariz.
- Lissonotus**
flavocinctus Dup. 36-9
s.puncticollis Bates 85-90 Cal. Ariz.
lucanus Csy. 12-317⁷⁹ [L.Cal.]
- Dendrobias**
mandibularis Serv. 34-42 Tex.-Cal. Mex.
[L.Cal.]
quadrimaculatus Dupont 36-22⁷⁹
peninsularis Csy. 12-316⁷⁹
- Monilema**
(*Monilema* Agassiz 46-237)
COLLAPTERYX Newm. 38-397
michelbacheri Linsley 42-67 L.Cal.
gigas Lec. 73-236 Tex.-Utah-L.Cal. Mex.
constricta Csy. 13-285⁸¹
uteana Csy. 13-285⁸¹
pimalis Csy. 13-285⁸¹
spinicollis Csy. 13-286⁸¹
pollens Csy. 13-286⁸¹
plectralis Csy. 24-286⁸¹
colossa Csy. 24-289⁸¹
- MONOCHAMINI⁸²
- Neoptychodes** D. & D. 41-44⁸²
* trilineatus (L.) 71-532 S.C.-Fla.-Ariz.
vittata (Fab.) 77-231⁸² [C.A.]
insularis Fairm. 50-61⁸²
abbreviatus Csy. 93-593⁸²
- Monochamus** Guér. 27-91⁸²
* (*Monochamus* of authors)⁸²
scutellatus (Say) 24-289 Newf.-N.C.-
resutor Kby. 37-167⁸² [Alas.]
oregonensis (Lec.) 73-231 N.D.-Cal.-
monticola Csy. 13-293⁸² [Alas.]
obtusus Csy. 91-45 Ida.-Wash.-Cal.
fulvomaculatus Linsley 33-118 Cal.

⁷⁶ Blackwelder—46.⁷⁷ Treated as a genus by Linsley—42.⁷⁸ Transferred from Sphænothecus by Linsley—42.⁷⁹ Linsley—42.⁸⁰ Transferred from Isochnemis by Linsley—42.⁸¹ Linsley—42, after Psota—30.⁸² Dillon & Dillon—41; revision of tribe.⁶¹ Linsley—42.⁶⁴ Linsley—40.⁷² G. R. Hopping—37.⁷³ Transferred from Rhopalopachys by Linsley—42.⁷⁴ Fisher—46; revision.⁷⁵ Treated as a species by Linsley—42.

- maculosus (Hald.) 47-51
 s.maculosus s.str. Neb.-Tex.-Cal.
clamator (Lec.) 52-149⁸²
strenuus Csy. 13-293⁸²
 s.latus Csy. 24-290⁸⁸ Neb.-Cal.-B.C.
 s.nevadensis D. & D. 41-72 Nev.
 linsleyi D. & D. 41-72 Cal.
 notatus (Drury) 77-65 N.S.-S.C.-B.C.
confusor Kby. 37-168⁸²
 mutator Lec. 50-235 Mich. Minn.
 carolinensis (Oliv.) 90-463 Mass.-Fla.-
dentator (Fab.) 75-278⁸² [Tex.-
minor Lec. 73-231⁸² [Minn. Mex.
 titillator (Fab.) 75-172 Mass.-Fla.-Tex.-
angusticollis Csy. 24-292⁸² [N.D.
obesus Csy. 24-290⁸² [S.A.
 marmorator (Kby.) 37-169 Que.-N.C.-
acutus Lac. 69-316⁸² [Minn.
- Microgoes** Csy. 13-298⁸²
 * *oculatus* (Lec.) 62-40 Me.-Ala.-Ill.
tenuicornis Csy. 13-298⁸²
- Goes** Lec. 52-150⁸²
 * *debilis* Lec. 52-150 Mass.-Fla.-Minn.-
 [Ariz.
 tigrinus (Deg.) 75-114 N.Y.-Fla.-La.
tomentosus (Zieg.) 46-47⁸² [Mex.
marmoratus Csy. 13-296⁸²
 pulchra (Hald.) 47-150 Mass.-Ga.-Tex.-
 [Ont.
 fisheri D. & D. 41-122 Tex.
 pulverulentus (Hald.) 47-51 Mass.-Fla.-
 [Tex.-Minn.
laurenticus Csy. 13-297⁸²
 novus Fall 28-236 ?Ill. Tex.
 tessellatus (Hald.) 47-51 Mass.-Fla.-
amplipennis (Csy.) 13-295⁸² [Tex.-
robinsoni Csy. 14-368⁸² [Minn.
- Caecoplia** Lec. 52-149⁸²
 * (*Hebestola* || Hald. 47-54)⁸²
 nebulosa (Hald.) 47-54 Mass.-Ala.-Minn.
pullata (Hald.) 47-55⁸²
pruinosa Lec. 52-149⁸²
- Plectrodera** Lec. 52-151⁸²
 scalator (Fab.) 92-278 N.Y.-Ga.-Tex.-
belli Lec. 44-209⁸² [Mont. Mex.
 * * *
- Neoptychodes** D. & D. 41-44
 trilineatus (Linn.) 71-532⁷⁹ Fla.-L.Cal.
vittatus (Fab.) 76-231⁷⁹ [S.A.
- Monoctamus**
 notatus (Drury) 75-65 N.Y. Ind. Wis.
 s.morgani Hopp. 45-17 B.C.
 obtusus Csy. 91-45 Cal. B.C.⁸³
- Goes**
 pulcher (Hald.)
 v.fuscatus Knull 44-92 Okla.
- DORCASHEMATINI**
- Dorcaschema** Lec. 52-147⁸⁴
 * *wildii* Uhler 55-417 Mass.-Ky.
- alternatum (Say) 23-405
 s.alternatum s.str. e.U.S.-Tex.
 s.octovittata Knull 37-307 Tex.
 nigrum (Say) 27-272 e.U.S.-Tex.
- Hætemis** Hald. 47-54⁸⁴
 * *cinerea* (Oliv.) 95-28 Pa. Md. Mich.
 s.cinerea s.str. Kan.
 s.bimaculata D. & D. 47-293
- * * *
- Leptostylus**
 arcuatus Lec. 52-168
floridanus Champ. & Kn. 22-148⁸⁵
- Leiopis**
 rosaliæ Linsley 42-71 L.Cal.
 rossi Linsley 42-71 L.Cal.
 gracilipes Linsley 42-72 L.Cal.
 nivosus Linsley 42-73 L.Cal.
- Estoloides** Breuning 40-72
 sordida (Lec.) 73-237⁸⁶ L.Cal.
 sparsa Linsley 42-78 L.Cal.
- Ecyrus**
 pacificus Linsley 42-80 L.Cal.
- Poliænus**
 obliquus Linsley 42-81 L.Cal.
- ONCIDERINI**⁸⁷
- Lochmæocles** Bates 80-124⁸⁸
 * *cornuticeps* Schffr. 06-20⁸⁹ Tex. Mex.
 s.cornuticeps s.str.
tessellatus Knull 37-42^{88 90} Ariz. Ecua.
 marmoratus Csy. 13-351
- Oncideres** Serv. 35-67⁸⁸
 * *pustulata* Lec. 54-82 Tex. ?Ill.
putator of High 15-09 (not Thoms.)⁸⁸
trinodatus of Essig 26-460 (not [Csy.]⁸⁸
 rhodosticta Bates 85-365 Tex.-Ariz.
 [L.Cal. Mex.⁷⁹
putator of Horn 85-195⁸⁸
cingulatus of Hamilt. 96-141 (not
trinodata Csy. 13-352^{88 79} [Say]⁸⁸
pustulatus of Essig 26-460⁸⁸
 quercus Skinn. 05-291 Ariz.
 cingulata Say 26-272 Conn.-Tex. Cal.
 [Mex.
texana Herrick 02-15 (not Horn)⁸⁸
pallescens Csy. 13-353⁸⁸
præcidens Csy. 13-354⁸⁸
texana Horn 85-195⁸⁸
subtropicus Csy. 13-353⁸⁸
- Oberca**
 canadensis Fisher 45-56 Ont.

⁸³ Dillon & Dillon—43.⁸⁴ Dillon & Dillon—47; revision of genus.⁸⁵ Knull—42.⁸⁶ Transferred from *Estola* by Linsley—42.⁸⁷ Key to genera, Dillon & Dillon—45.⁸⁸ Dillon & Dillon—46; revision of genus.⁸⁹ Transferred from *Oncideres* by Dillon & Dillon—46.

- CHRYSEMELIDÆ** ⁹⁰
- Macrolea** Sam. 19-211
(*Apelma* Billl. 20-53)⁹¹
(*Hæmonia* Dej. 21-114)⁹¹
- Lilioecris** Rtt. 12-79
* *lili* (Scop.) 63-36 Que.⁹² Eur.
- Neohæmonia** Szek. 41-148
* *nigricornis* (Kly.) 37-222⁹³ N.Y.
 americana (Guér.) 44-259⁹³
 melshimeri (Lac.) 45-211⁹³ Pa. Ill.
 nigricornis (Clav.) 13-15⁹³
- Syneta**
 pilosa Brown 40-164 N.B.-Alb.
 extorris Brown 40-165 N.C. Tenn.
- Zeugophora**
 varians Cr. Ore.⁹⁴
- Lema**
 californica Heinze 27-142
 amula Horn 94-406 (not Lac., 1845)
- Megascelis** Sturm 26-80 (not 29-138)⁹¹
- Coscinoptera**
 corpilosa Dahl 41-29 Ariz. Mex.
- Arthrochlamys** ⁹⁵
 cribripennis (Lec.) 78-614 Que. Ont. Mich.
 comptoniæ Brown 43-125 N.B. Mass.
 eubati Brown 43-126 Que.-Man. N.J.
 plicata (Fab.) 98-111
 gibbosa of authors, in part ⁹⁵
 alni Brown 43-128 N.B.-Ont.
 bebbianæ Brown 43-128 Que. Ont.
 chamædaphnes Brown 43-130 Ont.
 coryli Brown 46-48 Ont.
 tecta Brown 46-48 Ont.
- Saxinis**
 saucia Lec. 57-66
 v.quadrimaculata Dahl 41-30 Cal.
 v.californica Schffr. Ore.⁹⁴
- Exema** ⁹⁵
 pennsylvanica Pierce 40-18 Pa. Ont.-Kan.
 consperpa of authors, in part ⁹⁵
 canadensis Pierce 40-10 N.B.-Ont.-N.C.
 consperpa of authors, in part ⁹⁵
 gibber of authors ⁹⁵
 globensis Pierce 40-21 Ariz.
 chiricahuana Pierce 40-22 Ariz.
 parvisaxi Pierce 40-24 Cal.
 dispar Lac. 48-850 Ariz. Mex.
 s.canadensis Pierce 40-10 Can.
 jenksi Pierce 40-13 Cal.
 inyoensis Pierce 40-19 Cal.
 deserti Pierce 40-20 Cal.
 s.boregensis Pierce 40-21 Cal.
- Pachybrachys**
 donneri Cr. 74-78 Ore.⁹⁴
- Diachus**
 aruginosus Lec. 80-197 Ore.⁹⁴
- Nodonota** ⁹⁶
 parkeri White 41-162 Ariz.
- Rhaldopterus** ⁹⁷
 bowditchi Barber 43-117 Fla.
 pratextus (Say) 24-442
 picipes of authors (not Oliv., 1808)⁹⁷
 spiculatus Barber 43-118 Me.-Mass.
 deceptor Barber 43-118
 pratexta || Jones 41-321⁹⁷
 weisei (Schffr.) 20-117⁹⁸
 subvæna (Schffr.) || 19-328⁹⁷
 bottimeri Barber 46-140 Tex.
- Adoxus**
 obscurus (L.) Ore.⁹⁴
- Colaspidea**
 varicolor Cr. (not Lec.)⁹⁴ Ore.⁹⁴
- Entomoscelis**
 americana Brown 42-172 Man.-B.C.
 adonidis of authors ⁹⁹
- Prasocuris**
 vittata Oliv.
 vitatta Johnson 41-12
- Leptinotarsa**
 lineolata Stal Ore.¹
- Zygogramma**
 suturalis Fab. 75-95
 suturalis Johnson 41-12²
- Calligrapha**
 fulvipes Stål 59-323 Tex. Mex.⁹²
 knabi Brown 40-166 Que.
 bidenticola Brown 45-122 N.B.-Ont.
 similis Rogers 56-34³
 (not Müller, 1776)
 californica Linell 96-198 Cal.
 s.coreopsivora Brown 45-122 Conn.
 elegans Oliv. 08-532³ [N.S.-B.C.
 (not Gmelin, 1789)
 virgata G. & H. 74-3437³
 (not Stål, 1859)
 alni Schffr. 28-290 N.S.-Alb.
 confinis Kby. 37-211³
 (not Klug, 1829)
 alnicola Brown 45-124 Que. Ont.
 dolosa Brown 45-126 Ont.
 ostryæ Brown 45-126 Ont.
 ignota Brown 45-127 N.S. N.B. Ont.
 pruni Brown 45-127 Ont.
 virginea Brown 45-130 Que. Ont.
 tiliæ Brown 45-130 Ont.
 amator Brown 45-132 Ont.
- Chrysolina**
 engelhardti Hatch 39-49 Alas.
- Microtheca** Stål 61-464
 ochroloma Stal 61-464 Ala.⁴ S.A.
- Phædon**
 armoraciæ (L.) Ore.⁹⁴
 oviformis Lec. Ore.⁹⁴
 niger Hatch Ore.⁹⁴
 carri Hatch Ore.⁹⁴
 punctatus Hatch Ore.⁹⁴

⁹⁰ Key to subfamilies, based on larvæ; Sailsbury-43.

⁹¹ Barber & Bridwell-40.

⁹² Brown-46.

⁹³ Transferred from *Hæmonia* by Szekessy-41.

⁹⁴ K. Fender-45.

⁹⁵ Brown-43; key to Canadian species.

⁹⁶ Key to species, White-41.

⁹⁷ Barber-43; key to species.

⁹⁸ Transferred from *Colaspis* by Barber-43.

⁹⁹ Brown-42.

¹ Malkin-43.

² White-42.

³ Brown-45.

⁴ Barber in litt.; (Timarchini).

- Gastrophysa** Chev. 37-405
 (*Gastræidea* Hope 40-164)⁹¹
 (*Gastroidea* G. & H. 74-3403)^{91 5}
 cyanea Melsh. Ore.¹
- Phytodeeta**⁶
 arctica Mannh. 53-257
 affinis of authors⁶
 scutellaris Sahlb. 85-55⁶
 americana Schffr. 24-139
 pallida of authors⁶
 rufipes of Kby. 37-213⁶
 viminalis of Mannh. 53-256⁶
 notmani Schffr. 24-140
 affinis of Notm. 21-75⁶
 occidentalis Brown 42-104 Alb. B.C.
- Galerucella**
 ribicola Brown 38-37 Man.
 s.confusa Brown 46-50 Ont.
 xanthomelena (Schr.) 81-78 Ont.⁷ Ore.¹
 xanthomelena Malkin 43-74
- Monoxia**⁸
 consputa (Lec.) 57-70 Wyo.-Tex.-Cal.-
 [Wash.]
 guttulata (Lec.) 57-70⁹ Cal. Ore.¹
 consputa Horn 93-85, in part⁸
 sordida (Lec.) 58-88 Colo.-Tex.-L.Cal.
 angularis (Lec.) 59-90⁹ N.D.-Cal.-B.C.
 consputa Horn 93-85, in part⁸
 debilis Lec. 65-222 Alb.-Ariz.-Ida.
 obtusa Lec. 65-222⁸
 inornata Blake 39-162 N.D.-Tex.-Mont.
 grisea Blake 39-163 Alb.-Ida.
 elegans Blake 39-164 Mont.-N.M.-Ore.
 puberula Blake 39-165 Alb.-Tex.-Cal.
 schizonycha Blake 39-166 Colo.-Cal.-
 [Wash.]
 obesula Blake 39-167 Tex.
 pallida Blake 39-168 Colo. Ida.
 minuta Blake 39-169 Ariz.
 apicalis Blake 39-170 Ariz. Cal.
 brisleylei Blake 39-171 Utah Ariz. Cal.
- Dialbrotica** Dej. 37-404
 undecimpunctata Mannh. 43-310
 s.undecimpunctata s.str. Pac. Cst.
 s.howardi Barber 47-153 e.St. s.St.
 s.tenella Lec. 58-88 (not 58-58) Ariz.
- Acalymma** Barber 47-154
 * gouldi Barber 47-154 Que. Ind.
 vittata (Fab.) 75-122¹⁰ S.C.
 melanocephala (Fab.) 75-118¹⁰
 trivittata (Mannh.) 43-309¹⁰ Tex.-Cal.
 vittata of Jacoby 87-535¹⁰ [C.A.
 incerta (Ckll.) 96-67¹⁰
 blandula (Lec.) 68-58¹⁰ Kan. Colo. Tex.-
 nitida (Linell) 98-483¹⁰ [Ariz.
 vincta (Lec.) 78-416¹⁰ S.C.-Fla.-Tex.
- Amphelasma** Barber 47-158
 * bipuncticollis (Schffr.) 05-171 Ariz.
- Luperus**
 morulus Lec. Ore.⁹⁴
- pallipes B. & H. Ore.⁹⁴
- Scelolyperus** Cr. 74-79¹¹
 blakeæ White 44-178 Tex.
- Luperodes**¹²
 bivittatus (Lec.) 59-81 Cal.
 diegensis Blake 42-60 Cal.
 monorhabdus Blake 42-61 Cal.
 tuberculatus Blake 42-62 Cal.
 melanolomatus Blake 42-63 Cal.
 nebrodes Blake 42-64 Tex.
 varicornis (Lec.) 68-57 Tex.-Ariz.
 crucigera Schffr. 06-249¹²
 marginalis Fall 10-149¹²
 brunneus (Cr.) 73-44 N.C.-Ga.-Tex.-
 [Kan.]
 varicornis Horn 93-111 (part)¹²
 davisi Leng 11-193¹²
 rugipennis Blake 42-68 L.Cal.
 pallidulus Blake 42-68 Tex.
 clachistus Blake 42-69 N.M.
 popenoei Blake 42-70 Kan.
 chiricahuensis Blake 42-71 Ariz.
 convexus Blake 42-71 Ill.-Iowa-Okl.
 ocellularis Blake 42-72 Ariz.
 punctatissimus Blake 42-73 Ariz.
 vandykei Blake 42-73 Cal.
 adenostomata White 42-31 Cal.
- SERRATICOLLINI²
- Serraticollis** White 42-17
 * rhois White 42-18 Cal.
 parkeri White 42-20 Ariz.
 * * *
- Galeruca**¹³
 * externa Say 24-458 Can.-Kan.
 pomona Knab 05-230¹³
 (not Scopoli, 1763)
 browni Blake 45-60 Man.-Alb.-Iowa
 popenoei Blake 45-61 Tex. N.M.
 costatissima Blake 45-62 Colo.-Utah-Ariz.
 rudis Lec. 57-69 Mont.-N.M.-Cal.-B.C.
- Cerotoma** Chev. 37-403 (not 43-342)¹⁴
 trifurcata (Forst.) 71-29
 caminia (Fab.) 01-459¹⁴
- Andrector**
 (*Cerotoma* of authors, in part)¹⁴
 ruficornis (Oliv.) 91-200 Fla. Tex. W.I.
 denticornis (Fab.) 92-24¹⁴
 sexpunctatus Horn 72-152¹⁴
 atrofasciatus (Jacoby) 79-792 Ariz. C.A.
 ruficornis of authors, not Oliv.¹⁴
- Distigmoptera** Blake 43-209¹⁵
 pilosa (Ill.) 07-105¹⁶ Que.-Fla.-Tex.
 mesochorea Blake 43-212 Mich.-Kan.
 apicalis Blake 43-214 Mass.-Ga.-Tex.
 texana Blake 43-215 Tex.
 schwarzi Blake 43-215 D.C.
 impennata Blake 43-216 Me.
 borealis Blake 43-217 N.B.-Okl.-Sask.
 falli Blake 43-218 Ariz.

⁵ Should be credited to Agassiz 46-160.

⁶ Brown-42; key to species.

⁷ Sheppard-46.

⁸ Blake-39; key to species.

⁹ Distinct species, Blake-39.

¹⁰ Barber-47.

¹¹ Key to genus, White-44.

¹² Blake-42; key to species.

¹³ Blake-45; key to species.

¹⁴ Barber-45.

¹⁵ Blake-43; key to species.

¹⁶ Transferred from Hypolampsis by Blake-43.

- Disonycha**
maritima Mannh. Ore.¹⁷
- Orestioides**
robusta Lec. Ore.¹⁷
- Altica**
potentillæ Brown 46-51 Que. Ont.
ribis Brown 46-53 Ont.
- Hippuriphila**
mancula Lec. 61-358
 modecri of authors, in part ¹⁸
canadensis Brown 42-176 Que.-Sask.
 modecri of authors, in part ¹⁸
equiseti B. & H. Ore.¹⁷
- Epitrix**
tuberis Gentner 44-137 Neb. Colo.
 [Ore. Wash.
 similaris Gentner 44-142 Cal.
 parvula Fab. Ore.¹⁷
- Chaetocnema**
opulenta Horn Ore.¹⁷
confinis Cr. Ore.¹⁷
- Longitarsus**
waterhousei Kutch. Ore.¹⁹
- Glyptina**
atriventris Horn Ore.¹⁷
- Phyllotreta**
columbianus Chitt. Ore.¹⁷
inconspicua Chitt. Ore.¹⁷
- Anisostena**
perspicua Horn Ore.¹⁷
- Brachycoryna**
horni Weise Ore.¹⁷
mitchelli White 39-55 Cal.
- Psylliodes**
cucullata Ill. 07-172 N.B.²⁰ Eur.
- Uroplata**
uniformis (Smith) 85-94 ²¹ Ariz.
- Microrhopala** Chev. 37-365 ²²
- Parorectis** Spæth 01-346
 (*Orectis* Spæth 01-346)²³
 (not Lederer, 1857)
 sublævis (Barber) 46-102 Tex.
 callosa (Boh.) 54-471 S.C. Fla. Tex.
- Deloyala** Chev. 37-371
 (*Chirida* Chap. 75-406)²⁴
- Hemisphaerota** Chev. 37-367
 (*Porphyraspis* Hope 40-154)²⁴

¹⁷ Fender—45.¹⁸ Brown—42.¹⁹ Malkin—43.²⁰ Brown—46.²¹ Transferred from *Microrhopalus* by McCauley—39.²² Erroneously credited to Dejean by McCauley—38. (See Barber & Bridwell—40.)²³ Barber—47.²⁴ Barber & Bridwell—40.²⁵ Bridwell—46; generic revision.²⁶ Bridwell—46, uses *Bruchidæ*, *Bruchinæ*, and *Bruchus*.²⁷ Bradley—47.MYLABRIDÆ ^{25 26}**Pachymerinæ** ²⁵

- Caryobruchus** ²⁵
gleditsiæ (L.)

Amblycerinæ ²⁵

- Amblycerus** ²⁵

- Zabrotes** ²⁵

Mylabrinæ ^{25 26}

- Mylabris** Geoff.^{27 28}
 (*Bruchus* L.)²⁶
 knulli White 41-189 Ariz.

- Megacerus** Fähræus 39-? ^{25 27}
 (*Pachybruchus* Pic 12-92)²⁷
 coryphæ (Oliv.)
 discoideus (Say)
 impiger (Horn)
 schæfferianus Bridw.
 crenatus || Schffr. ²⁷
 arenarius Wole.²⁷

- Callosobruchus** Pic 02-6 ²⁵
 chinensis (L.)
 maculatus (F.) 75-65
 quadrifasciatus (Fab.) 92-371
 barbicornis (Fab.) 01-403
 bistriatus (Fab.) 01-402
 chinensis (Thumb.) 16-46 (not L.)
 longicornis (Thumb.) 16-47
 litteratus Schönh. 33-102

- Stylanthus** Bridw. 46-54
 macrocerus (Horn)

- Gibbobruchus** ^{25 27}
 mimus (Say)

- Meibomeus** Bridw. 46-54
 musculus (Say)

- Merobruchus** Bridw. 46-54
 julianus (Horn)
 major (Fall)²⁷

- Acanthoscelides** Schilsky 05-c ²⁵
 pectoralis (Horn)
 floridæ (Horn)
 innotatus (Pic)
 obsoletus (Say)
 longistilis (Horn)
 alboscuteclatus (Horn)

²⁸ Bradley (47-33) lists two species of *Mylabris* that have "escaped record in the supplements to Leng's Catalogue. . . ." He admits, however, that "both of the species are accidental importations of adults that would be unable to establish their progeny in dried lentils, and therefore are under no likelihood of becoming established." This argument explains fully why these species (*M. signaticornis* Gyll. and *M. lentis* Froel.) should not be in the catalog. However, *M. lentis* was listed on page 306 of the Catalogue as no. 16244½, a fact which apparently escaped Mr. Bradley.

- tenuis Bott.³⁰
 obtectus (Say)
 perforatus (Horn)
 calvus (Horn)
 fraterculus (Horn)
- Mimosestes** Bridw. 46-54
 sallæi Shp.
- Algarobius** Bridw. 46-54
 prosopis Lec.
uniformis Lec.
desertorum Lec.
- Nelium** Bridw. 46-54
 arizonensis (Schffr.)
 gibbothorax (Schffr.)²⁷
 texanus (Schffr.)²⁷
- Stator** Bridw. 46-55
 pruininus (Horn)³¹

Ceridiestes Bridw. 46-55
 ulkei (Horn)

Althæus Bridw. 46-55
 hibisci (Oliv.)

Sennius Bridw. 46-55
 bivulneratus (Horn)²⁷
 cruentatus (Horn)
 nigrinus (Horn)²⁷

Sparteus Bridw. 46-55²⁹
 fasciatus (Oliv.) 95-20 Mass.²⁷
cisti Payk.²⁷
 villosus (Fab.)²⁵

Abutiloneus Bridw. 46-55
 idoneus Bridw. 46-55
flavicornis Shp. (not Fab.)
 seminulum (Horn)
 atomus (Fall)

Kytorhininae²⁵

Kytorhinus Fisch.²⁵
 prolixus (Fall)

BRENTIDÆ

Arrhenodes Schönh. 26-70
 (*Eupsalis* of No. American authors)³²

Paratraehelizus Kleine 21-32
 (*Trachelizus* of No. American
 [authors])³²

²⁹ Cited as a subgenus of *Bruchidius* by Bradley—47, and also as a synonym of *Spermophagus*.

³⁰ Bradley's remarks on the listing of this species in the Fourth Supplement fail to give consideration to the status assigned to the generic names in the original Catalogue.

³¹ The proposed transfer of this species to *Bruchidius* by Herford in foreign literature was overlooked in the Fourth Supplement, but its acceptance would have been prevented by the status assigned to *Bruchidius*. The oversight was not the cause of the omission, as implied by Bradley—47.

ANTHRIBIDÆ^{33 34}

(*Platystomidæ*)³³

Ormiseus Waterh. 45-37
 (*Toxotropis* Lec. 76-397)³²
 (*Gonops* Lec. 76-398)³⁵

Piesoeorynus Dej. 37-257
 (*Piezocorynus* Schönh. 39-250)³²

Neanthribus Jordan 06-341
 (*Pseudanthribus* Pierce 30-24)³²
 (*Anthribus* of authors, not Geoff.)³²
 (*Neanthribus* Leng & Mutch. 14-481)³⁵

Euxenus
 ater Blatch. 28-238³⁶ Fla.

CURCULIONIDÆ

Attelabus
 foveipennis Suffr. 70-228³⁷ Ill.

Pseudooneorhinus
 bifasciatus Rœlofs 79-xxiv
setosus of Amer. authors³²

Cyrtepistomus Marshall 13-186
 (*Mylocerus* of authors, not [Schönh.])³²
 (*Corigetis* of authors, not Desbr.)³²
 castaneus Rœlofs 73-168 N.Y. N.C.
 Japan³²

Phyxelis Schönh. 43-122³⁸

OPHYRASTINI³⁹

Sapotes Csy. 88-241³⁹
 * puncticollis Csy. 88-241 Tex.-Ariz.
 longipilis VanD. 34-175 Ariz.

Eupagoderes Horn 76-32³⁹

I
 * desertus Horn 76-34 Ariz. Cal.
giganteus Chitt. 26-169³⁹
 californicus Ting 39-81 Ariz. Cal.
 geminatus Horn 76-35 Nev. Cal.
 griseus A.C.Davis 47-498 Cal.
 aeneus A.C.Davis 47-498 Utah
 mortivallis Fall 10-192 Cal.
 v.approximatus A.C.Davis 47-502 Cal.

II
 robustus A.C.Davis 47-503 Ariz. Cal.
 III
 decipiens Lec. 53-445 Tex.-Ariz. Mex.
 v.dunnianus Csy. 88-240³⁹ Tex.

³² Buchanan in litt.

³³ This arrangement preferred by most recent writers.

³⁴ Key to subfamilies and some genera on larval characters. Anderson—47.

³⁵ Blackwelder—47.

³⁶ Transferred from *Collabismodes* by Buchanan in litt.

³⁷ Voss, in *Junk Catalog* (pars 110), places this in *Apoderus*, a genus which does not occur in the *New World*; Buchanan in litt.

³⁸ Transferred from *Eremninae* to *Leptopinae* by Marshall—44.

³⁹ A. C. Davis—47; revision.

- pilosus* A.C. Davis 47-507 Colo.
varius Lec. 53-444 Utah Nev. Ariz. Cal.
v. plumbeus Horn 76-35³⁹ Cal.
aridus Fall 10-192 Ariz. Cal.
 IV
speciosus (Lec.) 53-444 Tex. Mex.
nivosus Fall 10-190 Ariz.
marmoratus Fall 10-191 Ariz.
sordidus Lec. 53-445 Kan.-Tex.-Ariz.
simulans VanD. 34-176 Tex.
argentatus Lec. 53-444 Utah Nev. Ariz.
 V
lucanus Horn 76-34 L. Cal.

setosus VanD. 34-179 Ariz.
huachuca VanD. 34-180 Ariz.
halli VanD. 34-181 Ariz.
cretaceus Shp. 91-96⁴⁰ Ariz. Mex.
utahensis Tann. 39-31⁴⁹ Utah
hardyi Tann. 39-31⁴⁹ Utah
Amydrogmus Pierce 13-374³⁹
 * *variabilis* Pierce 13-374 Tex.
Ophryastes Schönh. 33-508³⁹
 * *wiekhami* Shp. 01-88 N.M.-Cal.
shufeldti Csy. 88-238 N.M.
ocellatus (VanD.) 34-177 Colo. N.M.
 [Utah
latirostris Lec. 53-443 Colo.-Ore.-Mex.
validus Lec. 54-225⁴⁰
symmetricus Fall 07-260 N.M. Ariz.
sulcipennis Csy. 88-239 N.M.
sulcicrostris (Say) 24-316 Mont.-Tex.-
ligatus Lec. 53-443³⁹ [N.M.
porosus Lec. 54-225 Alb.-Mex.
collaris Champ. 11-319 Tex. Mex.
tuberosus Lec. 53-443 Alb.-Tex.-Ariz.
ovipennis Shp. 91-90 Tex. Mex.
bituberosus of Pierce 09-344³⁹
vittatus (Say) 24-316 Kan.-Tex.-Nev.
Tosastes Shp. 91-91³⁹
 * *globularis* Pierce 09-344 N.M.
ovalis Pierce 09-345 Tex. Ariz.
cinerascens Pierce 13-376 Wash.
Rhigopsis Lec. 74-459³⁹
 * *effracta* Lec. 74-459 Cal.
simplex Horn 94-442 L. Cal.
 * * *
Cimboecera Horn 76-55⁴¹
 * *buchanani* Ting 40-134 Colo.-Tex.-Ariz.-
 [Utah
pauper Horn 76-56 Alb.-Wyo.
conspersa Fall 07-261 Colo.-Ariz.
sericca Pierce 13-379⁴¹
albovestita VanD. 34-190⁴¹
 * * *
petersoni Tann. 41-29 Utah
Paracimboecera VanD. 38-1⁴¹
 * *atra* VanD. 38-2 Nev.
artemisiæ Ting 40-139 Wyo. Colo. Nev.
 [Ida.
- robusta* (VanD.) 35-2⁴² Cal.
Miloderoides VanD. 36-74⁴¹
 * *maculatus* VanD. 36-76 Ida.
cinerea (VanD.) 35-1⁴² Colo.
argenteus VanD. 35-4⁴¹
 * * *
vandykei Tann. 42-23 Utah
Cryptolepidus VanD. 36-191⁴¹
 * (*Lepidopus* VanD. 36-76)⁴¹
nevadicus VanD. 36-77 Nev.
planifrons Ting 40-146 Nev.
leechi Ting 40-147 Cal.
cazieri (VanD.) 36-73⁴² Ariz. Cal.
rugicollis Ting 40-149 Nev.
Calomyeterus
setarius Roelofs 73-175 Mass.-D.C.-Iowa⁴²
Minyomerus
microps (Say) 31-9³² Mo.
Pandeleteius
viridissimus VanD. 43-108 Ariz.
Erieydeus Pasc. 80-442
 (*Cyphus* Germ. 24-427)³²
Lachnopus
floridanus Horn 76-101⁴³ Fla.
Apotomoderes Dej. 34-235
 (*Apotomoderus* Chev. 78-1iv)⁴⁷
albicans Lac. 63-pl. 62 Cal.⁴⁷
Graphognathus Buch. 39-11⁴⁴
 * *peregrinus* (Buch.) 39-14 Ala. Miss.
minor (Buch.) 42-107 Fla.
leucoloma (Boh.) 40-62 (not No. Amer.)⁴⁰
*r.*⁴⁵ *pilosus* (Buch.) 42-107 Ala.
r. striatus (Buch.) 42-108 S.C.-La.
r. dubius (Buch.) 42-109 N.C.-Fla.-
 [Miss.
r. fecundus Buch. 47-21 Fla. Ala.
r. imitator Buch. 47-21 N.C.
Naupactus (not No. Amer., see *Grapho-*
gnathus)⁴⁰
Barypeithes J. du V. 55-13
 (*Barypithes* VanD. 47-96, and 36-
 [82]
pellucidus (Boh.) 34-507 Cal.⁴⁶
pallucida VanD. 47-96
Myllocerus
hilleri Faust 89-222 Conn. Pa. D.C.
 Japan⁴⁷
Ceropeus
artemisiæ Pierce 10-365⁴⁸ Ida. Mont.
parvulus (VanD.) 36-78^{48a}
Chaetechus
asperatus (Boh.) 44-116 Mass.
setiger Horn 76-78⁴⁷
Aphrastus Say 31-9
 (*Micronychus* Prov. 77-508)⁴⁹
teniatus Say 31-9
sulcatus (Prov.)⁴⁹

³² Buchanan in litt.³⁹ A. C. Davis—47; revision.⁴⁰ Buchanan—47.⁴¹ Ting—40; revision.⁴² Transferred from *Cimboecera* by Ting—40.⁴³ Distinct species, Buchanan in litt.⁴⁴ Distinct genus, Buchanan—47.⁴⁵ Race.⁴⁶ Van Dyke—47.⁴⁷ Buchanan in litt.⁴⁸ Does not belong here; Ting—40.^{48a} Ting in litt.⁴⁹ Brown in litt.

- Phyllobius**
 oblongus (L.) N.B.⁵⁰ N.Y.⁵¹ Europe
- Liophleus** Germ. 17-341
 tessulatus Müller 76-87 N.Y.⁵²
 nubilus Fab. 76-228⁵³
- Hypera**
 punctata (Fab.) Cal.⁵⁴
- Listronotus**⁵⁵
 ingens Henderson 40-243 Ind.-Tex.
 squamiger (Say) 31-11 Mass.-N.C.-Cal.-
inaqualipennis (Boh.) 40-189 [B.C.
 sordidus (Gyll.) 34-280 Que.-La.-Colo.
distinguendus (Gyll.) 34-281⁵⁵
obliquus Lec. 76-129⁵⁵
 manifestus Henderson 40-269 Tex.
 rotundicollis Lec. 76-132 Pa.-Tex.
cribricollis Lec. 76-134⁵⁵
 distinctus Henderson 40-274 Tex.
 blatchleyi Henderson 40-279 Fla.
callosus Blatch. 28-241, not Lec.⁵⁵
 blandus Henderson 40-282 Ga.-Fla.-La.
 oregonensis Lec. 60-55 Que.-Miss.-Ore.
rudipennis Blatch. 16-162⁵⁵
impressifrons Lec. 76-134⁵⁵
latusculus Lec. 76-133 (not Boh.)⁵⁵
 s.tessellatus Csy. 95-828⁵⁵ Alb.-Colo.
 nebulosus Lec. 76-133
sulcirostris Lec. 76-132⁵⁵
 similis Henderson 40-304 Tex.
 appendiculatus (Boh.) 42-192 Me.-Tex.-
floridensis Blatch. 16-160⁵⁵ [B.C.
impressus VanD. 29-106⁵⁵
leucoconatus Chitt. 26-341⁵⁵
 insignis Henderson 40-313 Fla.
- Dorytomus**
 rubidus Tanner 39-32 Utah
- Grypus** Germ. 17-340
 (*Grypidius* Schönh. 26-231)⁴⁷
- SMICRONYCHINI*⁵⁷
- Smicronyx**
 utilis Buch. 41-29 Sask.
 commixtus Dietz 94-160
caseyi Blatch. 16-10⁵⁶
 vestitus Lec. 76-172
connivens Csy. 92-389⁵⁶
spurcus Csy. 92-393⁵⁶
 SYNERTHA Dietz 94-172⁵⁸
 cuscutifloræ Pierce 39-48 Cal.
 PACHYPHANES Dietz 94-115⁵⁸
 celænus Pierce 39-50 Cal.
 elsegundinis Pierce 39-52 Cal.
- * * *
- Anchodemus**
 lutulentus (Boh.) 43-165 Pa.⁵⁹
- Hydronomi⁶⁰
- Bagous**⁶¹
 lengi Tanner 43-13 Ind. Iowa
 blatchleyi Tanner 43-14 Fla.
 mamillatus Say 31-28
mammillatus Leng 20-320
 longirostris Tanner 43-18 N.Y. Mich.
 texanus Tanner 43-20 Fla. Tex.
 chandleri Tanner 43-26 Mont. Utah
 tingi Tanner 43-27 Cal.
 floridanus Tanner 43-30 Fla.
- * * *
- Pnigodes**⁶¹
 buchanani Tanner 43-33 La.
 tuberosus Tanner 43-35 Iowa
- Schizomicrus** Csy. 05-164⁶²
- Neotylotus** Hust. 39-60
 (*Tylopterus* Lec. 76-215)⁵⁹
- Tychius**
 griseus Schffr. 08-217⁶³ Me.-N.Y.
 picirostris Fab. 87-101 Wash. B.C.^{63a}
- Anthonomus**
 nubiloides Fall 28-239 Me. Mass.⁵⁹
rutilus (Boh.) 43-165⁵⁹
- Odontopus** Say 31-15
 (*Prionomerus* Schönh. 36-359)⁶⁴
- Nanophyes**
 canadensis Brown 44-10 Man. Alta.
- Corimalia** Goziz
 pallidulus (Grav.) 85-129⁶⁵ U.S. Europe
- Sternechus**⁶⁶
- Cosmobaris**
 americana Csy. 20-344
scolopacea of authors, not Germ.⁵⁹
squamiger Hayes 36-27⁵⁹
sionilli Hayes 36-28⁵⁹
- Glyptobaris**
 lecontei Champ. 09-404
rugicollis (Lec.) 76-297⁵⁹
- Acentrinops**
 brevicollis Csy. 20-457
centrinoides (Green) 20-200⁶⁷
- Lechriops** Schönh. 26-306
 (*Gelus* Csy. 97-667)⁵⁹
- Peltophorus** Schönh. 45-451
 * (*Zygops* of Amer. authors)⁵⁹
 polymitis Boh. 45-482
 v.seminivus Lec. 84-31⁵⁹
 v.suffusus Csy. 92-495⁵⁹
 adustus Fall 06-61

⁵⁰ Gorham—43.⁵¹ Felt—28; Carruth—36.⁵² Felt—18; Felt—20.⁵³ Junk Catalog.⁵⁴ Smith & Michelbacher—45.⁵⁵ Henderson—40; key to species.⁵⁶ Buchanan—40.⁵⁷ Pierce—39; key to genera.⁵⁸ Pierce—39; key to species.⁵⁹ Buchanan in litt.⁶⁰ Tanner—43; key to genera.⁶¹ Tanner—43; key to species.⁶² Belongs in Raymondionyminae, Tanner—43.⁶³ Distinct species, Venables—43.^{63a} Venables—43.⁶⁴ Buchanan in litt.⁶⁵ Transferred from Nanophyes by Brown—44.⁶⁶ Placed in Hylobiinae in Junk Catalog.⁶⁷ Green in litt.

Cylindrocopturus

- furnissi Buch. 40-178 Cal.-Wash.
deleoni Buch. 40-179 Wyo. Mont. Ida.
eatonii Buch. 40-181 Cal.

Acoptus

- (*Homogaster* Prov. 77-530)⁶⁸
suturalis Lec. 76-264
quebecensis (Prov.) 77-530⁶⁸

Acanthoscelidius

- (*Acantharhtrus* Marshall 39-583)⁵⁹

Ceutorhynchus

- hearnei Brown 40-186 Man.
munki Brown 40-187 Man.
assimilis Payk. 00-257 Cal. Wash. Eur.⁶⁹

Rhinoncus

- castor (Fab.) 92-408 N.S.-Ont.-Va.⁷⁰

Conotrachelus Dej. 35-296

- (*Cyphorrhynchus* Schönh. 37-458)⁷¹
(*Glycaria* Pascoe 80-181)⁷¹
(*Edesius* Pascoe 81-305)⁷¹
(*Loeptes* Csy. 10-130)⁷¹

- buchanani Schoof 42-51 N.J.-D.C.-Iowa-
[Tex.
iowensis Schoof 42-57 Ill. Iowa
hicoloræ Schoof 42-69 N.J.-Fla.-Tex.-Kan.
hayesi Schoof 42-85 Ill. Iowa La.
tibialis Schoof 42-91 Mass.-Miss.-La.-
naso Lec. 76-231 [Kan.

- cinereus* VanD. 30-158⁷¹

- recessus Csy. 10-130

- atokanus* Fall 13-65⁷¹

- cribricollis (Say) 31-28

- puncticollis* Walsh. 64-310⁷¹

- anaglypticus (Say) 31-18 Ont.-Fla.-Tex.

- rubiginosus* Boh. 45-28

- leucophaæatus Fähr. 37-417

- demens* Boh. 37-31⁷¹

- carolinensis Schoof 42-137 Mass.-Fla.-
[Ariz.
La. Tex.

Faustinus Berg 98-18

- (*Euxenus* Faust 96-47, not Lec.)³²
(*Collabismodes* Champ. 05-541)³²
(*Euxenodes* Bovie 07-67)³²

Acamptus

- echinus Csy. 92-445 (not 95-837)⁵⁹ N.Y.
(not Ariz.)⁵⁹

Dryotribus Horn 73-433

- (*Thalattodora* Perk. 00-146)⁷²
mimeticus Horn 73-433 Fla. W.I. Pac.Is.⁷²
insignis Perk. 00-146⁷²

Macranelytus Lec. 76-338

- (*Haloxenus* Perk. 00-148)⁷²
linearis Lec. 76-339 Fla. W.I. Hawaii⁷²
immigrans Perk. 00-148⁷²

Pselactus Brown 86-972

- * spadix (Hbst.) 95-256^{72a} N.Y. N.J. Eur.

³² Buchanan in litt.

⁵⁹ Buchanan in litt.

⁶⁸ Brown in litt.

⁶⁹ Hagen-46.

⁷⁰ Brown in litt. & Buchanan in litt.

⁷¹ Schoof-42.

^{72a} Csiki-36 and Buchanan in litt.

⁷² Zimmerman-40.

Phlecocephalus

- minor Horn 73-443
carinatus Blatch. 16-545⁷³
apionides Horn 73-443
apionoides Csiki 36-143

Cossoninæ**Rhyncolus**⁷⁵

- (*Xylocomesus* Thatch. 40-89)⁷⁴
cercocarpus Thatch. 40-90⁷⁴ Nev.
knowltoni Thatch. 40-90⁷⁴ Utah
brunneus Mannh. 43-295 N.Y.-N.M.-
relictus Csy. 92-705⁷³ [Alas.
californicus Woll. 73-645⁷³
macrops Buch. 46-130 N.S.-N.Y.-Ore.-
[B.C.
cylindricollis Woll. 73-645 Utah-Cal.-B.C.
discors Csy. 92-707 Fla.-La. Mich.
oregonensis Horn 73-445 N.C.-Mich.-
[Ariz.-Ore.
nimius Csy. 92-706 N.M.
protensus Woll. 73-647 Cal.

* * *

Calendra Clairv. 98-62

- (*Calendra* Clairv. 98-pl. 2)⁵⁹
(*Sphenophorus* Schönh. 26-327)⁵⁹
eugenia Satt. 43-52 Ore.

Sitophilus Schönh. 38-967

- (*Calendra* of foreign authors)⁵⁹
(*Calendra* of American authors)⁵⁹

PLATYPODIDÆ**Platypus**

- wilsoni Swaine 16-97 (not 15-48)⁷⁶

SCOLYTIIDÆ**Xylocomesus** Thatcher 40-89⁷⁷**Pagiocerus**

- frontalis Fab. 01-389 N.C. Fla. Cuba
rimosus Eich. 68-148⁷⁸

Renocis Csy. 86-257⁷⁹

- * (*Pseudocryphalus* Swaine 17-20)⁷⁹
parkinsoniæ Blackm. 40-378 Ariz.
maclayi (Bruck) 36-35 Cal.
pruinosis Blackm. 40-383 Ariz. Cal.
fasciatus Blackm. 40-385 Ariz.
heterodoxus Csy. 86-257 Utah Nev. Ore.
brunneus Blackm. 40-389 N.M.
fuscus Blackm. 40-391 Ariz.
commixtus Blackm. 40-392 Colo. Ariz.
brittaini (Swaine) 17-20 B.C.

⁷³ Buchanan-46.

⁷⁴ Buchanan-42; transferred from Scolytiidæ.

⁷⁵ Buchanan-46; key to species of group I.

⁷⁶ W. J. Chamberlin in litt.

⁷⁷ Transferred to Curculionidæ-Cossoninæ,

Buchanan-42.

⁷⁸ Eggers-28.

⁷⁹ Blackman-40; revision and key.

- criddlei (Swaine) 17-21 Man.
 penicillatus Bruck 33-239 Colo. Ut. Ariz. Cal.
- Phloeosinus** Chapuis 69-37⁸⁰
 * pini Swaine 15-362 Man.
 piceæ Swaine 34-205 Que.
 alaskanus Blackm. 42-409 Alaska
 hoppingi Swaine 15-364 Cal.
 hoferi Blackm. 42-412 Wyo.-Tex.-Ariz.
 keeni Blackm. 42-414 Wash.
 antennatus Swaine 24-146 Cal.
 spinosus Blackm. 42-417 N.M. Ariz.
 swainei Bruck 33-56 Cal.
minus || Swaine 17-9⁸⁰
 granulatus Bruck 36-33 Cal.
 frontalis Bruck 33-55 Cal.
 setosus Bruck 33-65 Cal.
 arizonicus Blackm. 42-424 Ariz.
 vandykei Swaine 15-366 Cal.
russus Swaine 24-148⁸⁰
 fulgens Swaine 24-147 Cal.
 splendens Blackm. 42-428 Ore.
 punctatus Lec. 76-381 Cal.-Wash.
 rubicundulus Swaine 24-144 Cal.
 buckhorni Blackm. 42-432 Ore.
 kaniksu Blackm. 42-434 Ida. Wash.
 rusti Blackm. 42-435 Wash.
 variolatus Bruck 31-126 Cal.
 nitidus Swaine 24-145 Ore.
 cupressi Hopk. 03-35 Cal.
 cristatus Lec. 68-169 Ariz. Cal.
 chiricahua Blackm. 42-444 Ariz. Mex.
 sequoia Hopk. 03-33 Cal. Ore.
 squamosus Blackm. 42-448 Wash.
 taxodii Blackm. 22-61 Miss.
 dentatus (Say) 25-258 N.H.-Ga.-Tex.-
graniger (Eich.) 68-147⁸⁰ [Neb.
haagii (Eich.) 68-148⁸⁰
enixus Blackm. 21-56⁸⁰
 juniperi Swaine 17-10 Cal.-Wash.
 serratus (Lec.) 68-170 N.Y.
 utahensis Swaine 15-363 Utah N.M. Ariz.
 aciculatus Bruck 31-127 Tex.-Ariz.
 neomexicanus Blackm. 42-460 Colo.-Ariz.
 texanus Blackm. 42-462 Tex.
 canadensis Swaine 17-8 Que. e.U.S.
 scopulorum Swaine 24-148 Ore.-B.C.
 rugosus Swaine 17-9 Cal.
 furnissi Blackm. 42-469 Wyo.-N.M.-Ariz.
 chamberlini Blackm. 42-470 Cal. Ore.
- Carpobius** Blackm. 43-398
 arizonicus Blackm. 43-398 Ariz.
- Leperisinus**
 hoferi Blackm. 43-394 N.M. Ariz.
 oregonus Blackm. 43-396 Ore.
- Pseudohylesinus** Swaine 17-11⁸⁰
 * nebulosus (Lec.) 59-285 Colo.-N.M.-
 [Cal.-B.C.
 serratus Bruck 36-37 Cal.
 pullatus Blackm. 42-9 Wash.
 dispar Blackm. 42-11 Cal.-Wash.-Mont.
 maculosus Blackm. 42-12 N.M. Ariz. Utah
 granulatus (Lec.) 68-175 Cal.-B.C.-
 Mont.
- tsugæ Swaine 17-11 Cal.-B.C.
 zobesus Swaine 17-15 B.C.
 keeni Blackm. 42-17 Ore.
 similis Blackm. 42-18 Ore. Wash.
 nobilis Swaine 17-12 Ore. Wash.
 furnissi Blackm. 42-21 Ore. Wash.
 grandis Swaine 17-13 Cal.-Alas. Mont.
 sitchensis Swaine 17-12 Cal.-B.C.
 sericeus (Mannh.) 43-296 Cal.-B.C.
- Hylastes** Er. 36-47
 (*Tomicus* Latr. 02-203)⁸¹
 (*Hylurgus* Latr. 07-274)⁸¹
 pusillus Blackm. 41-23 Fla.
 parvus Blackm. 41-24 N.M. Ariz.
 minutus Blackm. 41-25 Mont. Nev. Cal.
 subopacus Blackm. 41-9 Colo. N.M.
 [Utah
 webbi Blackm. 41-10 S.D. Mont.
 porculus Er. 36-49
swainei Eggers 34-25⁸¹
 canadensis Blackm. 41-15 Man.
 fulgidus Blackm. 41-18 N.M. Ariz.
 nigrinus Lec.⁸² Cal.
- Pseudothysanoes** Blackm. 20-46
 (*Pseudothysantes* G.N.Wolcott 36-
 [318]
 (*Pseudothysantes* G.N.Wolcott 36-
 [595]
 huachuca Blackm. 43-355 Ariz.
- Micracinae**⁸³
- Hylocurus** Eich. 71-133
 biconcavus Blackm. 43-344 Ky.
 flaglerensis Blackm. 43-345 Fla.
 crinitus Blackm. 43-347 Cal.
- Micracis**
 knulli Blackm. 43-348 Ariz.
- Micracisella**
 submitida Blackm. 43-350 Ariz.
- Thysanoes**⁸⁴
 texanus Blackm. 43-352 Tex.
 vachelliae Blackm. 43-354 Tex.
- * * *
- Stenoclyptus** Blackm. 43-356
 rhois Blackm. 43-357 Cal.
 ceanothi Blackm. 43-358 Cal.
- Cryptocleptes**⁸⁴
 acaciæ Blackm. 43-362 Tex.
- Hypocryphalus** Hopk. 15-41
 magniferæ (Stebb.) 14-542 Fla. Brazil
 [India⁸⁵
- Coccotrypes**
 dactyliperda (Fab.) Cal. L. Cal. Old
 [World⁸⁶
- Tachyderes** Blackm. 43-35
 floridensis Blackm. 43-36 Fla. Tex. Mex.

⁸⁰ Blackman—42; revision and key.⁸¹ Blackman—41.⁸² Linsley & Michener—43; (apparently *Hylastes nigrinus* Mannh.).⁸³ Blackman—43; key to genera.⁸⁴ Blackman—43; key to species.⁸⁵ W. H. Anderson in litt.⁸⁶ Linsley—43.

SCOLYTIDÆ

Ips

swainei R.Hopp. 39-169

B.C.

Xylechinus

montanus Blackm. 40-123

Mont.

Xylosandrus Rtt. 13-32zimmermanni (Hopk.) 15-68⁸⁷

Fla.

Dryocertesgranicollis (Lec.) 68-162 [add parentheses]⁷⁶germanus (Blfd.)^{88 89}N.Y.-W.Va.-
[Ohio Orient⁷⁶ W. J. Chamberlin in litt.⁸⁷ Transferred from Anisandrus, W. H. Anderson
in litt.⁸⁸ W. D. Buchanan—40.⁸⁹ As Xyleborus, Felt—32.

ADDITIONAL NECROLOGY

- Beaulieu, Germain, b. 1870; d. June 1944.
Blackman, Maulsby Willett, b. March 26, 1876; d. October 12, 1943.
Blaisdell, Frank Ellsworth, Sr., b. March 13, 1862; d. July 6, 1946.
Blatchley, Willis Stanley, b. October 6, 1859; d. May 28, 1940.
Bock, George W., b. June 23, 1856; d. July 22, 1940.
Borchmann, F., d. 1943.
Brimley, Clement Samuel, b. December 18, 1863; d. July 23, 1946.
Chamberlain, K. F., b. 1893; d. December 4, 1947.
Cockerell, T. D. A., b. August 22, 1866; d. January 26, 1948.
Davis, Alonzo Clayton, b. March 4, 1901; d. January 4, 1942.
Davis, William T., b. October 12, 1862; d. January 22, 1945.
Dietz, Henry J., d. December 8, 1945.
Dury, Charles, b. November 14, 1847; d. July 20, 1931.
Eggers, H., b. 1872; d. July 6, 1947.
Englehardt, George P., b. November 23, 1871; d. May 24, 1942.
Falkenström, Gustaf, b. November 13, 1867; d. August 15, 1942.
Fall, Henry Clinton, b. December 25, 1862; d. November 14, 1939.
Gahan, Charles Joseph, b. 1862; d. January 21, 1939.
Garman, Harrison, b. December 27, 1856; d. August 7, 1944.
Gebien, H., b. October 4, 1874; October 9, 1947.
Germain, Frère, b. 1887; d. 1938.
Hanham, Abdiel William, b. 1857; d. January 18, 1944.
Heberdey, R. F., d. April 17, 1945.
Henshaw, Samuel, b. January 29, 1852; d. February 5, 1941.
Hoffman, William Albert, b. April 18, 1894; d. April 4, 1943.
Hopping, Ralph, b. April 8, 1868; d. October 29, 1941.
Horn, Walther, b. October 19, 1879; d. July 10, 1939.
Junk, W., d. December 1942.
Leng, Charles William, b. April 6, 1859; d. January 25, 1941.
Liebeck, Charles, b. October 26, 1863; d. February 24, 1947.
Löding, H. P., b. 1869; d. February 25, 1942.
Lutz, Frank E., b. September 15, 1879; d. November 27, 1943.
Mank, Edith W., b. September 20, 1892; d. July 17, 1945.
Nunenmacher, F. W., b. March 28, 1870; d. April 29, 1946.
d'Orchymont, Armand, d. February 9, 1947.
Schaeffer, Charles, b. July 12, 1860; d. August 29, 1934.
Schenkling, Sigmund, b. July 11, 1865; d. December 12, 1946.
Schott, Fred M., b. May 31, 1887; d. January 6, 1946.
Sherborn, Charles Davies, b. 1861; d. June 22, 1942.
Sherman, Franklin, b. November 2, 1877; d. June 23, 1947.
Slevin, Louis Stanislaus, b. November 7, 1879; d. November 9, 1945.
Upton, R. G., d. November 25, 1947.
Voris, Ralph, b. June 23, 1902; d. May 9, 1940.
Watson, J. R., b. August 1, 1874; d. June 6, 1946.
Webb, Jesse Lee, b. April 9, 1878; d. January 20, 1942.
Winters, Frederick Edward, b. March 17, 1885; d. July 17, 1946.

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- Andrewes, H. E.**
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- Arnett, R. H., Jr.**
41. Rev. . . Silphini, Microphorini <Jl.N.Y.Ent.Soc.,52,1-25.
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- Balduf, W. V.**
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- Balfour-Browne, F.**
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- Balfour-Browne, W. A. F.**
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- Balthasar, V.**
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- Barr, W. F.**
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 01. *Scarabéides* de . . . Québec <Nat.Canad.,28,20-23,83-86,99-102.
 03. *Scarabéides* de . . . Québec <Nat.Canad.,30,10-13,38-42,107-111,
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 14. Les Coleop. du Canada
 Cicindelides <Nat.Canad.,40,103-111,122-123.
 Carabidae <Nat.Canad.,40,152-156,171-176,
 177-180;41,28-31,40-48,55-62,
 71-78,87-94.
 15. *Carabidae* (cont.) <Nat.Canad.,41,108-111,120-127,
 139-143,155-160,171-175,189-192;
 42,13-15,29-31,45-47,59-63.
 16. *Carabidae* (cont.) <Nat.Canad.,42,158-160,187-191;
 43,10-15,22-26.
 Amphizoidae <Nat.Canad.,43,78.
 Haliplidae <Nat.Canad.,43,78-80,90-92.
 Dytiscidae <Nat.Canad.,43,92-96.
 17. *Dytiscidae* (cont.) <Nat.Canad.,43,105-111,138-141.,
 156-159,172-175;44,14-16.
 18. *Dytiscidae* (cont.) <Nat.Canad.,44,110-111,123-128.
 Gyrinidae <Nat.Canad.,44,159-160,171-174.
 Hydrophilidae <Nat.Canad.,44,175-176,187-191;45,
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 19. *Hydrophilidae* (cont.) <Nat.Canad.,45,110-112,127-128,140.
 Platypsyllidae <Nat.Canad.,45,140.
 Leptinidae <Nat.Canad.,45,140-141.
 Silphidae <Nat.Canad.,45,142-143,157-160,
 173-175,186-191; 46,45-47.
 Scydmaenidae <Nat.Canad.,46,47-48,69-72.
 Pselaphidae <Nat.Canad.,46,94-96,117-119,
 136-143.
 20. *Pselaphidae* (cont.) <Nat.Canad.,46,164.
 Staphylinidae <Nat.Canad.,46,165-167,181-185,
 212-216,235-239,260-263,274-284;
 47,66-71,89-95,117-120,138-142.,
 21. *Staphylinidae* (cont.) <Nat.Canad.,47,279-284;48,21-24,
 42-48,64-72,89-96,113-120,
 141-144.
 22. *Ptiliidae* <Nat.Canad.,48,165-167,188-191.
 Scaphidiidae <Nat.Canad.,48,191,212-214.
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 Orthoperidae <Nat.Canad.,48,238-239,260-262.

- Coccinellidae <Nat.Canad.,48,262-263; 49,18-24, 67-72,92-95.
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23. Erotylidae (cont.) <Nat.,Canad.,49,190-192.
- Colydiidae <Nat.Canad.,49,211-216.
- Rhyssodidae <Nat.Canad.,49,216,234-235.
- Cucujidae <Nat.Canad.,49,235-239,261-263.
- Cryptophagidae <Nat.Canad.,49,263-264,276-280;50, 68-69.
- Mycetophagidae <Nat.Canad.,50,69-71,90.
- Dermeestidae <Nat.Canad.,50,90-95,117-118,.
- Histeridae <Nat.Canad.,50,118-120,140-143.
24. Histeridae (cont.) <Nat.Canad.,50,163-167,185-187.
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 46. Nearctic Stenus (croceatus group) <Ann.Ent.Soc.Amer.,39,425-430.
 46. N. gen. nearctic Staph. <Jl.Kans.Ent.Soc.,19,130-133.
 47. N.Amer. . . . Stilicolina <Jl.Kans.Ent.Soc.,20,27-30.
- Sanderson, M. W. and Miller, A.**
 41. N.sp. . . . Rhadine from Ark. cave <Pr.Ark.Ac.Sci.,1,39-40.
- Satterthwait, A. F.**
 42. Weevils affecting chufa <Ent.News,53,11-16,37-43.
 43. New sp. Calendra from Ore. <Ent.News,54,52-53.
- Sawada, H.**
 37. Genus Serica of Japan <Nippon no Kôchû,1,8-36.
- Saylor, L. W.**
 39. Notes and desc. of U.S. scarabs <Jl.Wash.Ac.Sci.,29,452-459.
 39. 7 new scarabs from Calif. <Pr.Ent.Soc.Wash.,41,54-62.
 39. 2 new Calif. Phyllophaga <Pr.Ent.Soc.Wash.,41,88-91.
 40. Note on Serica pruiniipennis <Jl.Ent.Zool.,32,30.
 40. 10 new W.I. Phyllophaga <Jl.Wash.Ac.Sci.,30,305-314.
 40. Rev. of . . . Cotalpa & Paracotalpa <Pr.Ent.Soc.Wash.,42,190-200.
 40. Rev. of . . . Listrochelus <Pr.U.S.Nat.Mus.,89,59-130.
 40. Syn. cadaverinus-gr. of Aphodius <Pr.Biol.Soc.Wash.,53,99-104.
 41. A new U.S. Listrochelus <Pr.Ent.Soc.Wash.,43,145-146.
 42. Notes & n.g. of Phyllophaga <Pr.U.S.Nat.Mus.,92,157-165.
 43. Rev. rorulenta-gr. of Phyllophaga <Pr.Biol.Soc.Wash.,56,129-142.
 45. Syn. rev. of . . . Dynastinae, 1. <Jl.Wash.Ac.Sci.,35,378-386.
 46. Rev. of . . . Dichelonyx <Bull.Br.Ent.Soc.,40,137-158.
 46. Syn. rev. of . . . Dynastinae, 2. <Jl.Wash.Ac.Sci.,36,16-21.
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- Schedl, K. E.**
 39. Einteil. & geogr. Verbr. Platypodidae <Verh.7 Int.Cong.Ent.,1,377-410.
 40. Einteil. & syn. der Cryphalinae <Mitt.Mûnch.E.Ges.,30,583-591.
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 26. Curcul.disp.meth . . . <Lipsiae,1826, 338 pp.
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 42. Conotrachelus in no. cent.U.S. <Ill.Biol.Mon.,19,(3),1-170.
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 42. Col.assoc. w. ironweed . . . Kans. <Jl.Kans.Ent.Soc.,15,37-44.
- Seevers, C. H.**
 41. Tax.invest.termit.Staphylinidae <Ann.Ent.Soc.Amer.,34,318-349.
 43. (Pp. 546-586, see Seevers & Dybas)
 45. N.g. & spp. of Trichopseniinae <Pan-Pac.Ent.,21,63-72.
- Seevers, C. H. and Dybas, H. S.**
 43. Synopsis of Limulodidae <Ann.Ent.Soc.Amer.,36,546-586.
- Sheppard, R. W.**
 35. Col. . . jap beetle traps . . . Ont. <65. Ann.Rpt.Ent.Soc.Ont.,93-97.
 36. Ins . . . from Niagara's . . . searchlights <66. Ann.Rpt.Ent.Soc.Ont.,69-75.
 43. Jap beetle on Niagara frontier <73. Ann.Rpt.Ent.Soc.Ont.,20-24.
 46. Galerucella xanthomelaena in Ont. <Can.Ent.,78,22.
- Shull, A. F.**
 46. . . . spotless phase of Hippodamia <Ann Ent.Soc.Amer.,39,190-192.
- Siepmann, C. G.**
 39. Hister purpurascens . . . N.A. <Bull.Br.Ent.Soc.,34,10.
 39. Hist.puncticollis - H.osculatus <Bull.Br.Ent.Soc.,34,74.

- Smith, G. S.**
 45. *Agrilus vittaticollis* . . . B.C. <Pr.Ent.Soc.B.C.,42,14.
 45. *Calosoma lugubre* in Que. <Pr.Ent.Soc.B.C.,42,23.
 45. Collecting *Neolytus provoanus* <Pr.Ent.Soc.B.C.,42,28.
- Smith, R. F. and Michelbacher, A. E.**
 41. Clover leaf weevil in Calif. <Pan-Pac.Ent.,20,120.
 45. Abund. of *Hypera punctata*, 1945 <Pan-Pac.Ent.,21,118.
- Soraci, F. A.**
 40. Distr. in N.J. of *Corigetus castaneus* <Jl.N.Y.Ent.Soc.,48,318.
 41. Hibern. of *Corigetus castaneus* <Jl.N.Y.Ent.Soc.,49,138.
 47. . . . *Pseudocneorrhinus setosus* . . . <Jl.N.Y.Ent.Soc.,55,274.
- Spector, W.**
 43. Collecting *Trox* with feather bait traps <Ent.News,54,224-229.
- Spencer, G. J.**
 42. Ins . . . in bldgs. in B.C. <Pr.Ent.Soc.B.C.,39,23-29.
 45. . . . *Calendra aequalis* on rush . . . <Pr.Ent.Soc.B.C.,42,23.
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 39. Gr. beetles pred. on eggs of *Aedes* <Pr.Ent.Soc.Wash.,41,204-206.
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 40. Fabr. types . . . at Glasgow, 11. <Cambridge, 164 pp.
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 46. New spp. of *Scymnus* <Ann.Ent.Soc.Amer.,39,80-81.
 46. *Tachyura barnesi* n.sp. <Ohio Jl.Sci.,46,284.
- Struble, G. R. and Carpelan, L. H.**
 41. Sex.char . . . pred.of mt. pine beetle <Pan-Pac.Ent.,17,153-156.
- Suffrian, E.**
 70. Verz . . . Cuba . . . Rüsselkafer <Arch.Naturg.,36,1,150-234.
- Székessy, V.**
 41. Gatt. *Haemonia* . . . aus Amerika <Mitt.MüncH.E. Ges.,31,148-154.
- Tanner, V. M.**
 39. Stud. in weevils of w.U.S. III. <Great Basin Nat.,1,31-32.
 40. Dr. Henry Clinton Fall (1862-1939) <Great Basin Nat.,1,62.
 40. Mex. bean beetle in Utah <Great Basin Nat.,1,91.
 40. Biotic study of . . . (part of) Utah <Great Basin Nat.,1,97-126.
 41. Stud. in weevils of w.U.S. IV. <Great Basin Nat.,2,29-32.
 41. Willis Stanley Blatchley <Great Basin Nat.,2,33.
 41. Coll. rec. for Utah <Great Basin Nat.,2,36.
 41. A new *Elaphrus* <Great Basin Nat.,2,137-138.
 42. Stud. in weevils of w.U.S. V. <Great Basin Nat.,3,23-26.
 43. Study of subtr. *Hydronomi* <Great Basin Nat.,4,1-38.
 43. . . . *Epilachna* . . . damage in Utah <Great Basin Nat.,4,61.
 45. A n.sp. of *Araeoschizus* <Great Basin Nat.,6,125-126.
 46. Frank Ellsworth Blaisdell, Sr. <Great Basin Nat.,7,17.
- Thatcher, T. O.**
 40. New genus of Scolytidae . . . Utah,Nev. <Pr.Utah Ac.Sci.,17,89-93.
- Thomas, C. A.**
 39. Animals assoc. with fungi <Jl.N.Y.Ent.Soc.,47,11-37.
 41. Elateridae of Penna. <Jl.N.Y.Ent.Soc.,49,233-263.
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 81. Nov. Ins. spec., 1. 1781.
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 44. (Pp. 115-117, see Tilden & Mansfield)
 45. Notes on Redwood Cerambycids <Pan-Pac.Ent.,21,30-31.
 46. *Schizopus* in Monterey, Cal. <Pan-Pac.Ent.,22,60.
 47. (P. 34, see Tilden & Mansfield)
- Tilden, J. W. and Mansfield, G. S.**
 44. Notes on 3 spp. of *Coenonycha* <Pan-Pac.Ent.,20,115-117.
 47. Add. loc. *Aulicus terrestris* <Pan-Pac.Ent.,23,34.

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 39. Two n.spp. of *Acmaeodera* <Pan-Pac.Ent.,15,179-182.
 39. A new *Hippodamia* from Mt.Rainier <Pr.Haw.Ent.Soc.,10,265-266.
 43. *Coccinell.* of Koebele colln.I. <Haw.Plant.Rec.,47,1,1-67.
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 39. A n.sp. of *Eupagoderes* . . . <Bull.S.Cal.Ac.Sci.,38,81-83.
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 40. *Cimbocera* & related genera <Bull.S.Cal.Ac.Sci.,39,128-157.
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 43. Mex. bean beetle in Florida <Florida Ent.,26,1-8.
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 39. Nomencl. . . . *Staphylinidae*—1. <Pr.Ent.Soc.Lond.,B,8,224-226.
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 41. Note on *Philonthus mequignoni* <Ent.Mo.Mag.,77,58-59.
 45. Notes on nomencl. of *Staphyl.* <Pr.Ent.Soc.Lond.,B,14,70-71.
- Upton, R. G.**
 44. Bark beetles of pines . . . <Pr.Tr.Tex.Ac.Sci.,28,100-102.
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 42. *Ins.L.Cal.* 3: *Buprestidae* <Pr.Cal.Ac.Sci.,(4),24,97-132.
 42. (Pp. 1-3, see Blaisdell & Van Dyke)
 43. N.spp. . . . N.A. *Carabidae* <Pan-Pac.Ent.,19,17-30.
 43. N.sp. of w.Amer. Coleop. <Pan-Pac.Ent.,19,41-52.
 43. Add.n.spp. of w.Amer. Col. <Pan-Pac.Ent.,19,101-108.
 44. Rev. . . *Stenocantharis* & *Neocyclus* <Ent.Amer.,24,1-19.
 44. Rev. of N.A. . . . *Carabus* <Ent.Amer.,24,87-137.
 44. N.spp. of N.A. *Ostomidae* <Pan-Pac.Ent.,20,147-153.
 45. Two Col. estab. in S. Cal. <Pan-Pac.Ent.,21,10.
 45. N.spp. of N.A. Coleop. <Pan-Pac.Ent.,21,101-109.
 45. *Staphylinid* new to Calif. <Pan-Pac.Ent.,21,140.
 46. N.sp. of N.A. Coleop. <Pan-Pac.Ent.,22,81-89.
 47. Eur. weevil . . . S.F.Bay region <Pan-Pac.Ent.,23,96.
 47. New spp. *Coleoptera* . . . <Pan-Pac.Ent.,23,155-161.
- van Emdem, F. I.** (see Emden, F. I. van)
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 43. *Tychius picirostris* in B.C. <Can.Ent.,75,118.
- von Bloeker, J. C.**
 40. 5 new melolonthoid beetles <Bull.S.Cal.Ac.Sci.,38,148-152.
 40. . . . list *Scarab.* of Channel Is. <Bull.S.Cal.Ac.Sci.,38,152-156.
- Voris, R.**
 39. Immature . . . *Quedius* <Ent.News,50,151-155,188-190.
 39. Immature . . . *Ontholestes*, *Staphylinus* <Ann.Ent.Soc.Amer.,32,288-303.
 40. *Relat. Staphylinidae* . . . larval <Pr.Mo.Ac.Sci.,5,115-116.
- Wallace, P. P. and Beard, R.**
 42. Larvae of elm bark coleop. <Can.Ent.,74,86-87.
- Wallis, J. B.**
 39. *Hydaticus modestus* vs. *stagnalis* <Can.Ent.,71,126-128.
 39. Genus *Graphoderus* in N. Amer. <Can.Ent.,71,128-130.
 39. Genus *Ilybius* in N.Amer. <Can.Ent.,71,192-199.
- Watson, J. R.**
 42. Spread of Mex. bean beetle <Florida Ent.,25,25.
 44. Tropical . . . (*Anobiidae*) . . . in Fla. <Florida Ent.,26,61-63.
- Wehrle, L. P.**
 40. . . . *Hypera brunneipennis* in Ariz. <Jl.Econ.Ent.,33,119-121

- Weiss, H. B.**
 40. Death-feints of *Sitophilus* <Jl.N.Y.Ent.Soc.,48,37-46.
 40. Death-feint of *Trox unistriatus* <Jl.N.Y.Ent.Soc.,48,303-304.
 44. . . . death-feint of *Bruchus obtectus* <Jl.N.Y.Ent.Soc.,52,262.
 44. Death-feints of *Alobates* <Jl.N.Y.Ent.Soc.,52,281-283.
 47. Death-feints of *Idiobates* <Jl.N.Y.Ent.Soc.,55,275-279.
- Wenzel, R. L.**
 39. New N.A. . . . Histeridae <Ann.Ent.Soc.Amer.,32,384-394.
 40. A genus of Histerid new to U.S. <Jl.Wash.Ac.Sci.,30,516-519.
 44. Classif. of Histerid beetles <Field Mus.Zool.Ser.,28,2,151 pp.
- Werner, F. G.**
 43. Rev. of *Pleuropompha* <Psyche,50,30-33.
 43. Three n.spp. of *Cebrio* <Psyche,50,34-36.
 44. New N.A. spp. of *Epicauta* <Psyche,50,65-73.
 45. Rev. . . . *Epicauta* . . . N.A. <Bull.M.C.Z.,95,421-517.
- Whelan, D. B.**
 39. . . . beetles taken at Neb. light trap <Jl.Kans.Ent.Soc.,12,118-120.
- White, B. E.**
 39. A new *Anisostena* from Calif. <Bull.Br.Ent.Soc.,34,55-56.
 39. A new sp. of *Acmaeodera* <Pan-Pac.Ent.,15,69-75.
 41. New *Nodonota* with key . . . <Bull.Br.Ent.Soc.,36,162-164.
 41. New sp. of *Bruchus* <Pan-Pac.Ent.,17,189-190.
 42. A n.sp. of *Luperodes* . . . <Bull.Br.Ent.Soc.,37,31-34.
 42. N.g. *Chrysomelidae* . . . s.w.U.S. <Ent.News,53,16-21.
 42. Notes on Johnson's *Chrysomelid* paper <Ent.News,53,83.
 44. New *Scelolyperus* and key <Ent.News,55,177-180.
 47. New sp. of *Taphrocerus* <Ent.News,58,181-184.
- Williams, J. L.**
 45. Anat. of int. genit *Coleop.* <Pr.Ent.Soc.Wash.,47,73-91.
- Williams, R. W.**
 41. Bionomics of *Ataxia hubbardi* <Ent.News,52,271-273.
- Winters, F. E.**
 44. *Sphaeridini* inhab. boreal Amer. <Bull.Br.Ent.Soc.,39,94-95.
- Wolcott, A. B.**
 43. Notes on N.A. *Orthopleura* <Pan-Pac.Ent.,19,134-138.
 44. *Allonyx* *Leconte*, a homonym <Bull.Br.Ent.Soc.,39,47.
 44. Amer. spp. of *Trichodes* <Pan-Pac.Ent.,20,54-60.
 44. Gen.rev. of *Phyllobaeninae* <Jl.N.Y.Ent.Soc.,52,121-152.
 47. Cat. of *Cleridae* <Fieldiana: Zool.,32,2,61-105.
- Wood, S. L.**
 43. (Pp. 783-785, see Knowlton & Wood)
 45. (Pp. 91-96, see Knowlton & Wood)
 46. (Pp. 382-383, see Knowlton, Maddock, & Wood)
- Wray, D. L. and Brimley, C. S.**
 43. Ins. in pitcher plants in N.C. <Ann.Ent.Soc.Amer.,36,128-137.
- Wright, J. F.**
 39. A new *Loxandrus* <Bull.Br.Ent.Soc.,34,257-258.
- Wright, J. F. and Whitehouse, J.**
 41. Add. to list of *Cincinnati* Col. <Bull.Br.Ent.Soc.,36,69-73.
- Young, F. N., Jr.**
 39. (Pp. 53-63, see Young and Goff)
 40. New water beetle from Fla. <Ent.News,51,198-199.
 40. Desc. of n. *Dytiscid* from Fla. <Florida Ent.,23,30.
 41. *Bidessus rogersi*, new, from Fla. <Florida Ent.,24,29-31.
 41. A correction (*Bidessus falli*) <Florida Ent.,24,31.
 47. New sp. *Gyretes* <Florida Ent.,30,13-33.
- Young, F. N. and Goff, C. C.**
 39. Arthropods in burrows of tortoise <Florida Ent.,22,53-63.
- Zimmerman, E. C.**
 40. *Dryotribus* and *Macrancylus* not Amer. <Pan-Pac.Ent.,16,141-142.
- Zimmermann, A.**
 34. Monog. paläarkt. *Dytisciden*. V. <Kol.Rundschau,20,138-214.

FOURTH SUPPLEMENT TO
CATALOGUE OF NORTH AMERICAN COLEOPTERA
DESCRIBED AS FOSSILS

The few fossil beetles described as new in the years 1939 to 1947 inclusive are listed below, along with a few new localities. Four new abbreviations are used.

La Brea-Pleist.	Rancho La Brea, Los Angeles, Calif.
Kern-Pleist.	McKittrich, Kern Co., Calif.
Kern-Mioc.	Bakersfield, Kern Co., Calif.
Cuyama-Mioc.	San Luis Obispo Co., Calif.

CARABIDAE

Calosoma semilaeve Lec.	La Brea-Pleist. ^{1 2}
Bembidion everestae Pierce 44-11	Kern-Mioc.
OCHTHEDROMUS Lec.	
dauidae Pierce 44-7	Cuyama-Mioc.
Pterostichus sp.	La Brea-Pleist. ^{1 2 3}
Amara insignis Dej.	La Brea-Pleist. ^{1 2}
Platynus funebri Lec.	La Brea-Pleist. ^{1 2}

DYTISCIDAE

Dytiscus marginicollis Lec.	La Brea-Pleist. ^{1 2}
Cybister explanatus Lec.	Kern-Pleist. ^{2 3}
Hydrous triangularis (Say)	Kern-Pleist. ^{2 3}

HYDROPHILIDAE

Hydrophilus sp.	Kern-Pleist. ^{2 3}
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TENEBRIONIDAE

Nyctoporis Esch. 31-11 (<i>Nytoporus</i> Pierce 44-2)	
carinata Lec.	La Brea-Pleist. ^{2 3}
Eulabis ?aticornis Csy.	La Brea-Pleist. ^{2 3}
Eleodes omissa Lec.	La Brea-Pleist. ^{2 3}
grandicollis Mannh.	La Brea-Pleist. ^{1 2 3 4}
<i>elongata</i> Grinn. ^{2 4}	
distant Blaisd.	La Brea-Pleist. ^{2 4}

¹ Essig-31 (after Grinnell-08).

² Pierce-44.

³ Essig-31.

⁴ Essig-31 (after Blaisdell-09).

<i>acuticauda</i> Lec.	La Brea-Pleist. ^{1 2 3}
<i>laticollis</i> Lec.	La Brea-Pleist. ^{1 2 3}
<i>consobrina</i> Lec.	La Brea-Pleist. ^{1 2}
<i>parvicollis</i> Esch.	La Brea-Pleist. ^{1 2 4}
<i>behri</i> Grinn. ^{2 4}	
<i>intermedia</i> Grinn. ^{2 4}	
<i>intemedia</i> Essig 31-5	
sp.	La Brea-Pleist. ³
Coniontis	
<i>robusta</i> Horn	La Brea-Pleist. ^{1 2}
<i>abdominalis</i> Lec.	La Brea-Pleist. ^{1 2}
<i>puncticollis</i> Lec.	La Brea-Pleist. ^{1 2}
<i>elliptica</i> Csy.	La Brea-Pleist. ^{1 2}
sp.	La Brea-Pleist. ³
Cratidus	
<i>osculans</i> Lec.	La Brea-Pleist. ^{2 3}

SCARABAEIDAE

Canthon	
<i>simplex</i> Lec.	
<i>s. antiquus</i> Pierce 47-120	La Brea-Pleist.
<i>praticolus</i> Lec.	
<i>s. vetustus</i> Pierce 47-122	La Brea-Pleist.
Palaeocopris Pierce 47-130	
<i>labrae</i> Pierce 47-130	La Brea-Pleist.
Onthophagus	
<i>everestae</i> Pierce 47-131	La Brea-Pleist.
Serica	
<i>kanakoffi</i> Pierce 47-132	La Brea-Pleist.

CERAMBYCIDAE

Protospondylis Linsley 42-19	
<i>florissantensis</i> (Wickh.) 20-359 ⁵	
<i>tertiarius</i> (Wickh.) 17-469 ⁵	
Anelaphus	
<i>extinctum</i> (Wickh.) 14-463 ⁶	
Anoplodera	
JUDOLIA Muls.	
<i>antecurrens</i> (Wickh.) 13-295 ⁷	
Pidonia	
<i>leidyi</i> (Wickh.) 13-364 ⁷	
<i>ingenua</i> (Wickh.) 14-467 ⁷	
Grammoptera	
<i>nanella</i> (Wickh.) 14-466 ⁷	
Leptura	
<i>wickhami</i> Linsley 42-23	Flor. Mioc.
Semanotus	
<i>puncticollis</i> (Wickh.) 14-264 ⁸	
Phymatodes	
<i>grandaevus</i> (Wickh.) 17-469 ⁹	

¹ Essig-31 (after Grinnell-08).² Pierce-44.³ Essig-31.⁴ Essig-31 (after Blaisdell-09).⁵ Transferred from Spondylis, Linsley-42.⁶ Transferred from Elaphidion, Linsley-42.⁷ Transferred from Leptura, Linsley-42.⁸ Generic name changed, Linsley-42.⁹ Transferred from Callidium, Linsley-42.

Cyllene

florissantensis (Wickh.) 14-464 ¹⁰

Arhopalus

(*Criocephalus* Muls. 39-63) ⁸

pavitus (Ckll.)

Psapharochrus Thoms. 65-544

(*Psapharochus* Linsley 42-37)

lengii (Wickh.) 14-265 ¹¹

⁸ Generic name changed, Linsley-42.

¹⁰ Transferred from *Clytus*, Linsley-42.

¹¹ Transferred from *Acanthoderes*, Linsley-42.

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44. Fossil arthropods of Calif.

<Bull.S.Cal.Ac.Sci.,43,1-18.

47. Dung beetles of the tar pits

<Bull.S.Cal.Ac.Sci.,45,119-131.

47. Desc . . . sericine . . . from tar pits

<Bull.S.Cal.Ac.Sci.,45,131-132.

- Ababa, 14
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 Acupalpus, 3
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 Agabus, 4
 Agaeocera, 20
 Agaporus, 4
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