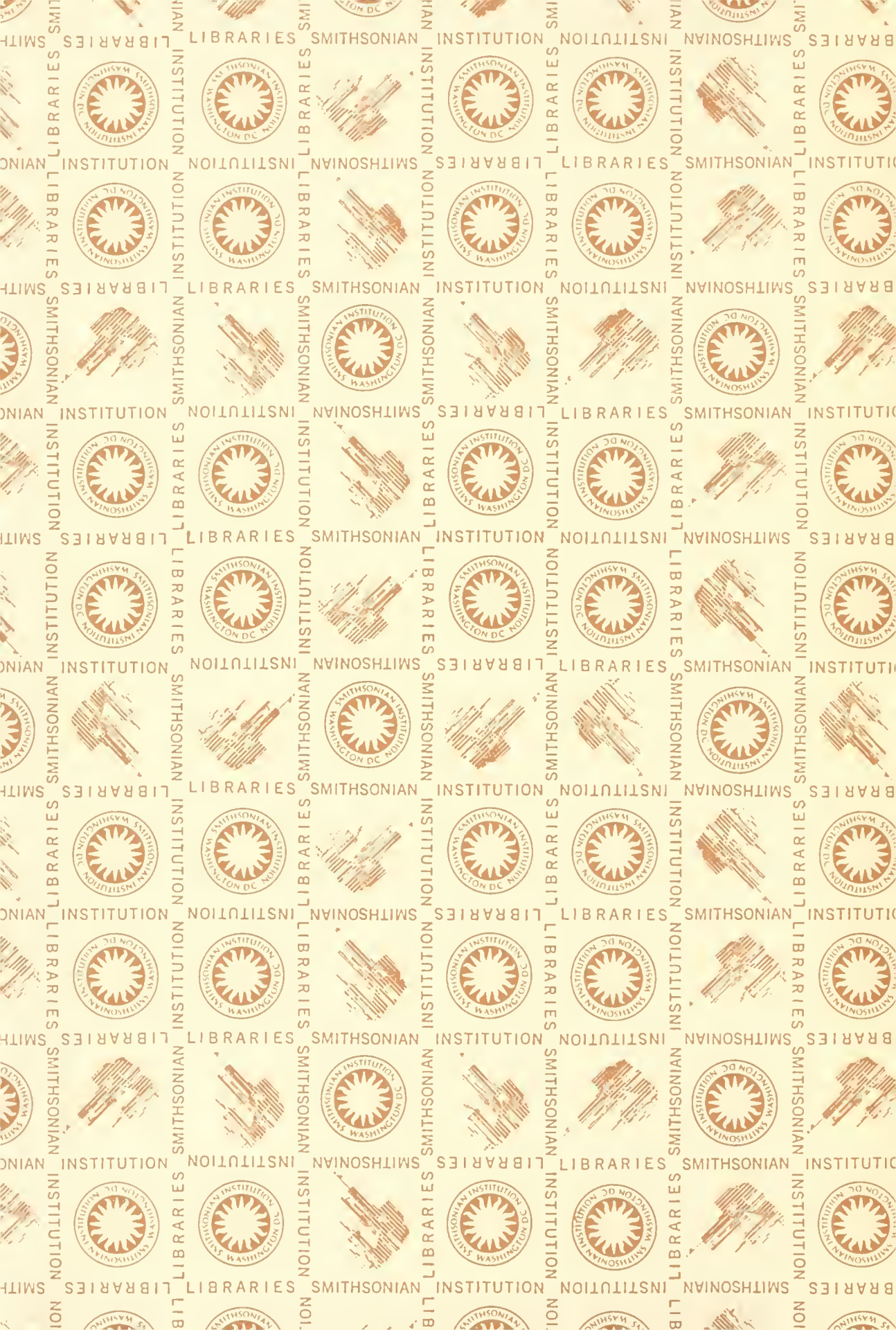


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FIFTH SUPPLEMENT  
1939 to 1947 (inclusive)

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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## 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

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

### CARABIDÆ

<b>Scaphinotus</b>		
<b>STENOCANTHARIS</b> Gistel 57-		
		[92 <sup>8</sup>
<i>angusticollis</i> (Mannh.) 24-46	w.N.A.	
<i>s. olympiæ</i> VanD. 44-5	Wash.	

s. <i>nigripennis</i> Roesch. 07-165 <sup>8</sup>	Ore.
s. <i>longipes</i> Csy. 97-339 <sup>8</sup>	Cal.
s. <i>velutinus</i> Mén. 44-53 <sup>8</sup>	Cal.
<b>BRENNUS</b> Mots. 65-311 <sup>8</sup>	
<i>johnsoni</i> VanD. 24-3 <sup>8</sup>	Wash.
<b>NEOCYCHRUS</b> Roeschke 07-	
	[117 <sup>9</sup>
<i>angulatus</i> (Harris) 39-200 <sup>8</sup>	Ore. Wash.
s. <i>maritimus</i> VanD. 24-506 <sup>8</sup>	Wash.
<i>behrensi</i> Roesch. 07-124 <sup>8</sup>	Cal.
s. <i>malkini</i> VanD. 44-13	Ore.
<i>longiceps</i> VanD. 24-5 <sup>8</sup>	Cal.
<b>Carabus</b> <sup>9</sup>	
<b>TITANOCARABUS</b> Breun. 33-	
<i>truncaticollis</i> Esch. 33-22	[729 <sup>8</sup>
<i>lutshnikianus</i> Basil. 37-63 <sup>8</sup>	
<i>alaskensis</i> Basil. 37-63 <sup>8</sup>	
<b>ARCHICARABUS</b> Seidl. 87-6 <sup>8</sup>	
<i>tædatus</i> Fab. 87-196 <sup>10</sup>	
<i>gladiator</i> Mots. 65-285 <sup>8</sup>	
<i>canadicus</i> Roeschke 00-68 <sup>8</sup>	
<i>canadensis</i> Lapouge 08-19 <sup>8</sup>	
<i>bicanaliceps</i> Csy. 20-154 <sup>8</sup>	
s. <i>tædatus</i> (s.str.)	Alas.
<i>baccivorus</i> Fisch. 20-87 <sup>8</sup>	
<i>seriatus</i> Wied. 21-109 <sup>8</sup>	
s. <i>vancouvericus</i> Csiki 27-286 <sup>11</sup>	Wash.
<i>bicolor</i> Walk. 66-313 <sup>8 11</sup>	[Alas.
s. <i>rainieri</i> VanD. 44-108	Wash.
s. <i>franciscanus</i> Csy. 13-58	Cal.
s. <i>oregonensis</i> Lec. 54-16	B.C.-Ariz.
<i>montanicus</i> Csy. 13-58 <sup>8</sup>	
<i>stocktoniensis</i> VanD. 44-111	
<i>stocktonensis</i> Csy. 20-155 <sup>8</sup>	
s. <i>agassii</i> Lec. 50-209	Alb.-Mont.
<i>agassizi</i> VanD. 44-112	

<sup>1</sup> Cazier—39.

<sup>2</sup> Brown—40.

<sup>3</sup> Dahl—42.

<sup>4</sup> Previously listed as var. of *denverensis*;  
Cazier—39.

<sup>5</sup> Previously listed as var. of *vibex*; Cazier—39.

<sup>6</sup> Dahl—40.

<sup>7</sup> Rotger—44.

<sup>8</sup> Van Dyke—44.

<sup>9</sup> Key to species, Van Dyke—44.

<sup>10</sup> Key to subspecies, Van Dyke—44.

<sup>11</sup> Placed as synonym of *tædatus* by Pratt—40.

- s.patulicollis Csy. 13-57 Colo.  
*coloradensis* Breun. 33-719<sup>8</sup>  
 TANAOCARABUS Rtt. 96-135<sup>8</sup>  
 sylvosus 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. 13-57<sup>8</sup>  
*caseyi* Ang. 11-75<sup>8</sup>  
 forreri Bates 82-320 Ariz. Mex.  
*townsendi* Csy. 05-160<sup>8</sup>  
 HEMICARABUS Geh. 85-xix<sup>8</sup>  
 serratus Say 25-77 Nfld.-Ga.-Man.-N.M.  
 s.serratus (s.str.)  
*lineatopunctatus* Dej. 26-77<sup>8</sup>  
*ligatus* Kby. 37-18 (not Germ.)<sup>8</sup>  
*canadensis* Lec. 53-10<sup>8</sup>  
 s.tatumi Mots. 65-293 Newf.-Me.-B.C.  
 s.vegasensis Csy. 13-59 N.M.  
*vagasensis* VanD. 44-122  
 LICHNOCARABUS Rtt. 96-161<sup>8</sup>  
 limbatus Say 25-71  
*goryi* Dej. 31-541<sup>8</sup>  
 vinctus Weber 01-42  
 s.vinctus (s.str.) Can.-Ga.  
*ligatus* Germ. 24-6<sup>8</sup>  
*interruptus* Say 25-76<sup>8</sup>  
*carinatus* Dej. 26-79<sup>8</sup>  
 s.georgiæ Csiki 27-185 Ga.-Fla.  
 CARABUS (s.str.)<sup>8</sup>  
 granulatus L. 58-413 N.S.-Mass-B.C.  
 [Eur.]
- Calosoma**  
 (*Callisthenes* auct., not Fisch.)<sup>12</sup>  
 lariversi VanD. 43-17 Nev.  
 zimmermanni Lec. 49-445  
*zimmermanni* 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 39-46<sup>13</sup>  
 (*Nebria* of Ganglb., not Latr.)<sup>13</sup>  
 hudsonica Lec. 63-3 Sask.-N.M.-Wash.-  
 [Y.T. Ore.]  
 vandykei Bänn. 28-5 Ore.  
*trifaria* VanD. in part<sup>13</sup>  
 gebleri Dej. 31-573 Alb. Mont. Ida. Ore.  
 mcanyi 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.<sup>13</sup> Wash.<sup>13</sup> Y.T.<sup>13</sup>  
 v.parvula Sahlb. 87-47<sup>13</sup> Ore. Alas. Sib.  
 v.reducta Csy. 20-150<sup>13</sup> Alas.  
 virescens Horn 70-100 Ore. Ida. Cal.  
*brevis* Csy. 13-55<sup>13</sup>  
 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. 13-51<sup>13</sup>  
*transversa* Csy. 20-152<sup>13</sup>  
*hippislei* Csy. 24-21<sup>13</sup>  
*formalis* Csy. 20-153<sup>13</sup>  
 diversa Lec. 63-2 Cal. B.C.  
 obtusa Lec. 78-478 Wash. Alb. Mont.  
 NEBRIOLA Dan.<sup>13</sup> [Colo.]  
 kincaidi Sehwh. 00-525 Alas.-Ore.  
 paradisi Darl. 31-24 B.C.-Ore.  
*columbiana* VanD. 26-9<sup>13</sup>
- Dyschirius**  
 arizonæ VanD. 43-22 Ariz.
- Bembidion**  
 roosevelti Pic 02-71 Cal.  
*blaisdelli* Csy. 18-222<sup>14</sup>  
*concinnum* Blais. 02-78<sup>14</sup>  
*perconcinnum* Blais. 04-349<sup>14</sup>  
 nebraskense Lec. 63-19<sup>13</sup>
- Tachyura**  
 barnesi Stehr 46-284 Ohio
- Stomis** Schell. 06-46  
 pumicatus (Panz.) 95-60 Que.<sup>15</sup>
- Trechus**  
 humboldti VanD. 45-101 Cal.
- Feronia** Latr. 17-191<sup>18</sup>  
*Pterostichus* Bon. 09-? <sup>16</sup> <sup>18</sup>  
*Pterostichus* Lins. & Mich. 43-75  
 \* FERONIA Csy. 18-365<sup>17</sup>  
 humidula VanD. 43-23 Wash. Ore.  
*pacifica* VanD. 26-114  
 (not Poppius, 1906)  
 lanci VanD. 25-76 Wash. Ida.  
 palmi Schffr. 10-393 N.C.  
 CRYOBIUS Chaud. 38-11<sup>16</sup>  
 blaisdelli VanD. 43-24 Alas.  
 \* \* \*  
 ater Lec.<sup>19</sup> Cal.
- Evarthrus** Lec. 52-225<sup>20</sup>  
 \* ANAFERONIA Csy. 18-341<sup>20</sup>  
 constrictus (Say) 23-147 Kan. Ark.  
 v.ovipennis Lec. 48-345<sup>20</sup> N.M. Mex.  
 [CYCLOTRACHIELUS Chaud.  
 [38-27]<sup>20</sup> C.A.]  
 [batesellus Csiki 30-671  
 [constrictus Bates 82-80]<sup>20</sup>  
 EUMOLOPS Csy. 18-350<sup>20</sup>  
 heros (Say) 23-145 Ark. Tex.  
 gigas Csy. 18-350<sup>20</sup>

<sup>8</sup> Van Dyke—44.<sup>12</sup> All American species transferred to *Calosoma*,  
 by Van Dyke—43.<sup>13</sup> Hatch—39.<sup>14</sup> Csiki—28.<sup>15</sup> Darlington—40.<sup>16</sup> Van Dyke—43.<sup>17</sup> Revision of subgenus, Van Dyke—43.<sup>18</sup> Should be replaced by *Platysma* Sam. 19-151,  
 Hatch—39.<sup>19</sup> Linsley & Michener, 43; apparently refers to  
*Holciophorus ater* Dej.<sup>20</sup> Revision of genus, Van Dyke—43.



- FERESTRIA Leng 15-576<sup>20</sup>  
 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<sup>20a</sup>
- 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.<sup>21</sup>
- Zacotus**  
 fredericki Nunen. 44-12 Ore.
- Stenomorphus**  
 rossi VanD. 43-29 Ariz.
- Acupalpus**  
 meridianus L. Eur. Wash.<sup>22</sup>
- Pseudomorpha**  
 parallela VanD. 43-30 Cal.

## OMOPHRONIDÆ

- Omophron** Latr. 04-278  
 (*Homophron* Fisch. 28-256)<sup>23</sup>  
 tanneri (Chandl.) 41-100 Utah  
 s.proximum (Chandl.) 41-102 Utah

HALIPLIDÆ<sup>24</sup>

- Apteraliplus** Chandl. 43-154  
 parvulus Rbts. 13-94<sup>25</sup> Cal.

- Haliphus**  
 concolor Lec. (not concolo)<sup>26</sup>  
 falli Mank 40-57 Man.  
 HALIPLUS s.str.  
 wallisi Hatch 44-45 Wash.

## DYTISCIDÆ

- Canthydus**  
 bicolor (Say) 31-5 (not 34-446)<sup>20</sup>
- Laccophilus**  
 decipiens  
*truncatus* Mannh. 53-160 (not 53-  
 [68])<sup>26</sup>  
 horni Vd.Br. 85-21 (not 84-21)<sup>26</sup>  
 biguttatus Kby. 37-69  
*inconspicuus* Fall 17-164<sup>27</sup>  
 shermani Leech 44-4 Ariz. Tex.
- Bidessus**  
 4-pustulatus Fall 17-166 (not 17-167)<sup>26</sup>  
 rogersi Young 41-29 Fla.  
 falli Young 40-30 Fla.
- Bidessonotus** Reg. 95-331<sup>28</sup>  
 \* longovalis (Blatch.) 19-310<sup>29</sup> Fla.  
 inconspicuus (Lec.) 55-294<sup>29</sup> La. Fla.  
 pulicarius (Aube) 38-494<sup>29</sup> Ind. Fla.  
*subsericeus* (Blatch.) 19-311<sup>29</sup>
- Hygotus**  
 CCELAMBUS Thoms. 60-13<sup>27</sup>  
 masculinus Cr. B.C.<sup>30</sup>  
 impressopunctatus (Sch.)  
 v lineellus (Gyll.) 08-529 (not Gellerman  
 medialis (Lec.) [28-64])<sup>26</sup>  
*infacetus* Clark 62-180<sup>27</sup>  
 sayi B-B. 44-347  
*punctatus* Say 24-271<sup>27</sup>  
 \* \* \*
- fraternus Lec. 52-209 L.Cal.<sup>31</sup>
- Deronectes**  
 pulcher (Mots.) 59-163 (not 59-363)<sup>26</sup>  
 spenceri Leech 45-105 B.C.  
 titulus Leech 45-106 Tex.  
 grammicus Shp. 87-754 Mex. N.M.<sup>32</sup>  
 dolerosus Leech 45-109 Cal.  
 addenda Cr. 73-393 L.Cal.<sup>31</sup>  
 funerea Cr. 73-392 L.Cal.<sup>31</sup>
- 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 38-578<sup>27</sup>  
 superioris B-B. 44-349  
*sericeus* Lec. 50-214<sup>27</sup>  
 OREODYTES Seidl. 87-57  
 productotruncatus Hatch 44-46 B.C.

<sup>20a</sup> Key to Washington genera and subgenera.  
 Gray—37 and Gray & Hatch—41.

<sup>21</sup> Malkin—43.

<sup>22</sup> Hatch—46.

<sup>23</sup> Used by Chandler—41.

<sup>24</sup> Key to genera, Chandler—43.

<sup>25</sup> Transferred from Brychius, Chandler—43.

<sup>26</sup> Leech in litt.

<sup>27</sup> Balfour-Browne—44.

<sup>28</sup> Revision, Balfour-Browne—47.

<sup>29</sup> Transferred from Bidessus, Balfour-Browne  
 —47.

<sup>30</sup> Lac la Hache, British Columbia; Leech in litt.

<sup>31</sup> Leech—44.

<sup>32</sup> Leech—45.

AGABINI<sup>33</sup>

- Agabus**<sup>34</sup>  
 ERIGLENUS Thoms. 60-55  
 (*Alpator* Sem. 99-512)<sup>37</sup>  
 \* \* \*
- erichsoni G. & H. Mont.<sup>32</sup>  
*confertus* Mank 34-75<sup>32</sup>
- confertus Lec. Ida.<sup>32</sup>  
 nectris Leech 42-133 Alb. Mont. B.C.  
*obliteratus* Hatch 33-10 (part)<sup>32</sup>  
 strigulosus (Cr.) Mont.<sup>32</sup>  
*obliteratus* Hatch 33-10 (part)<sup>32</sup>
- hoppingi Leech 42-135 Cal.  
 obliteratus Lec.<sup>35</sup> Colo. Utah. Nev. Cal.  
 regularis Lec. 52-203 L. Cal.<sup>31</sup>
- bjorkmanii Hatch 39-104 Alb.-B.C.-Ore.  
*rectus* Lec. 69-375<sup>36</sup>
- cordatus Lec. N.M.-Ariz.-Mont.-Wash.<sup>36</sup>  
 seriatus Say 23-97  
*striatus* Aubé 38-305<sup>37</sup>  
*arctus* Melsh. 44-27<sup>37</sup>  
*parallelus* Lec. 50-213<sup>37</sup>  
 s. *seriatus* s. str.  
 s. *intersectus* Cr. 73-419<sup>37</sup>
- lutosus Lec. 53-31 (not Croteh, 1873)<sup>37</sup>  
*discolor* Lec. 52-204<sup>37</sup>  
 (not Harris, 1828)  
*lecontei* Cr. 73-417<sup>37</sup>  
 s. *lutosus* s. str.<sup>37</sup> 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 36-186<sup>38</sup>
- elongatus Gyll. 27-381 Yukon  
*bryanti* Carr 30-278<sup>39</sup>
- antennatus Leech 39-217  
*clavatus* Lec. 59-4<sup>39</sup>  
 (not Latreille, 1804)
- mæstus Curt. 35-lx  
*nigripalpis* Sahlb. 80-56<sup>39</sup>  
*borealis* Shp. 82-513<sup>39</sup>
- erichsoni G. & H. 68-454  
*nigro-æneus* Er. 37-157<sup>39</sup>  
 (not Marsham 02-428)
- velox Leech 39-219 Man.  
 clavicornis Shp. 82-536  
*verus* Brown 31-115<sup>26a</sup>

**Gaurodytes**<sup>40</sup>

- Laccornis** des Gozis 14-111<sup>41</sup>  
 \* (*Agaporus* Zimm. 19-147)<sup>42</sup>  
 pacificus (Leech) 40-123 B.C.  
 conoideus (Leech) 50-216<sup>43</sup> Mass.-Wis. Can.

<sup>26</sup> Leech in litt.<sup>26a</sup> J. Balfour-Browne—47.<sup>27</sup> Balfour-Browne—44.<sup>31</sup> Leech—44.<sup>32</sup> Leech—45.<sup>33</sup> Key to genera, Leech—42.<sup>34</sup> Classification of subgenera, Guignot—36.<sup>35</sup> Restricted by Leech—42.<sup>36</sup> Hatch—39.<sup>37</sup> Leech—42.<sup>38</sup> Guignot in litt., Leech—42.<sup>39</sup> Leech—39.<sup>40</sup> Revision of palearctic subgenera and species, Zimmermann—34.<sup>41</sup> Key to species, Leech—40.

latens (Fall) 37-10 Mass. N.Y. N.H. Que.  
 difformis (Leech) 55-298<sup>43</sup> Mass.-Ga.-Ind.  
 deltoides (Fall) 23-123 Ill.

**Hybiosoma**<sup>43a</sup>

regularis (Leech.)  
*oblongum* (Mots.) 59-169 (not 59-  
 [369])<sup>26</sup>

**Hybius** Er. 32-34<sup>44</sup>

churchillensis Wallis 39-195 Man.  
 [ater Degeer not N.A.]<sup>44</sup>

**Copelatus**

chevrolati Aubé 38-389 L. Cal.<sup>31</sup>

**Matus**<sup>45</sup>

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

**Neoseutopterus** B-B. 43-172

\* *angustus* (Leech.)<sup>46</sup>  
 horni (Cr.)<sup>46</sup>

**Dytiscus**

ooligbucki Kby. 37-74  
*alaskanus* B-B. 44-356<sup>26a</sup>  
*parvulus* Mots. 52-77<sup>26a 27</sup>

**Hydaticus**

bimarginatus Say 31-5 L. Cal.<sup>31</sup>

**Thermonectus** Dej. 33-53

*Thermonectus* Dej. 36-61<sup>47</sup>  
*Thermonectus* Melsh. 44-26  
*Thermonectes* Cr. 73-402  
 basillaris Harris 29-1 (not basillaris 29-8)<sup>31</sup>

**Graphoderus** Dej. 33-54<sup>48 49</sup>

fasciatocollis Harris 28-156<sup>50</sup>  
*cinereus* of authors (not L.)<sup>50</sup>  
 perplexus Shp. 82-695<sup>50</sup>  
*elatus* Shp.<sup>50</sup>  
*cinereus* Horn (not L.)<sup>50</sup>  
*zonatus* of authors (not Hoppe)<sup>50</sup>  
*cinereus* (L.)  
 ?*fascicollis* (Harris) 28-156<sup>51</sup>  
 ?*fasciatocollis* of authors<sup>51</sup>

## GYRINIDÆ

Euhydriinae<sup>54</sup>DINEUTINI<sup>54</sup>**Dineutus** MacLeay 25-30

(*Dineutes* of authors)<sup>42 52</sup>  
 solitarius Aubé 38-780 Cal.<sup>42</sup> C.A.<sup>53</sup>

<sup>42</sup> Leech—40.<sup>43</sup> Transferred from *Hydroporus*, Leech—40.<sup>43a</sup> Treated as subgenus of *Agabus* by Guignot—36.<sup>44</sup> Key to species, Wallis—39.<sup>45</sup> Key to species, Leech—41.<sup>46</sup> Transferred from *Scutopterus*, Balfour-Browne—43.<sup>47</sup> Considered the proper form by Leech—41.<sup>48</sup> Credited to Aubé 38-156 by Wallis—39.<sup>49</sup> Key to species, Wallis—39.<sup>50</sup> Wallis—39.<sup>51</sup> Leech in litt.<sup>52</sup> This spelling used by Balfour-Browne—45.<sup>53</sup> Blackwelder—44.<sup>54</sup> Generic revision, Balfour-Browne—45.

- americanus Say 23-107 (not 26-107)<sup>51</sup>  
 emarginatus Say 23-108 (not 26-108)<sup>51</sup>  
   s.floridensis Ochs 29-125 Fla.  
   s.mitchleri Ochs 24-3 Bahamas  
 CYCLINUS Kby. 37-78<sup>54</sup>  
 americanus (L.) 88-?  
   *assimilis* (Kby.) 37-78<sup>64</sup>

Gyrininae<sup>54</sup>

## Gyrinus

- GYRINULUS Zaitzev 07-238<sup>54</sup>  
 minutus F.  
 OREGYRINUS Ochs 35-124<sup>54</sup>  
 parvus Say \* \* \*  
 limbatus Say 23-109 (not 25-109)<sup>51</sup>  
 plicifer Lec.  
   ?*lateralis* Aubé 38-673 (not 38-773)<sup>51</sup>  
 analis Say 23-108 (not 25-108)<sup>51</sup>  
 opacus  
   v.blairi Omer-Cooper (not Omar  
   [Cooper])<sup>51</sup>  
 pectoralis Lec. 68-370 B.C.<sup>55</sup>  
 floridensis Ochs 29-123<sup>51</sup> Fla.

Orectochilinae<sup>54</sup>

## Gyretes

- iricolor Young 47-31 Fla.

## HYDROPHILIDÆ

## Ochthebius

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

## Hydraena

- needhami (d' Orch.) 29-79<sup>56</sup> N.Y.

## Helophorus

- inquinatus Mannh. 52-343 (not 52-243)<sup>51</sup>  
 lecontei Knisch 24-88 Cal. L.Cal.<sup>57</sup>  
   *obscurus* Lec. 51-210<sup>57</sup>  
 needhami d'Orch.<sup>55</sup>

## Epimetopus

- thermarum S. & B. 18-130 (not 17-130)<sup>51</sup>

Hydrochus Leach 17-90 (not 17-190)<sup>51</sup>

## Hemiosus

- exilis Lec.<sup>59</sup>

Berosus<sup>60</sup>

- exilis Lec.<sup>61</sup>  
 mcerens Shp. Tex.<sup>62</sup>

## Hydrophilus

- castus Say 31-170 (not 35-170)<sup>51</sup>

<sup>55</sup> Leech—42.<sup>56</sup> Transferred from Helophorus, Leech in litt.<sup>57</sup> Leech—44.<sup>58</sup> In error, see Hydraena; Leech in litt.<sup>59</sup> Belongs in Berosus, Leech—43.<sup>60</sup> Synonymy in 4th suppl. from d'Orch.—33 (not —34), Leech in litt.<sup>61</sup> Transferred in error to Hemiosus, Leech—43.<sup>62</sup> Leech—43.

## Tropisternus

- PRISTOTERNUS d'Orch. 36-311  
   (*Cyphostethus* d'Orch. 19-160)<sup>63</sup>  
 quadristriatus (Lec.) 71-331<sup>65 66</sup> N.A.  
   *glaber* Dej.<sup>64</sup>  
 sublævis (Lec.) 55-368 Mass.  
   *xanthopus* Shp. 82-59<sup>64</sup>  
 glaber (Hbst.) 97-298 Ill.Can.  
   *sublævis* d'Orch. 22-15<sup>64</sup>  
 natator d'Orch. 38-436 (N.A.)  
   *glaber* (Lec.) (not Hbst.)<sup>64</sup>  
   *glaber* (Shp.) (not Hbst.)<sup>64</sup>  
 modestus d'Orch. 38-437 N.Y. N.J. Tex.  
 salsamentus Fall 01-214 Cal.  
   *californicus* Mots. 59-175<sup>67 68</sup>  
   (not Leconte, 1855)  
 orvus Leech 45-183 Nev.Cal.Ore.  
 californicus (Lec.) 55-367 Cal.—B.C.  
   *caligans* d'Orch. 41-3<sup>68</sup>  
 columbianus Brown 31-117<sup>69</sup>  
   *californicus* d'Orch. 41-2<sup>68</sup>

## Crenitis

- maculifrons Brown 40-183 B.C.

Enochrus<sup>60</sup>

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

Chætarthria Steph. 33-22 (not 32-401)<sup>57</sup>

## Phænonomum

- exstriatus Say 35-171 Md.—Fla.—Ind.—Tex.  
 estriatum Lec. 53-36<sup>57</sup>

## Sphaeridium Fab.

- \* SPHÆRIDIJUM s.str.  
 lunatum F. N.Y.—Colo.—B.C.<sup>70</sup>  
 scarabæoides L. 58-356 N.H.—Ariz.—Cal.—  
   [B.C.]<sup>70</sup>

## SPHÆRIDIOLINUS Menozzi

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

## Cereyon

- terminatum Marsh.  
 2884 = (not 2484 =)<sup>51</sup>  
 falli Winters 44-95 N.J.—B.C.  
   *analis* of Fall<sup>69a</sup>  
 analis (Payk.) N.J.<sup>69a</sup> Eur.

## Megasternum

- boletophagum Marsh. 02-72 Wash.<sup>70</sup> Eur.  
 pugetense Hatch 46-79 Wash.

## SILPHIDÆ

## Nicrophorini

## Nicrophorus

## NECROPTER Sem.

<sup>63</sup> d'Orchymont—36.<sup>64</sup> d'Orchymont—38.<sup>65</sup> Error for Horn 71—331.<sup>66</sup> Listed as distinct by d'Orchymont—38.<sup>67</sup> d'Orchymont—41.<sup>68</sup> Leech—45.<sup>69</sup> Listed as synonym of californicus by d'Orchy  
 mont—41.<sup>69a</sup> Winters—44.<sup>70</sup> Hatch—46.

vespilloides Hbst.<sup>71</sup>  
*defodiens* Port. & Hatch  
 v.vespilloides 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.  
*nunenmacheri* Leech  
*nunenmacheri* 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.gagei 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.<sup>72</sup>  
 s.guttulus Mots.  
 a.woodgatei Hatch Wash.<sup>72</sup>  
 a.vandykei Angell Wash.<sup>72</sup>

\* \* \*

NICROPHORINI<sup>73</sup>

**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.sanjuanae Hatch  
 a.engelhardtii Hatch  
 a.leachi Hatch  
 vespilloides Hbst.  
*martuorum* Fab.  
*fractus* Port.  
 a.andrewesi Port.  
 a.aurora Mots.  
*hebes* Kby.  
*pygmaeus* Kby.  
*vespilloides* 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.  
*nunenmacheri* 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.gagei Hatch  
 a.kadjakensis Port.  
 a.mannerheimi Port.  
 a.binotatus Port.  
*plagiatus* Mots.  
 vespillus L.  
*vulgaris* Fab.  
*cadaverinus* Grav.  
*curvipes* Duft.  
 a.faureli Fauc.  
 a.varendorffii Westh.  
 a.bolsmanni Westh.  
 a.aethiops Schicli.  
 a.minor Westh.  
 a.germani Hatch  
 americanus Oliv.  
*grandis* Fab.  
*virginicus* Frol.  
 melshimeri Kby.  
 hybridus Hatch & Ang.  
 v.minesotianus Hatch  
 nigritus Mannh.  
 v.ruficornis Mots.

<sup>71</sup> Revision by Hatch—40.<sup>72</sup> Hatch—40.<sup>73</sup> 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.funerator 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.lajolke 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.immaculosis Hatch  
 obscurus Kby.  
     *melsheimeri* Lec.  
 a.discontinus Hatch  
 a.ruber Hatch

SILPHINI <sup>73</sup>

**Silpha** L.  
 littoralis L.  
     f.surinamensis Fab.  
     a.bizonatus Port.  
 disciocollis Brullé  
     *analis* Chev.  
     *æquinoctialis* Gistel  
     *brasiliensis* Dej.  
     *cayennensis* Berg (not Sturm)  
     v.elongata Port.  
     v.discreta Port.  
**Thanatophilus** Leach  
 OICEOPTOMA Leach  
 americana L.  
     *pellata* Catesby  
     a.affinis Kby.  
         *terminata* Kby.  
         *canadensis* Kby.  
     a.brunnipenis Hatch  
     noveboracensis Forst.  
         *marginalis* Fab.  
         *marginata* Kby.  
 quadripunctata L.  
     *quadripunctulata* Muller  
     *quadrimaculata* Sam.  
     v.sexipunctata Gerh.  
     a.bifasciata Schulze  
 inæqualis Fab.  
     s.rugulosa Port.  
         *subrugata* Chev. MS  
     a.bicolorata Hatch  
 ramosa Say  
     *cervaria* Mannh.  
     *anescens* Csy.  
         THANATOPHILUS s.str.  
 lapponica Hbst.  
     *tuberculata* Germ.  
     s.caudata Say  
         *californica* Mannh.  
     s.granigera Chev.  
 trituberculata Kby.  
     *sagax* Mannh.  
 coloradensis Wickh.  
     *obalskii* Port.  
 truncata Say  
     *mexicana* Chev. MS  
**Blitophaga** Reitt.  
 opaca L.  
     *hirta* Schaff.  
     *villosa* Næzen.  
     *tomentosa* Villers  
     v.samnitica Fiori  
     v.binotata Port.  
 bituberosa Lec.

\* \* \*

**Silpha**<sup>75</sup>

- THANATOPHILUS Leach  
 trituberculata Kby. Wash.<sup>76</sup>  
 lapponica Hbst. Colo.<sup>77</sup> Ill.<sup>76</sup>  
 \* \* \*  
 coloradensis Wickh. B.C.<sup>77</sup>  
*obalskii* Port. 20-507<sup>77</sup>  
 littoralis L. Eur. Asia, N.A.  
*surinamensis* Fab. 92-72<sup>75</sup>

**Ptomaphagus**

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

## STAPHYLINIDÆ

**Piestinae**<sup>79</sup>**Piestus****Hypotelus****Trigonurus** Muls. 47-515<sup>80</sup>

- \* *edwardsi* Shp. 75-205 Cal. Ore.  
*sharpi* Blkwr. 41-4 Cal.-B.C.  
*crotchii* Lec. 74-48 Cal.-B.C.  
*lecontus* Shp. 75-205<sup>80</sup>  
*lecontei* Shp. 75-206<sup>80</sup>  
*leconteus* Fvl. 78-185<sup>80</sup>  
*cælatus* Lec. 74-48 Cal.  
*rugosus* Shp. 75-204 Nev. Cal.  
*dilatocollis* VanD. 34-178 Cal. B.C.

**Siagonium**

- Trigites** Handl. 07-731  
*(Pseudoleusis* Bnhr. 23-63)<sup>81</sup>  
*(Triga* Fvl. 77-183)<sup>81</sup>  
 \* \* \*

**Phlæocharinae**

- Rimulineola** Sandn. 46-131<sup>82</sup>  
*divalis* Sandn. 46-131 Ark

**Omalinae**

- Trigonodemus**  
*fasciatus* Leech 39-258 B.C.

**Anthobium**

- EUSPHALERUM Kr. 58-1003  
*californicum* Fvl. Wash. Ore.<sup>83</sup>  
*orientale* Bnhr. Wash.<sup>83</sup>  
*farraræ* Hatch 44-101 Wash.  
*grayæ* Hatch 44-102 Wash. Ore.  
 ANTHOBIUM s.str.  
*bonnelli* Hatch 41-103 Wash.  
*minskæ* Hatch 44-104 Wash.

**Oxytelinae**

- Carpelimus** Sam. 19 174<sup>81</sup>  
*(Trogophleus* Mannh. 31-163)<sup>81</sup>

<sup>75</sup> Key to larvae, Dorsey—40.<sup>76</sup> Hatch—40.<sup>77</sup> Bjorkman & Hatch—39.<sup>78</sup> Arnett—46.<sup>79</sup> Elevated from tribe, Blackwelder—43.*(Tanosoma* Mannh. 31-464)<sup>81</sup>*(Carpalimus* Steph. 32-324)<sup>81</sup>*(Boopinus* Klima 04-56)<sup>81</sup>*(Teropalpus* Sol. 49-330, subg.)<sup>81</sup>*(Trogolinus* Shp. 00-231)<sup>81</sup>*(Troginus* M. & R. 79-316, subg.)<sup>81</sup>*(Amisammus* Gozis 86-5, subg.)<sup>81</sup>*(Amisanimus* B. & S. 10-95)<sup>81</sup>*fulvipes* Er. 40-804 N.A. C.A. S.A. W.I.*rubripennis* Fvl. 63-410<sup>81</sup>*senilis* Shp. 80-51<sup>81</sup>*texanus* Csy. 89-332<sup>81</sup>*aqualis* Gundl. 93-300<sup>81</sup>**Coprophilus***sexualis* Leech 39-259 B.C.**Apocellus** Er. 40-812*(Ocalcomorpha* Fleisch. 21-114)<sup>81</sup>**Oxytelus** Grav. 02-101*(Caccoporus* Thoms. 61-127)<sup>81</sup>*(Styloxys* Gozis 86-15)<sup>81</sup>*(Epomotylus* Thoms. 61-128, subg.)<sup>81</sup>*(Tanycrærus* Thoms. 61-129, subg.)<sup>81</sup>*(Anotylus* Thoms. 61-130, subg.)<sup>81</sup>*(Emopotylus* Bnhr. 10-359, subg.)<sup>81</sup>**Platystethus** Mannh. 31-460*(Platystethus* Steph. 33-273)<sup>81</sup>*(Pycocrærus* Thoms. 61-125)<sup>81</sup>*spiculus* Er. 40-784 Tex. C.A. S.A. W.I.*xiguus* DuVal 57-41<sup>81</sup>**Osorinae**<sup>84</sup>LISPINIINI<sup>84</sup>Lispini<sup>84</sup>**Pseudolispinodes** Bnhr. 26-258*tenella* (Er.) 40-23 N.A. C.A. S.A. W.I.*fauveli* (Shp.) 87-720<sup>81</sup>*flavipennis* (Fvl.) 65-58<sup>81</sup>*tenuis* (Lec.) 63-60<sup>81</sup>**Lispinus** Er. 40-828*æquipunctatus* Lec. 68-50 N.M. Ariz.*linearis* Er. 40-829 N.A. C.A. S.A.Inopepli<sup>85</sup>**Inopeplus** Smith 51-4<sup>85</sup>*(Ino* Lap. 34-135, not Schrank)<sup>84</sup>*(Euryplatus* Mots. 59-95)<sup>84</sup>*(Pseudino* Fairm. 69-208)<sup>84</sup>*reclusa* Lec. 80-186 Fla. Ala. Tex.*immunda* Rtrtr. 78-191 Md.Thoracophori<sup>84</sup>**Thoracophorus** Mots. 37-98*(Leipophorus* Bnhr. 26-261)<sup>84</sup>*(Stilbogastrus* Bnhr. 08-286)<sup>84</sup><sup>80</sup> Key and revision, Blackwelder—41.<sup>81</sup> Blackwelder—43.<sup>82</sup> Doubtfully assigned here, Sanderson—46.<sup>83</sup> Hatch—44.<sup>84</sup> Generic revision, Blackwelder—42.<sup>85</sup> Transferred from Cucujidae, Blackwelder—42.

- brevicristatus (Horn) 71-332 Fla. Ariz.  
 [C.A. W.J.]  
 costalis (Er.) 40-909 Mass.-Fla.-Neb.-  
 [Cal.]  
 fletcheri Wend. 27-5 Minn.<sup>86</sup>  
 Eleusii<sup>84</sup>
- 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)<sup>84</sup>  
 (*Isomalus* Er. 40-132)<sup>84</sup>  
 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  
 Paralispini<sup>84</sup>
- Paralispinus** Bnhr. 21-67  
 (*Ancæus* Fvl. 65-60)<sup>81</sup>  
 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  
*levigatus* (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.  
 Osoriini<sup>84</sup>
- Neotrochus** Blkw. 43-164  
 minor (Fvl.) 63-437 ?N.A. W.I. S.A.  
 parvulus (Chpn.) 28-66 La.  
 arizonicus (Chpn.) 28-66 Ariz.  
 levicauda (Lec.) 66-376 Ky.-N.M.-Mich.  
 brachypterus (Fvl.) 05-136 Va.-Fla.-La.  
*minor* (Lec.) 77-216<sup>81</sup>
- Osorius** Latr. 27-332  
 (*Molosoma* Say 34-462)<sup>81</sup>  
 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)<sup>81</sup>  
 (*Hemistenus* Mots. 60-557, subg.)<sup>81</sup>  
 (*Mesostenus* Rey 83-183)<sup>81</sup>
- (*Parastenus* Heyd. 05-262)<sup>81</sup>  
 (*Hypostenus* Rey 83-183, subg.)<sup>81</sup>  
 (*Astenus* Lynch 84-341)<sup>81</sup>  
 (*Stenosidotus* Lynch 84-338)<sup>81</sup>  
 (*Areus* Csy. 84-150)<sup>81</sup>  
 (*Tesnus* Rey 83-183, subg.)<sup>81</sup>  
 (*Mutinus* Csy. 84-146)<sup>81</sup>  
 vista Sandn. 46-430 Colo. Man. N.W.T.
- Stylopodinae**<sup>81</sup>
- Stylopodus** Ben. 17-190  
 (*Megalops* Er. 40-751)<sup>81</sup>  
 (Not Lacepède)  
 (*Perostylus* Ben. 17-190)<sup>81</sup>  
 (Not Pilsbry)  
 (*Megalopsidia* Leng 18-204, subg.)<sup>81</sup>  
 (*Aulacotrachelus* Ben. 21-1)<sup>81</sup>  
 (*Megalopsidiella* Bnhr. 33-333,  
 [subg.]<sup>81</sup>)  
 (*Gata* Blkw. 43-202, subg.)
- Pæderinae**
- Ocethephilum** Steph. 29-287<sup>81</sup>  
 (*Cryptobium* Mannh. 31-452)<sup>81</sup>  
 (*Ababactus* Shp. 85-533, subg.)<sup>81</sup>  
 (*Cryptobiella* Csy. 05-29, subg.)<sup>81</sup>  
 (*Neobactus* Blkw. 39-96, subg.)<sup>81</sup>  
 (*Ocethephilum*, typ. error)  
 fracticorne (Payk.) 90-135 Eur. N.Afr.  
 [Mass.]<sup>86a</sup>
- Daenochilus**  
 fresnoensis Leech 39-261 Cal.
- Lithocharis**  
 ardenus Sandn. 45-94 N.Y.-Ga.-Kan.
- Rugilus** Sam. 19-173<sup>81</sup>  
 (*Stilicus* L. & S. 25-495)<sup>81</sup>  
 (*Stilicosoma* Csy. 05-219)<sup>81</sup>
- Stilicolina**<sup>87</sup>  
 fasta Sandn. 47-28 Ariz.
- Astenus**  
 fletcheri Wend. 27-5 Minn.<sup>86</sup>
- Sunius** Steph. 29-287  
 HYPOMEDON M. & R. 78-122<sup>81</sup>  
 (*Chloëcharis* Lynch 84-257)<sup>81</sup>  
 (*Hemimedon* Csy. 05-160)<sup>81</sup>  
 (*Lena* Csy. 05-189)<sup>81</sup>  
 (*Euastenus* Fiori 15-10)<sup>81</sup>  
 SUNIUS s.str.  
 (*Oligopterus* Csy. 86-12)<sup>81</sup>  
 (*Medonella* Csy. 05-180)<sup>81</sup>  
 (*Micromedon* Csy. 05-155)<sup>81</sup>  
 (*Xenocharis* Brg. 34-328)<sup>81</sup>  
 CALODERMA Csy. 86-5<sup>81</sup>  
 TRACHYSECTUS Csy. 86-38<sup>81</sup>

<sup>86</sup> Originally cited in error as N.Y.; see Fletcher 30-190.

<sup>86a</sup> Frost—47.

<sup>87</sup> Key to species, Sanderson—47.

(*Actobius* FvL. 76-72)<sup>81</sup>  
(*Neobisnius* GgIb. 95-164)<sup>81</sup>

**Staphylinus** L.<sup>88</sup>  
(*Staphylinus* Rau 44-15)  
maculosus Grav.  
maculosis Rau 44-15

**Ocypus** Sam. 19-172 (not Kr. 58-536)<sup>81</sup>  
ater Grav. Cal.<sup>89</sup>  
GOËRIUS Steph. 29-275<sup>81</sup>  
olens Müll. 64-23 Cal.<sup>89</sup> 90 Mex.<sup>90</sup> Eur

**Atanygnathus** Jacobs. 09-521  
(*Tanygnathus* Er. 38-417, not  
[Wagler]<sup>81</sup>  
(*Tanygnathinus* Rtrr. 09-105)<sup>81</sup>

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

### Trichopseniina<sup>91</sup>

**Trichopsenius** Horn 77 88<sup>92</sup>  
\* depressus (Lec.) 63-30 Fla. Tenn. La.  
xenoflavipes Seev. 45-70 Ind. Ill.  
frosti Seev. 45-70 Mass.  
longipes Seev. 45-71 Utah. Cal.

**Xenistusa**  
hexagonalis Seev. 41-324 Fla.

### Tachyporina

**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.<sup>93</sup>

**Conosomus** Mots. 57-54<sup>81</sup>  
(*Conurus* Steph. 29-272, not Kuhl)<sup>81</sup>  
(*Conosoma* Kr. 57-431)<sup>81</sup>

### Pulicomorphina<sup>94</sup>

**Pulicomorpha** Mann 24-87<sup>94</sup>  
\* cæca Mann 24-88 L. Cal.

**Beyeria** Fenyes 10-118<sup>94</sup>  
\* vespa Fenyes 10-119 Ariz.  
pulex Sandn. 43-137 Ark.

<sup>81</sup> Blackwelder—43.

<sup>88</sup> Key to larvæ, Voris—39.

<sup>89</sup> Van Dyke—45.

<sup>90</sup> Blackwelder collection.

<sup>91</sup> Seevers—41.

<sup>92</sup> Revision, Seevers—45.

<sup>93</sup> Malkin—44.

<sup>94</sup> Revision, Sanderson—43.

### PSELAPHIDÆ

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

### CLAVIGERIDÆ

**Fustiger**  
knausi Schffr. Colo.<sup>95</sup>

### LIMULODIDÆ<sup>96</sup>

(*Limulodina*, *Cephaloplectina*)<sup>97</sup>

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

### SPILERITIDÆ

**Sphaerites**  
polutus Mannh. 46-514<sup>98</sup> Alas. Alb. Cal.  
*glabratus* Horn 80-247<sup>98</sup>  
[glabratus Fabr. not N.Amer.<sup>98</sup>]

### HISTERIDÆ

(see also below)

**Hololepta**  
fossularis Say 25-17  
*aqualis* Say 25-47<sup>99</sup>

**Hister**  
falli Biekh. 12-290  
*gagates* Fall 10-121<sup>1</sup>  
(not Illiger, 1807)  
PARALISTER Biekh. 16-188  
osculatus Blatch. 10-607<sup>3</sup>  
*puncticollis* Schffr. 12-26<sup>2</sup>  
dispar Lec. 45-57<sup>3</sup>  
purpurascens Hbst. 92-42 Eur. Pa.<sup>2</sup>

**Spilodiscus** Lewis 06-343<sup>4</sup>  
floridanus Ross 40-7 Fla.  
gloveri Horn 70-134<sup>5</sup>

<sup>95</sup> Rotger—44.

<sup>96</sup> New family, with key to genera and species,  
Seevers & Dybas—43.

<sup>97</sup> Seevers & Dybas—43.

<sup>98</sup> W. J. Brown—44.

<sup>99</sup> Bradley—43.

<sup>1</sup> Biekhardt—12 and McGrath & Hatch—44.

<sup>2</sup> Siepmann—39.

<sup>3</sup> Placed in subgenus by Bradley—43.

<sup>4</sup> Used as valid genus, Ross—40.

<sup>5</sup> Transferred from Hister, Ross—44.



- Atholus** Thoms. 62-228<sup>4</sup>  
 minutus Ross 40-8 Fla.
- Pseudister**  
 (hospes Lewis 02-236 prob. not N. Amer.<sup>9</sup>)
- Platysoma**  
 lecontei Mars. 53-273<sup>7</sup>  
*depressum* Lec. 45-40<sup>6</sup>  
*lecontei* of authors<sup>6</sup>
- Psilosecelis**  
 repletus Lec.<sup>8</sup>
- Dendrophilus**<sup>9</sup>  
 opacus Ross 40-104 S.C.
- Terapus**<sup>10</sup>  
 \* 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  
 fimbriatus Lec [Wash.  
 v desertoides McGr. & H. 41-61 Wash.  
 rossi Wenzel 39-388 Ill.
- Eremosaprinus** Ross 39-39<sup>11 12</sup>  
 \* 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.<sup>13</sup> Fla.  
 tibialis Ross 40-5 Fla.  
 rugosifrons (Fall) 19-213<sup>14</sup> Man.
- Yarmister** Wenzel 39-391  
 barberi Wenzel 39-392 Fla.
- Reninus** Lewis 89-275  
 (Renia Lewis 85-167)<sup>15</sup>  
 salvini Lewis 88-220 Tex.<sup>15</sup> Mex.
- Hypocæcus**  
 kincaidi McGr. & H. 41-62 Wash.

\* \* \*

HISTERIDÆ<sup>16</sup>

(see also above)

## SAPRINOMORPHÆ

Abraeinae<sup>16</sup>ABRÆINI<sup>16</sup>Abraeus<sup>16</sup><sup>6</sup> Bradley—43.<sup>7</sup> Correct spelling, Bradley—43.<sup>8</sup> A species inquirendæ, Bradley—43.<sup>9</sup> Key to species, Ross—40.<sup>10</sup> Key to species, Hinton—45.PLEGADERINI<sup>16</sup>Plegaderus<sup>16</sup>ACRITINI<sup>16</sup>Aeletes<sup>16</sup>floridae Mars.<sup>16</sup>Halaeritus Schmidt 93-ciii<sup>16</sup>(Paracritus Brèthes 23-40)<sup>16</sup>

pallelus Csy. 16-251

salinus (Lec.) 78-402

maritimus (Lec.) 51-170

W. Va.

Fla.

Cal.

Aeritus Lec.<sup>16</sup>

exiguus Er. 34-208

*subdepressus* (Blatch.) 22-13<sup>16</sup>TERETRIINI<sup>16</sup>

## (Teretrius, Teretriosoma)

Saprininae<sup>16</sup>Saprinus<sup>16</sup>Geomysaprinus Ross 40-2<sup>16</sup>

rugosifrons (Fall) 19-213

Man.

Hypocæcus<sup>16</sup>

iris (Fall) 19-214

Man. Wis.

*alutiger* (Wenzel) 35-789<sup>16</sup>Dendrophilinae<sup>16</sup>

## Geocolus Wenzel 44-92

cæcus Wenzel 44-94

Ga.

Baeanius<sup>16</sup>Carcinops Mars.<sup>16</sup>

cribripuga Wenzel 44-102

Fla.

Tribalinae<sup>16</sup>Epierus<sup>16</sup>Histerinae<sup>16</sup>HOLOLEPTINI<sup>16</sup>Hololepta<sup>16</sup>HISTERINI<sup>16</sup>Margarinotus Mars. 53-549<sup>16</sup>\* (Grammostethus Lewis 06-400)<sup>16</sup>(Paralister Bickh. 16-188)<sup>16</sup>(Stenister Reich. 26-270)<sup>16</sup>

adonis (Blatch.)

<sup>11</sup> Described as a subgenus of Saprinus.<sup>12</sup> Considered a distinct genus, Ross—40.<sup>13</sup> Ross—44.<sup>14</sup> Transferred from Saprinus, Ross—44.<sup>15</sup> Wenzel—40.<sup>16</sup> Partial reclassification of family, Wenzel—44.

- cadaverinus (Hoffm.) 03-34  
*obtusatus* of authors <sup>16</sup>  
*virginia* (Csy.) 93-541 <sup>16</sup>  
 californicus (Mars.)  
 cognatus (Lec.)  
 confusus Wenzel 44-133 Mass.-Ill.  
 davisii (Schæf.)  
 ednae (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 <sup>16</sup>  
 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 <sup>16</sup>  
 stygius (Lec.)  
 umbilicatus (Csy.)  
 umbratilis (Csy.)  
 umbrosus (Csy.)  
**Atholus** Thoms. <sup>16</sup>  
 bolteri Wenzel 44-137 Fla.

**Heteriinae** <sup>16</sup>**HETAERIOMORPHINI** <sup>16</sup>**Yarmister** <sup>16</sup>

\* \* \*

**LAMPYRIDÆ**

- Brachylampis** VanD. 39-15  
 sangunicollis VanD. 39-16 Cal.  
 blaisdelli VanD. 39-17 Cal.

**CANTHARIDÆ**

- Chauliognathus**  
 texanus K. Fender 43-63 Tex.
- Podabrus** <sup>20</sup>  
 fayi Lec. 66-91 <sup>17</sup>  
 cascadenis K. Fend. 43-64 Ore.  
 branneus K. Fend. 43-65 Ariz.  
 danielsi K. Fend. 43-65 Wash. <sup>18</sup> Ore.  
 latimanus Mots. Ore. <sup>18</sup>  
 conspiratus Fall Ore. <sup>18</sup>

- pruinus Lec. Ore. <sup>18</sup>  
 v. diversipes Fall Ore. <sup>18</sup>  
 falli Hopp. Wash. Ore. <sup>18</sup>  
 fulvus Fall Ore. <sup>18</sup>  
 lanei K. Fend. 45-78 Wash. Ore. Ida.  
 extricatus Fall Ore. <sup>18</sup>  
 macer Lec. Ore. Wash. <sup>18</sup>  
 piniphilus Esch. Ore. Wash. <sup>18</sup>  
 extremus Lec. N.H. Alb. Wash. Alas. <sup>18</sup>  
 bolteri Lec. Cal. <sup>19</sup> Ore. <sup>18</sup>  
 pattoni Lec. 66-394 Can. Pa. <sup>19</sup>  
 deceptus Brown 40-161 Man.  
 perplexus Brown 40-161 Man.  
 secretus Brown 40-161 Que.  
 fissilis Fall Wash. <sup>18</sup>  
 instabilis Fall (not Lec.) Ore. Wash. B.C. <sup>18</sup>  
 cavicollis Lec. Wash. Ore. <sup>18</sup>  
 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 <sup>21</sup> [Ga.  
 flavipes Lec. 51-341  
*dichrous* Lec. 51-341 <sup>22</sup>  
 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.  
 oriffavus Lec. 74-273 <sup>21</sup> Me.-Ala.-Kan.  
 imbecillus Lec. 51-342  
*imbecillus* Leng 20-143 <sup>22</sup>  
*albolineatus* Blatch. 17-143 <sup>22</sup>  
*imbecillus* Blkwr. 39-31 <sup>22</sup>  
 nigriceps Lec. 50-230 <sup>21</sup>  
*pustillus* Lec. 81-52 (not 1851) <sup>22</sup>  
*mollis* Fall 36-182 <sup>22</sup>  
 s.mimus Fall 36-182 <sup>22</sup>  
 greeni Fall 36-183  
*greeni* Blkwr. 39-32 <sup>22</sup>  
 trianguliferus Green 40-207 N.J.-Fla.-  
 [Ark.  
 nigrohumeralis Green 40-207 Va.-Ala.  
 heterodoxus Green 40-208 Mass.-Ala.-Ill  
 bilobatus McK.-Fend. <sup>24</sup> 41-128 Ont.-  
 N.C.-Tex.  
 carolinus Fab. Ont.-Fla.-Tex.-Minn. <sup>23</sup>  
 dentatus McK.-Fend. 44-20 Cal.
- Polemus**  
 canadensis Brown 40-162 N.B.

<sup>16</sup> Partial reclassification of family, Wenzel—44.<sup>17</sup> Valid species, K. Fender—45.<sup>18</sup> K. Fender—45.<sup>19</sup> Localities transposed in Leng Cat., K. Fender—45.<sup>20</sup> Key to species, Green—40.<sup>21</sup> Valid species, Green—40.<sup>22</sup> Green—40.<sup>23</sup> McKey-Fender—41.<sup>24</sup> 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

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

**MELYRIDÆ****Malachius**<sup>25</sup>

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

Colo.  
Cal.  
Cal.

**Trichochroides** Blais. 38-25<sup>26</sup>

\* scabricollis Blais. 40-290  
muiri Blais. 27-165  
falsus Blais. 40-292  
nunenmacheri Blais. 40-294  
vanduzeei (Blais.) 24-322<sup>27</sup>  
sexualis (Csy.) 95-524<sup>27</sup>  
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.  
Cal.

**Tanaops**<sup>28</sup>

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.

**Microlipus**uniformis (Mots) 59-405<sup>29</sup>B.C.<sup>30</sup>**Anthocomus**

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

**Attalus**

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

Ariz.

**Eudasytes**

brunnipilosa Blais. 40-319

Cal.

**Entrichopleurus**

concinus Blais. 40-321

Utah

**Trichochrous**

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

Nev.  
Cal.

**Listrus**

hoppingi Blais. 40-212

Cal.

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

<sup>26</sup> Revision of genus, Blaisdell-40.

<sup>27</sup> Transferred from *Trichochrous* by Blaisdell-40.

<sup>28</sup> Key to species, M. Y. Marshall-46.

<sup>29</sup> Valid species, M. Y. Marshall-46.

<sup>30</sup> Brown-44.

**Enallonyx** Wolc. 44-47

(*Allonyx* Lec. 62-193)<sup>32</sup>  
(not DuVal, 1860)

**CLERIDÆ****Tillinæ****Monophylla**

(*Macrotelus* Klug 42-274)<sup>33</sup>  
(*Elasmocerus* Lec. 49-13)<sup>33</sup>

**Callotillus****Tillus**

(*Cylinder* Voet 06-78)<sup>33</sup>  
patagoniæ Knull 46-72

Ariz.

**Perilypus****Lecontella****Cymatodera**

pseudotsugæ Barr 47-17  
xavieræ Knull 40-555

Cal. Ore.  
Ariz.

**Bostrichoelerus****Phyllobæniæ**<sup>33 41</sup>**Phyllobænus** Dej. 37-127<sup>33 43 44</sup>

(*Hydnocera* Newm. 38-379)<sup>33 42</sup>  
(*Theano* Chev. 43-33, not Cast.)<sup>33</sup>  
humeralis (Say) 23-192  
humeralis Germ. 24-80<sup>42</sup>  
v. cyanescens (Lec.) 49-28<sup>34</sup>  
difficilis (Lec.) 49-27<sup>34</sup>  
verticalis Say 35-164  
brachyptera (Klug) 42-313<sup>34</sup>  
lineatocollis (Spin.) 44-51<sup>34</sup>  
tenella (Say) 35-164<sup>34</sup>

**Isohydnocera**<sup>23 42</sup>**Wolcottia**<sup>33 42</sup>**Thaneroclerina**<sup>33 44</sup>**Thaneroclerus** Lef. 38-13<sup>44</sup>

\* (*Taneroclerus* Chev. 80-10)<sup>33</sup>  
(*Thaneclerus* Chenu 60-247)<sup>44</sup>  
(*Thaneroclerus* G. & H. 69-1739)<sup>44</sup>  
(*Metademiis* Matsum. 35-234)<sup>33</sup>  
buquet Lef. 35-577<sup>34 44</sup> N.Y. Fla. Cal.  
buqueti Westw. 38-13<sup>34 44</sup> [Cosmop.  
girodi Chev. 80-31<sup>34 44</sup>  
tabacci Matsum. 35-234<sup>34 44</sup>  
v. dermestoides Klug 42-310<sup>34 44</sup> N.Y.

<sup>31</sup> Belongs in *Microlipus*, M. Y. Marshall-46.

<sup>32</sup> Wolcott-44.

<sup>33</sup> Rearrangement and synonymy, Wolcott-47.

<sup>34</sup> Wolcott-47.

<sup>35</sup> Revision of genus, Wolcott-47

<sup>40</sup> Doubtfully retained; not seen since the original publication; Wolcott-47.

<sup>41</sup> Key to genera, Wolcott-44.

<sup>42</sup> Wolcott-44.

<sup>43</sup> Should be Dejean 33-113.

<sup>44</sup> Revision, Corporaal-39.

- Zenodosus** Wole. 10-321<sup>33 44</sup>  
 \* (*Xenodosus* Champf. 20-636)<sup>33 44</sup>  
 (*Zenodosus* Leng 20-470)<sup>33</sup>  
 sanguineus Say 35-162 U.S. Can.
- Ababa** Csy. 97-653<sup>33 44</sup>  
 \* (*Prionodera* Wole. 10-396)<sup>33 44</sup>  
 (*Prionostichus* Wole. 11-125)<sup>33 44</sup>  
 (*Wolcottella* Lucas 20-669)<sup>33 44</sup>  
 tantilla Lec. 65-96 Ala.-Tex.-Bra.  
 crinita Csy. 97-653<sup>44</sup>
- Clerina**<sup>33</sup>
- Priocera**  
 catalinae Cazier 39-162 Ariz.  
 chiricahuæ Knull 39-27 Ariz.
- Colyphus** Spin. 41-72  
 (*Cleronomus* Klug 42-282)<sup>33</sup>  
 (*Derestenus* Chev. 43-13)<sup>33</sup>  
 furcatus Schffr. 04-218 Tex.  
 ornaticollis Lec. 80-194 Ohio  
 melanopterus Dury 06-251<sup>34</sup>
- Placopterus** Wole. 10-363  
 (*Pacilochroa* Chev. 76-5)<sup>33</sup>  
 (not Westring, 1874)  
 (*Placopterus* Leng 20-149)<sup>33</sup>  
 (*Phlacopterus* Britton 31-236)<sup>33</sup>  
 cyanipennis Klug 42-307 [Mex.]  
 v. dasytoides Westw. 49-50 Mex. Tex.  
 haagi Chev. 76-12<sup>36</sup> Mex. Tex.  
 subcostatus Schffr. 17-131<sup>36</sup> Fla. Tex.  
 thoracicus Oliv. 95-18<sup>36</sup> Can.-Fla.-Ind.  
 monilis Melsh. 46-307<sup>34</sup> [Cal.]  
 v. pallipes Wole. 12-55<sup>36</sup>
- Thanasimus** Latr. 06-270  
 \* (*Cleroides* Schffr. 77-137)<sup>33</sup>  
 (*Pseudoclerus* DuVal 60-196)<sup>33</sup>  
 dubius Fab. 77-229 Me.-N.M.-Alas.  
 ruficeps Spin. 44-189<sup>34</sup>  
 repandus Horn 71-342 Cal.  
 trifasciatus Say 25-175 Can.-Pa.-Wis.  
 undatulus Say 35-163 Me.-Mont.-N.M.  
 undulatus Leng 20-149<sup>34</sup>  
 v. abdominalis Khy. 37-241<sup>34</sup>  
 v. nubilus Klug 42-386<sup>34</sup>  
 v. melanocephalus Chev. 71-290<sup>34</sup> N.S.  
 [N.H.]  
 v. monticola Wole. 10-357<sup>34</sup> B.C.-Cal.  
 v. rubriventris Lec. 61-351<sup>34</sup> Cal.
- Enoclerus** Gahan 10-62<sup>37 46</sup>  
 (*Clerus* of authors, not Fab.)<sup>33 46</sup>  
 abdominalis Chev. 34-52 [Mex.]  
 zonatus Klug 42-297<sup>34</sup>  
 v. spinolæ Lec. 53-230<sup>34</sup> Kan.-Mex.-  
 [Cal.]  
 bombycinus Chev. 33-42 Cal. Mex.  
 arneicollis Spin. 44-254<sup>34</sup>  
 sericans Westw. 49-58<sup>31</sup>  
 brevicollis Spin. 44-266 N.A.
- erro Wole. 22-68 Ariz.  
 inyoensis VanD. 38-191 Cal.  
 lecontei Wole. 10-359  
 nigriventris Lec. 61-351<sup>34</sup>  
 (not Blanchard, 1843)  
 liljebladi Wole. 22-73 N.Y.-Wis  
 mexicanus Cast. 36-44 Tex.-Pan.  
 assimilis Spin. 41-249<sup>34</sup>  
 v. assimilis Chev. 43-17<sup>34</sup>  
 v. semiochraceus Chev. 74-292<sup>34</sup>  
 v. silbermanni Chev. 43-21<sup>34</sup>  
 nigrifrons Say 23-190 Can.-Ala.-Neb.  
 v. testaceipes Wole. 22-72 Ind.  
 venator Chev. 43-18 Tex. Mex.  
 lesueurii Spin. 41-249<sup>34</sup>  
 vetus Wole. 27-107 Tex.  
 crabronarius of authors  
 (not Spinola, 1844)  
 schaefferi Barr 47-24  
 humeralis Schffr. 05-155<sup>36a</sup>  
 eximius Mannh.  
 s. trullionis Barr 47-21 Utah Nev. Ida.  
 Ore.
- Trichodes** Hbst. 92-151<sup>33 37a 45</sup>  
 (*Clerus* Curt. 24-44)<sup>33</sup>  
 basalis VanD. 43-41 Cal.  
 ornatus Say 23-189 Tex.-Alas. Mex.  
 tenellus Lec. 58-72<sup>34</sup>  
 douglasianus White 49-60<sup>34 42</sup>  
 hartwegianus White 49-60<sup>34 42</sup>  
 v. obsoletus Wole. 44-59<sup>34</sup> Ariz.  
 simulator Horn 80-149 Colo.<sup>42</sup> Utah N.M.  
 flavescens Ckll. 98-115<sup>42</sup>
- Aulicus**
- Serriger**
- Xenoclerus**
- Epiphlecinæ**<sup>33</sup>
- Phlogistosternus** Wole. 44-124<sup>33 37b</sup>  
 (*Phyllobænanus* Spin. 44-1)<sup>33 42</sup>  
 (not Dejean, 1837)  
 (*Theano* Chev. 43-33)<sup>42</sup>  
 californicus VanD. 23-47 Cal.  
 dislocatus Say 25-176 Can.-Ga.-Tex.  
 distotatus Wole. 44-124  
 distrophus Klug 43-374<sup>34</sup>  
 transversalis Spin. 44-4<sup>34</sup>  
 merkeli Horn 96-374 Ariz. N.M.
- Neichneæ** Wole. & Chpn. 18-108  
 (*Ichneæ* Cast. 36-55, part)<sup>34</sup>  
 (*Ellipotoma* Wole. 10-858)<sup>34</sup>  
 (not Spinola, 1844)
- Ichneæ** Cast. 36-55  
 \* elongata Knull 39-27 Ariz.

<sup>33</sup> Rearrangement and synonymy, Wolcott—47.<sup>34</sup> Wolcott—47.<sup>36</sup> Transferred from *Cleronomus*, Wolcott—47.<sup>36a</sup> Barr—47.<sup>37</sup> Reinstated by Wolcott—47.<sup>37a</sup> Listed as synonym of *Clerus* Fab. by Wolcott—47.<sup>37b</sup> Originally placed in *Phyllobænanæ*.<sup>38</sup> Valid species, Wolcott—47.<sup>42</sup> Wolcott—44.<sup>41</sup> Revision, Corporaal—39.<sup>46</sup> Blackwelder—45.



**Enopliinae**<sup>33</sup>

- Orthopleura** Spin. 44-80  
(*Dermestoides* Schffr. 71-220)<sup>33</sup>  
texana Bland 63-356<sup>38</sup> Tex.
- Pelonides** Kuw. 91-8  
(*Pyticara* Spin. 41-75)<sup>33</sup>  
humeralis Horn 68-135 Tex. N.M. Mex.  
v.perroudi Pic 33-12<sup>34</sup> Tex.  
similis Knoll 38-97 Tex.

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

- Corinthiuseus** F. & G. 61-4  
(*Pelonium* Spin. 44-347, part)<sup>33</sup>

- Cregya** Lec. 61-197  
\* (*Galerucerus* Gahan 10-75)<sup>33</sup>  
mixta Lec. 66-98 Md.-Tex.  
oculata Say 35-163 Mass.-Tex.  
*marginipennis* Spin. 44-363<sup>34</sup>  
quadrisignata Spin. 44-365 Tex. C.A.  
v.bilineicollis Chev. 74-327<sup>34</sup> Tex.  
*quadrinotata* Chev. 74-328<sup>34</sup>  
*uncinata* Chev. 74-328<sup>34</sup>

**Korynetinae**<sup>33</sup>

- [**Erolestus** Wole. 27-108 not N.A.<sup>34</sup>]
- [**Korynetes** Hbst. 92-148 not N.A.<sup>34</sup>]

- Tarsostemus** Spin. 44-287  
\* univittatus Rossi 92-44 Cosmop.  
*albofasciatus* Melsh. 46-306<sup>34</sup>  
*biguttatus* Montr. 60-260<sup>34</sup>  
*fasciatellus* Spin. 44-172<sup>34</sup>  
*fasciatus* Curt. 32-270<sup>34</sup>  
*marens* Westw. 49-57<sup>34</sup>  
*picipennis* Westw. 49-48<sup>34</sup>  
*succinctus* Chev. 42-277<sup>34</sup>

**Lebasiella**

- Lærdelia** Lucas 20-380  
(*Necrobionides* Gahan 10-76)<sup>33</sup>  
\* discoidea (Lec.) 81-77<sup>39</sup> N.M. Ariz.  
janthina Lec. 66-99<sup>39</sup> L.Cal.  
maelicollis Lec. 74-63<sup>39</sup> Cal.  
*foliolus* Chev. 74-326<sup>39</sup>  
*lineatocolle* Chev. 74-326<sup>39</sup>  
v.nigricollis Wole. 27-110<sup>39</sup> Cal.

- Necrobia** Oliv. 95-5  
\* (*Agonolia* M. & R. 63-122)<sup>33</sup>  
?mesosternalis Schffr. 08-135 Ariz. Mex.  
ruficollis Fab. 75-57 Cosmop.  
v.knochei Kolbe 12-9<sup>34</sup>  
rufipes Deg. 75-165 Cosmop.  
*amethystina* Steph. 32-417<sup>34</sup>  
*dermestoides* P. & M. 83-68<sup>34</sup>  
*foveicollis* Schkg. 00-20<sup>34</sup>  
*glabra* Champoll. 14-41<sup>34</sup>

- mumiarum* Hope 34-54<sup>34</sup>  
*pilifera* Rtrr. 94-85<sup>34</sup>  
v.æneipennis Csiki 00-124<sup>34</sup>  
violacea L. 58-356 Cosmop.  
*angustata* Fald. 35-210<sup>34</sup>  
*chalybea* Sturm 37-43<sup>34</sup>  
*errans* Melsh. 46-307<sup>34</sup>  
*quadra* Marsh. 02-323<sup>34</sup>
- Opetiopalpus** Spin. 44-110  
\* (*Opetiopselaphus* G. & H. 69-1759)<sup>33</sup>  
luridus Spin. 44-113<sup>49</sup> ?N.A.

**CEDEMERIDÆ**

- Rhinoplatia** Horn 68-137<sup>47</sup>  
\* mortivallicola Arnett 48-243 Cal.  
ruficollis Horn 68-138 Nev. Cal.
- Asclera**<sup>48</sup>  
auripilis VanD. 46-81 Cal.

**MORDELLIDÆ**<sup>56</sup>

- Tomoxia** Costa 54-8<sup>49</sup>  
\* inclusa Lec. 62-45 Me.-Md.-Mich.-Ont.  
borealis (Lec.) 62-46<sup>50</sup> N.B.-Pa.-Colo.  
lineella Lec. 62-45 N.B.-Md.-C.St.  
fascifera (Lec.) 78-427<sup>50</sup> D.C. Fla. Tex.  
undulata (Melsh.) 46-316<sup>50</sup> Me.-Md.-Ill.  
serval (Say) 35-191<sup>50</sup> c.St.  
triloba (Say) 24-139<sup>50</sup> Vt.-Ala.-Kan.  
carinata (Smith) 83-3<sup>50</sup> Fla.-Tex.  
discoidea (Melsh.) 46-315<sup>50</sup> N.Y.-Tenn.-  
[Iowa  
v.flaviventris (Smith) 83-3<sup>50</sup> Fla. Tex.  
\* \* \*
- latipalpis Ray 46-90 Fla.
- Glipa** Lec. 59-17<sup>49</sup>  
\* hilaris (Say) 35-190 Pa.-Tex.  
*hieroglyphica* Sz. 78-372<sup>51</sup>  
oculata (Say) 35-190<sup>50</sup> Pa.-Ga.-Mich-  
*jovialis* (Lec.) 78-428<sup>51</sup> [Tex.  
octopunctata (Fab.) 75-263<sup>50</sup> N.Y.-Tex.  
bidentata (Say) 23-277<sup>52</sup> Me.-N.C.-Kan.  
inflammata (Lec.) 62-46<sup>50</sup> Fla.  
perlineata (Fall) 07-254<sup>50</sup> N.M. Ariz.  
\* \* \*
- Mordella**<sup>49</sup>  
(*Sphalera* Lec. 59-17)<sup>51</sup>  
signata Champ. 91-276 N.M.<sup>51</sup> C.A.  
sehwarzi Lilj. 45-34 Fla.  
capillosa Lilj. 45-35 Colo.  
*pubescens* Lilj. (not Fab.)<sup>51</sup>  
cinereoatra Lilj. 45-41 Fla.  
marginata Melsh. 46-312 Pa.  
v.lineata Melsh. 46-313<sup>51</sup> Pa.  
invisitata Lilj. 45-48 Fla.  
novemnotata Ray 44-118 Ariz. Mex.  
latemaculata Ray 44-122 Tex. Mex.  
pretiosa Champ. 91-302 Tex.<sup>54</sup> Mex.  
brevistylis Lilj. Tex.<sup>54</sup>

<sup>39</sup> Transferred from Korynetes, Wolcott—47.<sup>45</sup> Key to species, Wolcott—44.<sup>47</sup> Revision, Arnett—48.<sup>48</sup> Key to Pacific Coast species, Van Dyke—46.<sup>49</sup> Key to species, Liljebland—45.<sup>50</sup> Transferred from Mordella by Liljebland—45.  
<sup>51</sup> Liljebland—45.<sup>52</sup> Transferred from Tomoxia by Liljebland—45.<sup>53</sup> Valid species, Ray—39.<sup>54</sup> Ray—46.

- quadrupunctata Say Colo.<sup>54</sup>  
 fuscoimerea Fall Utah<sup>54</sup> Ariz.  
 longipalpis Ray 46-121 Ill.
- Isotrilophus** Lilj. 45-18  
 erratica (Smith) 83-80<sup>55</sup> Ark.<sup>54</sup> Fla. Tex.  
*ebenina* (Champ.) 91-306<sup>51</sup>
- Glipodes**  
 sericans Melsh. Ark.<sup>54</sup>
- Conalia** M. & R. 58-313  
 helva (Lec.) 62-18<sup>57 58</sup> Mass.-Fla.-Kans.  
 melanops Ray 46-91 Que.
- Mordellistena**<sup>49</sup>  
 fuscipennis (Melsh.) 46-314 N.S.-Va.-  
*ptyptera* Lec. 62-51<sup>51</sup> [Mich.  
 badia Lilj. 45-164 Kan.  
 lodingi Lilj. 45-173 Ala.  
 husseyi Lilj. 45-176<sup>59</sup> Tenn.<sup>54</sup> Ill.<sup>54</sup> Mich.  
 texana Smith 82-98 Tex.  
*insolita* Lilj. 17-11<sup>51</sup>  
 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. 45-133<sup>59</sup> Ga.<sup>54</sup> Ohio<sup>54</sup>  
 [Ill.<sup>54</sup> Fla.  
 subfuscus Lilj. 45-134 Ariz.  
 wickhami Lilj. 45-135<sup>59</sup> Ill.<sup>54</sup> Utah  
 crinita Lilj. 45-136 Tex.  
 discolor (Melsh.) 45-313  
*cinereo-fasciata* Smith 82-98<sup>51</sup>  
*wolcottii* Lilj. 17-12<sup>51</sup>  
 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.  
 andree Lec. 62-50 c.St. Ga.  
*grammica* Lec. 62-50<sup>51</sup>  
 v.aneilla Lec. 62-50<sup>51</sup> Mass.-Fla.-Ill.  
*varians* Lec. 62-50<sup>51</sup>  
 v.usulata Lec. 62-50<sup>51</sup> c.St. s.St.  
 cervicalis Lec. 62-49 Me.-N.C.  
*picicornis* Lec. 62-49<sup>51</sup>  
*auricoma* Helm. 65-96<sup>51</sup>  
*exilis* Lilj. 17-10<sup>51</sup>  
*comata* of Smith (not Lec.)<sup>51</sup>  
 scapularis (Say) 24-277 N.S.-Md.-Mich.  
*biplagiata* Helm. 64-105<sup>51</sup>  
 pauxilla Lilj. 45-93 Ill.  
 paradisa 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. 64-105<sup>51</sup>  
*lepidula* Lec. 62-48<sup>51</sup>  
*amica* Lec. 62-49<sup>51</sup>  
 sexnotata Dury 02-176 Ky. N.M.  
*festiva* || Fall 07-255<sup>51</sup>  
*falli* Csiki 15-34<sup>51</sup>
- viridescens Lilj. 45-78 Fla.  
 wenzeli Lilj. 45-79 Ga.  
 arida Lec. 62-48 Mass.-Va.-Mich. Ariz.  
*rutila* Lilj. 17-10<sup>51</sup>  
 knausi Lilj. 45-82 Utah  
 frosti Lilj. 18-156 Me. Que.<sup>54</sup>  
 picipennis Smith 82-91 N.Y. Ga. O.  
 [Tenn.<sup>54</sup>  
 dietrichi Ray 46-94 Miss.  
 lateralis Ray 46-95 Ill.  
 heterocolor Ray 46-96 Fla.  
 splendens Smith 82-95 N.C.<sup>54</sup> Fla. Ill.  
*splendens* of authors  
 rufa Lilj. 17-11 Ill. Ala.<sup>54</sup>  
 mixta Ray 46-97 Ill.  
 incommunis Lilj. 21-185 Man. Mich.  
 [Tenn. Ill.  
 masoni Lilj. 18-157 N.J. Conn.<sup>54</sup> N.C.<sup>54</sup>  
 fuscipennis Melsh. 46-314 Ill.<sup>54</sup>  
 vera Lilj. 17-11 Mo. S.C.<sup>54</sup>  
 gigas Lilj. 17-13 Ill. N.Y.<sup>54</sup> Que.<sup>54</sup>  
 fusco-atra Helm. 64-105 Ill. N.Y.<sup>54</sup>  
 smithi Dury 02-177 Md.-Ill.-Ark.<sup>54</sup>  
 sericans Fall Cal.<sup>54</sup>  
 incommunis Lilj. Wyo.<sup>54</sup>  
 terminata Ray 46-48 Okla.  
 arcuata Ray 46-49 Tex.  
 neocincta Ray 46-42 Tex. Ariz.  
 sparsa Champ. 91-335 Mex. Cal.<sup>54</sup>  
 huachuacensis Ray 46-42 Ariz.  
 diversa Ray 46-46 Wash. Ore.  
 humerosa Ray 46-47 Ariz.  
 smithi Dury 02-177 Md.-Ill.-Ark.<sup>54</sup>  
 uniformis Ray 46-122 Ill.  
 idahoensis Ray 46-124 Ida.  
 neofascia Ray 46-126 Ariz.  
 infima Lec. 62-49  
*tiara* Ray 36-127<sup>54</sup>  
 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.
- A.N.ASPINI<sup>60</sup>
- Diclidia**<sup>61</sup>  
 sexmaculata Lilj. 45-189 Ariz.  
 obscura Lilj. 45-191 Ariz.  
 spinea Lilj. 45-193 Ariz.  
 sordida Lilj. 45-195 Ariz.
- Pentaria** Muls. 56-391<sup>61</sup>  
 (*Anthobates* Lec. 50-231)<sup>54</sup>  
 (not Gistl, 1847)  
 (*Anthobatula* Strand 29-23)<sup>54</sup>  
 bicincta Champ. 90-254 Tex.<sup>54</sup> Ariz.<sup>54</sup>  
 [Mex.  
 brunneipennis Champ. 90-253 Tex.<sup>54</sup> Mex.  
 bicolor Lilj. 18-155 Colo.<sup>54</sup> Tex.

<sup>49</sup> Key to species, Liljeblad—45.<sup>51</sup> Liljeblad—45.<sup>54</sup> Ray—46.<sup>55</sup> Transferred from Mordellistena by Liljeblad—45.<sup>56</sup> Key to subfamilies, Liljeblad—45, (with key to genera of Mordellini).<sup>57</sup> Transferred from Glipodes by Liljeblad—45.<sup>58</sup> Transferred from Glipodes by Ray—46.<sup>59</sup> Ray—46, dates these species 1946, but the paper was received at the U.S.N.M. in 1945.<sup>60</sup> Key to genera, Liljeblad—45.<sup>61</sup> Key to species, Liljeblad—45.

- fuscula Lec. 62-44 Colo.<sup>54</sup> N.M. Tex.  
 decolor Champ. 91-256 Tex.<sup>54</sup> Mex.
- Anaspis**<sup>61</sup>  
 seposita Lilj. 45-211 B.C.  
 beardslayi Lilj. 45-214 Cal.  
 duryi Lilj. 45-216 Cal.
- Naucles** Champ. 91-257<sup>61</sup>  
 pusio (Lec.) 58-76<sup>62</sup> Utah. Tex.-Cal.  
 tibialis Champ. 91-257 Cal.<sup>51</sup> Guat.  
 basalis Champ. 91-257 Tex.<sup>51</sup> Guat.
- Silaria** Muls. 56-426  
 revelstoeki 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**
- Ripiphorus** Fourc. 91-327  
 (*Rhipiphorus* Bosc 92-293)<sup>63</sup>  
 dammersi Barb. 39-19 Cal.
- Ripidius** Thunb. 06-5  
 (*Rhipidius* of authors)<sup>63</sup>
- STYLOPIDÆ**<sup>64</sup>
- (*Strepsiptera*, *Xenida*)
- Diozocera**<sup>65</sup>  
 comstocki Pierce 41-6 W.Anacapa I.  
 [(Cal.)
- MELOIDÆ**
- Epicauta** Dej. 33-224  
 \* (*Causima* Dej. 37-248)<sup>66</sup>  
 (*Henous* Hald. 52-377)<sup>66</sup>  
 (*Isopentra* Muls. 58-106)<sup>66</sup>  
 (*Macrobasis* Lec. 58-39)<sup>66</sup>  
 (*Apterospasta* Lec. 58-39)<sup>66</sup>  
 (*Nomaspis* Lec. 66-156)<sup>66</sup>  
 (*Gnathospasta* Horn 75-154)<sup>66</sup>  
 abadona Skinn. 04-217 Ariz. Mex.  
 mutchleri Mayd. 34-331<sup>66</sup> [Ariz.]  
 abandona Mayd. 34-331<sup>66</sup>  
 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. 53-340<sup>66</sup> [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 69-162<sup>66</sup>  
 funebris Horn 73-102 Kan.-Tex.-N.M.  
 pennsylvanica (Deg.) 75-15 Me.-Fla.-  
 nigra Woodh. 00-213<sup>66</sup> [Tex.-  
 pennsylvanica Lec. 53-329<sup>66</sup> [Mont.  
 morio Lec. 53-447<sup>66</sup>
- conferta (Say) 24-281 Iowa-Tex.  
 techanus (Hald.) 52-377<sup>66</sup>  
 parva (Hald.) 52-377 Colo. Kan. Neb.  
 parvula Hald. 53-40<sup>66</sup> [Wyo.  
 fallax Horn 85-111 Nev. Cal.  
 albolineata (Dugès) 77-64 Ariz. Mex.  
 duplicata Csy. 91-172<sup>66</sup>  
 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.) 00-213<sup>66</sup>  
 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.  
 Cal.
- ensiformis Werner 44-68  
 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.) 00-214<sup>66</sup>  
 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.) 47-53<sup>66</sup> [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) 89-100<sup>66</sup> [Neb.  
 coracina (Ill.) 04-171<sup>66</sup>  
 convolvuli Melsh. 48-53<sup>66</sup>  
 trichura Wellm. 10-24<sup>66</sup>
- pruinosa Lec. 66-158 Man.-Colo.-Wash.  
 immerita Walker 66-330 Ore.-B.C.  
 piceiventris Mayd. 34-327 Colo.-Ida.  
 elongatocalcarata Mayd. 34-328<sup>66</sup>  
 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. 18-58<sup>66</sup>  
 californica Werner 45-479 Cal.  
 maura || (Lec.) 51-162<sup>66</sup>

<sup>62</sup> Transferred from Anaspis by Liljeblad—45.<sup>63</sup> Barber—39.<sup>64</sup> Not a separate order, Blackwelder—45.<sup>65</sup> Transferred to Halictophagidæ by Pierce—41.<sup>66</sup> Werner—45; revision of genus.

- alphonsu 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. 29-127<sup>66</sup>  
 excavatifrons Mayd. 34-330 Fla.-Ala.  
     [Miss.  
     Ariz.  
 rehni Mayd. 31-329 Ariz.  
 wheeleri Horn 73-101 Ariz.  
 diversipubescent Mayd. 31-333 Tex. N.M.  
 aspera Werner 44-70 Colo.-Tex.-Ariz.  
 immaculata (Say) 23-304 Ind.-Tex.-N.M.  
     *articularis* (Say) 23-304<sup>66</sup>  
     *fulvescens* (Lec.) 53-447<sup>66</sup>  
 segmenta (Say) 23-303 Neb.-Tex.-Ariz.  
     *segmentata* (Lec.) 53-342<sup>66</sup>  
     *valida* (Lec.) 58-39<sup>66</sup>  
 sublineata (Lec.) 53-447 Tex. Mex.  
     *megacephala* Champ. 92-102<sup>66</sup>  
 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 78-63<sup>66</sup>  
 gissleri Horn 78-58 N.M. Ariz.  
 parkeri Werner 44-71 Ariz.  
 fabricii (Lec.) 53-343 Me.-Ga.-N.M.-  
     *cinerea* || (Fab.) 98-119<sup>66</sup> [Man.  
     *debilis* (Lec.) 53-344<sup>66</sup>  
     *unicolor* of Horn 73-92<sup>66</sup>  
 murina (Lec.) 53-344 N.B.-Mont.-Colo.  
     *unicolor* || (Kby.) 37-241<sup>66</sup>  
 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 14-72 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. 54-84<sup>66</sup>  
 texana Werner 44-73 Tex.  
 virgulata (Lec.) 66-156 Tex.-L.Cal. Mex.  
     *hirsutipubescent* Mayd. 34-334<sup>66</sup>  
 linearis (Lec.) 58-23 Tex. N.M.  
 maculifera (Mayd.) 34-335 Ariz.  
 (levettei Csy. 91-171 Not N.Amer.<sup>66</sup>)  
     \* \* \*  
 trichrus  
     *convoluti* (Melsh.) 46-53 (not 48-53)<sup>67</sup>  
 strigosa  
     *nigricornis* (Melsh.) 46-53 (not  
     [48-53])<sup>67</sup>
- Macrobasis**  
 fabricii Lec. 53-343<sup>69</sup>
- Lytta**  
 agrestis Fall Ariz.<sup>70</sup>  
 cribrata Lec. Ariz.<sup>70</sup>  
 nevadensis VanD. 47-155 Nev.  
 rathvoni Lec. 53-335 (not 56-335)<sup>67</sup>
- Tetraonyx**  
 frontalis Chev. 31-14 (not 33-14)<sup>67</sup>
- Pleuropompha** Lec. 62-273<sup>71</sup>  
     *costata* Lec. 54-81 Tex. N.M. Ariz.  
     *tricostata* Werner 43-32 Tex. N.M. Ariz.
- Hornia** Riley 77-564<sup>72</sup>  
     (*Leonia* Dugès 89-211)<sup>73</sup>  
     (*Leonidia* Ckll. 00-11)<sup>73</sup>  
 neomexicana (Ckll.) 99-416 Kan.-Tex.-  
     *gigantea* Wellm. 11-16<sup>73</sup> [N.M.  
     *anthophoræ* Mickel 28-38<sup>73</sup>  
 minutipennis Riley 77-564 D.C. Mo.  
     [s.occidentalis Linsley 42-176 Cal.  
     boharti Linsley 42-177 Cal.

## PYTHIDÆ

- Cononotus**<sup>74</sup>  
 bryanti VanD. 39-18 Ariz.  
 lanchesteri VanD. 39-19 Ida. Utah

## PYROCHROIDÆ

- Ischalia**  
 californica VanD. Cal.<sup>75</sup>
- Dendroides**  
 marginata VanD. 28-259  
     *pacificus* Barrett 32-171<sup>76</sup>

## ANTHICIDÆ

- Notonys**  
 murinipennis (Lec.) 21-170<sup>77</sup>  
     *bicolor* Say 17-pl.4<sup>77</sup>  
     (not Olivier, 1795)

## CEBRIONIDÆ

- Cebrio**  
 abnormis Werner 43-34 Ariz.  
 atokanus Werner 43-35 Okla.  
 bruesi Werner 43-36 Ariz.

<sup>66</sup> Werner—45; revision of genus.<sup>67</sup> Parker in litt.<sup>68</sup> W. J. Brown—40.<sup>69</sup> See also under Epicauta, above.<sup>70</sup> Maehler—39.<sup>71</sup> Key to species, Werner—43.<sup>72</sup> Key to species, Linsley—42.<sup>73</sup> Linsley—42.<sup>74</sup> Key to species, Van Dyke—39.<sup>75</sup> Linsley & Michener—43.<sup>76</sup> Van Dyke—39.<sup>77</sup> Corrected synonymy and citations, Barber—41.

## ELATERIDÆ

Plastocerinae<sup>78</sup>

## Plastocerus

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

Euthysanius<sup>78</sup>

- wagneri VanD. 43-42 Cal.

Aplastus<sup>78</sup>

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

\* \* \*

Laeon Lap. 36-11<sup>79</sup>

- Adelocera Latr. 29-401<sup>79 80</sup>  
 mexicana Cand. 57-70 ?Fla. Ariz. Mex.  
 nobilis Fall 32-58<sup>81</sup>

## Conoderus Esch. 29-31

(Conoderes Leng &amp; M. 33-83)

## HETERODERES Latr. 34-155

- laurentii Guér. 38-31<sup>81 82</sup> Fla. Ala. Cal.  
 [S.A.]  
 amplicollis of VanD. 32-298<sup>81 82</sup>  
 attenuatus Cand. 59-373<sup>81</sup>  
 fuscus Blatch. 25-163<sup>82</sup>  
 fucosus VanD. (Fall 34-9)<sup>82</sup>  
 planidiscus Fall 29-56<sup>82</sup>  
 arizonicus VanD. 39-11  
 bicarinatus VanD. 32-297<sup>81 82</sup>  
 (not Reitter, 1891)  
 duplicatus VanD. 43-44

## Limonius

- meridianus Knull 47-177 Ohio  
 pubicollis Lec. 53-429<sup>83</sup> Fla.-Tex.  
 olentangyi Knull 47-179 Ohio  
 infuscatus Mots. 59-371 ?Ariz.<sup>81</sup> Cal.-  
 [Wash.]  
 canus Lec. 53-433<sup>84</sup> Cal. Wash.  
 discoideus Lec. 61-348<sup>81</sup>  
 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. 83-86<sup>84</sup>(Lepturoides Hbst. 84-103)<sup>84</sup>Ctenicera Latr. 29-403<sup>84</sup>(Ludius Esch. 29-34)<sup>84</sup>

- sierræ (VanD.) 43-48 Cal.  
 nigricans (Fall) 10-135<sup>85</sup> Cal.  
 rotundicollis (Say) 25-259 Vt.-Ind.  
 s. diversicolor (Esch.) 29-34<sup>86</sup> Cal.  
 laricis (W. Brown) 39-46 B.C.

<sup>78</sup> Transferred from Cebriionidæ by Van Dyke—43.<sup>79</sup> Transpose these two names, Dietrich—45 and M. C. Lane in litt.<sup>80</sup> Placed in subfamily Elaterinæ by Van Dyke—43.<sup>81</sup> Van Dyke—43.<sup>82</sup> Van Dyke—39.<sup>83</sup> 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)<sup>87</sup>  
 robinsoni (Knull) 47-180 Tex.

Hypolithus Esch. 29-33<sup>84</sup>

(Cryptohypnus Esch. 36-105)<sup>84</sup>  
 (Hypnoideus Steph. 30-200)<sup>84</sup>

## Dalopius

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

## Melanotus

- longulus Lec.<sup>85</sup>  
 oregonensis Lec.<sup>85</sup>  
 oregonus VanD. 43-51

## MELASIDÆ

Isorhipis B. & L. 35-620<sup>88</sup>

- obliqua (Say) 39-187  
 ruficornis of authors<sup>89</sup>

## Fornax

- orchesides Newm. 38-384  
 molestus Bonv. 70-376<sup>90</sup>  
 canadensis Brown 40-184 Ont.

## Dirhagus Latr. 34-130

- (Hyporhagus Rtttr. 21-81, subg.)<sup>91</sup>  
 (Microhagus B. & L. 35-620)<sup>91</sup>  
 wrighti Knull 46-246 Fla.  
 imperfectus (Lec.) 52-48 Mass.-Ohio<sup>92</sup>

## Hylis Gozis 86-21

- (Hylus VanD. 43-51)  
 HYPOCELUS Esch. 36-4<sup>81</sup>  
 robustus VanD. 43-51 Cal.  
 arizonicus VanD. 45-103 Ariz.

## BUPRESTIDÆ

## Aemaedera

- 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.<sup>99</sup> 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.<sup>99</sup>  
 duboisi Cazier 38-138<sup>93</sup>  
 paradisiuncta Knull 40-36 Tex. Mex.  
 gillespiensis Knull 41-98 Tex.  
 adenostomensis Knull 41-691 Cal.  
 curtulata Knull 41-692 Cal.

<sup>84</sup> Dietrich—45 and M. C. Lane in litt.<sup>85</sup> Valid species, Van Dyke—43.<sup>86</sup> Valid subspecies, Van Dyke—43.<sup>87</sup> W. J. Brown—39.<sup>88</sup> Citation from Blackwelder—44.<sup>89</sup> W. J. Brown—40.<sup>90</sup> Blackwelder—44.<sup>91</sup> Knull—46.<sup>92</sup> Cazier—40.<sup>93</sup> Barr—41.



- yumæ* Knull <sup>94</sup> Ariz. Cal.<sup>99</sup>  
*cphedræ* Barr 42-113 Cal.  
*linsleyi* VanD. 43-101 Cal.  
*moronga* VanD. 43-102 Cal.  
*lucana* VanD. 42-103 L. Cal.  
*laguna* VanD. 45-104 L. Cal.  
*transversa* VanD. 45-105 L. Cal.  
*nautica* VanD. 45-106 Cal.  
*fisheri* Cazier  
     *v. vermiculata* Knull 47-174 Ariz. Cal.  
*opacula* Lec. 58-82 N. M.<sup>99</sup>  
     *amabilis* Horn 78-7 <sup>93</sup>  
*cribricollis* Horn 91-375 Nev.<sup>99</sup> Ariz. Cal.  
     *barrea* Fall 07-241 <sup>93</sup>  
*conata* Lec. 58-70 Ariz.<sup>99</sup>  
     *comata* Lec. 63-13  
*acuta* Lec. Utah <sup>99</sup> Ore.<sup>95</sup>  
*angelica* Fall Ore.<sup>95</sup>  
     *v. nexa* Fall 22-89 <sup>98</sup> Ore.<sup>95</sup><sup>99</sup>  
*bishopiana* Fall Ore.<sup>95</sup>  
*fenyesi* Fall Ore.<sup>95</sup>  
*gemina* Horn Ariz.<sup>99</sup> Nev.<sup>99</sup> Ore.<sup>95</sup>  
*hepburni* Lec. Ore.<sup>95</sup>  
*labyrinthica* Fall Nev.<sup>99</sup> Ore.<sup>95</sup>  
*mariposa* Horn Ore.<sup>95</sup>  
*plagiaticauda* Horn Ore.<sup>95</sup><sup>1</sup><sup>99</sup>  
*sinuata*  
     *v. sexnotata* VanD. Ore.<sup>95</sup>  
*purshiae* Fisher Utah <sup>99</sup> Nev.<sup>99</sup> Cal.<sup>2</sup> Ore.<sup>95</sup>  
     *purschiae* Beer 44-108  
*vandykei* Fall Nev.<sup>99</sup> Ore.<sup>95</sup>  
*variegata* Lec Ore.<sup>95</sup>  
     *varigata* Beer 44-109  
*flavomarginata* Gray L. Cal.<sup>96</sup><sup>99</sup>  
*scapularis* Horn L. Cal.<sup>96</sup>  
*adenostomae* Cazier 39-137 Cal.  
*biedermanni* Skinn. Cal.<sup>99</sup>  
*cribricollis* Horn Nev. Ariz. Cal.<sup>99</sup>  
*dolorosa* Fall Utah <sup>99</sup>  
*flavosticta* Horn L. Cal.<sup>99</sup>  
*gemina* Horn 78-23 Ariz. Nev.<sup>99</sup>  
*wickenburgana* Knull 39-28 Ariz.  
*gibbula* Lec. Tex.<sup>99</sup> L. Cal.<sup>96</sup><sup>99</sup> Mex.<sup>99</sup>  
*hepburni* Lec. Nev.<sup>99</sup>  
*hulli* Knull Cal. Ariz. Mex.<sup>99</sup>  
*insignis* Horn Cal.<sup>97</sup><sup>99</sup> Ariz.<sup>99</sup>  
*junki* Théry Cal. Ariz. Tex.<sup>99</sup>  
*lanata* Horn Nev.<sup>99</sup>  
*latiflava* Fall Nev.<sup>99</sup>  
*lucia* Fall N. M. Utah <sup>99</sup>  
*quadrivittata* Horn N. M. Colo. Utah  
     Mex.<sup>99</sup>  
*robusta* Horn Nev.<sup>99</sup>  
     *v. rubrosuffusa* Fall Nev.<sup>99</sup>  
     *s. duboisi* Cazier 39-138 Cal.  
*sabinæ* Knull Cal.<sup>99</sup>  
*vulturei* Knull Ariz.<sup>99</sup>  
*bivulnera* Horn Ariz. Mex.<sup>99</sup>  
*bowditchi* Fall Tex. Utah <sup>99</sup>
- disjuncta* Fall Tex.<sup>99</sup>  
*falli* Kerr. Tex.<sup>99</sup>  
*opacula* Lec. N. M.<sup>99</sup>  
*rossi* Cazier Ariz. Cal.<sup>99</sup>  
*jaguarina* Knull Ariz. Cal.<sup>99</sup>  
*pinalorum* Knull 30-15 Ariz. Cal.<sup>99</sup>  
*sinuata* VanD.  
     *v. sexnotata* VanD. Ore.<sup>99</sup>
- Acmaeoderoides** VanD. 42-108  
*insignis* (Horn) 94-377 <sup>3</sup> Cal. L. Cal.
- Paratyndaris**  
*grassmani* Parker 47-31 Ariz.  
*olneyæ* Skinn. Ariz. L. Cal.<sup>4</sup> Cal.<sup>4</sup>  
     *olneyæ* VanD. 45-109  
     *s. randalli* Knull 11-694 Tex.  
*albofasciata* Knull L. Cal.<sup>4</sup>
- SCHIZOPINI <sup>5</sup> <sup>8</sup>
- Schizopus** <sup>6</sup>  
     *(Yermoëlla* Obenb. 39-263) <sup>7</sup>  
     *lactus* Lec. 58-70  
     *helferi* (Obenb.) 39-264 <sup>7</sup>  
     *sallei* Horn 85-145
- Glyptoseclimorpha** 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 <sup>7</sup>  
     *s. cuprea* Knull 47-72 Cal.  
     \* \* \*
- Agrocera**  
*gentilis* Horn. Tex. N. M. Mex.<sup>4</sup>  
*s. peninsularis* VanD. 45-107 L. Cal.
- Hippoclas**  
*carolinensis* Horn 83-288 (not 76-288) <sup>9</sup>  
*femorata* Knull 41-386 Cal.  
*pygmæa* Knull 41-386 Tex.  
*brunneata* Knull 47-210 Cal.  
     NANULARIA Csy. 09-172 <sup>10</sup>  
*granulatus* VanD. 42-111 L. Cal.  
*myoensis* VanD. 42-112 Cal.  
*cupreofusca* (Csy.) 09-173 <sup>10</sup> Cal.  
*californica* (Horn) 75-147 <sup>10</sup> Cal.
- Dicera** <sup>11</sup>  
*divaricata* (Say) 23-163 (not 23-13) <sup>9</sup>  
*querici* Knull 41-694 Cal.  
     *s. cajonensis* Knull 44-90 Cal.  
     *strandtmanni* Knull 47-174 Tex.
- Hesperorhipis** <sup>11a</sup>  
*hyperbolus* Knull 38-137 Ariz.  
*s. californicus* Knull 47-70 Cal.

<sup>94</sup> Not a variant of *aurora* Fall, as supposed by Cazier, Knull—41.

<sup>95</sup> Beer—44.

<sup>96</sup> Van Dyke—45.

<sup>97</sup> Timberlake—39.

<sup>98</sup> White—39.

<sup>99</sup> Barr—41.

<sup>1</sup> Beer—40.

<sup>2</sup> Linsley & Michener—43.

<sup>3</sup> Transferred from *Acmaeodera* by Van Dyke—42.

<sup>4</sup> Van Dyke—45.

<sup>5</sup> Key to tribe, Obenberger—39.

<sup>6</sup> Key to species, Cazier—39.

<sup>7</sup> Cazier—41.

<sup>8</sup> Rearrangement, Cazier—41.

<sup>9</sup> W. J. Chamberlin in litt.

<sup>10</sup> Transferred from *Buprestini*, Van Dyke—42.

<sup>11</sup> In 4th Supplement, footnote 8 should read

Van Dyke—34.

<sup>11a</sup> Obenberger—39; revision.

**Cinyra**

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

**Buprestis** L. 58-408

- \* (*Ancylotira* Esch. 29-9)<sup>12</sup>  
(*Gymnota* Gistel 34-10)<sup>12</sup>  
(*Anoplis* Kby. 37-151)<sup>12</sup>  
(*Sterosa* Csy. 09-116, subg.)<sup>12</sup>  
(*Cypriacis* Csy. 09-116, subg.)<sup>12</sup>
- apricans Hbst. 01-125 N.Y.-Fla.-Tex.  
*nigricornis* (Sturm) 26-105<sup>12</sup>  
*aciculata* Dej. 37-88<sup>12</sup>  
*bosci* L. & G. 37-146<sup>12</sup>  
*cribripennis* Csy. 09-127<sup>12</sup>
- decora (Fab.) 75-217 N.J.-Fla.-Tex.  
salisburyensis (Hbst.) 01-174 Mass.-Ga.-  
ultramarina Say 36-160<sup>12</sup> [Wis.  
decora of Csy. 09-127<sup>12</sup>
- s.cazieri Helfer 46-100 NY, N.J.  
aurulenta L. 67-661 Wyo.-Mex.-Cal.-  
lauta (Lec.) 54-17<sup>12</sup> [B.C.  
*radians* (Lec.) 54-17<sup>12</sup>  
*villosa* (Lec.) 73-331<sup>12</sup>  
*fabulosa* Csy. 09-120<sup>12</sup>  
*æmula* Csy. 09-121<sup>12</sup>  
*tacomæ* Csy. 09-121<sup>12</sup>  
*nupta* Csy. 09-122<sup>12</sup>  
*venusta* Csy. 09-122<sup>12</sup>  
*prospera* Csy. 09-123<sup>12</sup> 13  
*affinis* Csy. 09-123<sup>12</sup>  
*adulans* Csy. 09-123<sup>12</sup>  
*bicostata* Dej. 37-88<sup>12</sup>  
*chrysochlora* (Phil.) 64-314<sup>12</sup>
- sulcicolis (Lec.) 59-209 N.S.-N.J.-Que.  
*lateralis* Csy. 09-119<sup>12</sup>
- striata (Fab.) 75-217 Que.-Fla.-Tex.-  
obscura Csy. 09-125<sup>12</sup> [Ont.  
*impedita* Say 36-160<sup>12</sup>  
*canadensis* Csy. 09-124<sup>12</sup>
- intricata Csy. 09-118 Wyo. N.M. Cal.  
*contorta* Hopp. 33-84<sup>12</sup> [B.C.  
*murrayanæ* Hopp. 34-174<sup>12</sup>
- adjecta (Lec.) 54-17 Wyo.-N.M.-Cal.-  
brevis Csy. 09-117<sup>12</sup> [B.C.
- connexa Horn 75-148 Nev. Cal.-Wash.  
langi (Mannh.) 43-237 H.B.T.-N.M.-  
ornata Walk. 66-324<sup>12</sup> [Cal.-B.C.  
*bistrinotata* Csy. 09-108<sup>12</sup>  
*angusta* Csy. 09-108<sup>12</sup>  
*callida* Csy. 09-108<sup>12</sup>  
*fastidiosa* Csy. 09-109<sup>12</sup>  
*mediocris* Csy. 09-109<sup>12</sup>  
*crenata* Csy. 09-110<sup>12</sup>  
*seditiosa* Csy. 09-110<sup>12</sup>  
*leviceps* Csy. 09-110<sup>12</sup>  
*depressa* Csy. 09-111<sup>12</sup>  
*viridimicans* Csy. 09-111<sup>12</sup>  
*incolumis* Csy. 09-112<sup>12</sup>  
*oregona* Csy. 09-112<sup>12</sup>  
*obliqua* Csy. 09-113<sup>12</sup>  
*patruelis* Csy. 09-113<sup>12</sup>  
*graminea* Csy. 09-113<sup>12</sup>
- fasciata (Fab.) 87-177 Que.-Ga.-Wis.  
*sexmaculata* Hausm. 99-30<sup>12</sup>  
*sexplagiata* (Lec.) 59-205<sup>12</sup>  
*therminieri* Chev. 38-68<sup>12</sup>
- fulgens* Csy. 09-107<sup>12</sup>  
*fortunata* Csy. 09-107<sup>12</sup>  
*saturata* Csy. 09-114<sup>12</sup>
- lineata (Fab.) 75-217 N.S.-Fla.-Tex.-Ind.  
*davisi* Nic. & W. 18-95<sup>12</sup>
- maculipennis Gory 40-118 N.J.-Fla.-Tex.  
*inconstans* Melsh. 46-146<sup>12</sup>  
*deficiens* Csy. 09-91<sup>12</sup>  
*fusiformis* Csy. 09-91<sup>12</sup>  
*reducta* Csy. 09-92<sup>12</sup>  
*scripta* Csy. 09-92<sup>12</sup>  
*leporina* Csy. 09-92<sup>12</sup>
- maculiventris Say 24-272 N.S.-Pa.-  
[Okla.-Man.  
*sexnotata* L. & G. 37-129<sup>12</sup>  
*maculiventris* G. & H. 69-1378<sup>12</sup>  
*maura* L. & G. 38-131<sup>12</sup>
- subornata (Lec.) 59-208 Kan.-Cal.-B.C.  
*punctiventris* Csy. 09-99<sup>12</sup>  
*rubronotans* Csy. 09-97<sup>12</sup>  
*violescens* Csy. 09-99<sup>12</sup>  
*adonea* Csy. 09-97<sup>12</sup>  
*histrion* Csy. 09-98<sup>12</sup>
- rusticorum (Kby.) 37-151 Man.-Tex.-  
*paganorum* (Kby.) 37-152<sup>12</sup> [Cal.-  
*lecontei* Saund. 71-40<sup>12</sup> [B.C.
- acomana* Csy. 09-101<sup>12</sup>  
*morosa* Csy. 09-101<sup>12</sup>  
*fusca* Csy. 09-101<sup>12</sup>  
*sublivida* Csy. 09-102<sup>12</sup>  
*caliginosa* Csy. 09-102<sup>12</sup>  
*nigricans* Csy. 09-102<sup>12</sup>  
*lyrata* Csy. 09-103<sup>12</sup>  
*adducta* Csy. 09-103<sup>12</sup>
- nuttalli (Kby.) 37-152 Me.-Va.-Cal.-  
consularis Gory 40-120<sup>12</sup> 13 [Alas.  
*alternans* (Lec.) 59-207<sup>12</sup>  
*conicicauda* Csy. 09-93<sup>12</sup>  
*diruptans* Csy. 09-94<sup>12</sup>  
*contorta* Csy. 09-95<sup>12</sup>  
*gravidula* Csy. 09-95<sup>12</sup>  
*torva* Csy. 09-96<sup>12</sup>  
*boulderensis* Csy. 09-96<sup>12</sup>  
*flavopicta* Csy. 09-96<sup>12</sup>
- s.læviventris (Lec.) 57-43 Ariz. Cal.-  
pugetana Csy. 09-94<sup>12</sup> [Wash.  
*dilatata* Mots. (Lec.) 73-331<sup>12</sup>
- rufipes (Oliv.) 90-16 Pa.-Fla.-Tex.-Kan.  
*virens* Csy. 09-105<sup>12</sup>  
*elongata* Csy. 09-105<sup>12</sup>
- gibbsi (Lec.) 57-42 Cal.-Wash.  
viridisuturalis Nic. & W. 18-100 Cal. Ore.  
*parallela* Obenb. 22-92<sup>12</sup>  
*parallella* Helfer 41-177  
*lesnei* Garnett 22-9<sup>12</sup>
- fremontiae Burke 24-70 Cal.  
confluenta Say 23-159 Que.-B.C.-Tex.-  
confluens (Lec.) 59-206<sup>12</sup> [Cal.  
*tesselata* Csy. 09-104<sup>12</sup>

**Xenorhipis** <sup>11a</sup>  
vej dovskiyi Obenb. 39-338 Conn.

**Juniperella** Knull 47-69  
mirabilis Knull 47-69 Cal.

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

<sup>13</sup> Considered a valid species by Knull—47.

- Melanophila**<sup>14</sup>  
*intrusa* Horn 82-105 Ore.<sup>15</sup>  
*occidentalis* Obenb. 28-209 Ore.<sup>15</sup>  
*notata* L. & G.  
 a. *sloopi* Obenb. 44-318 Fla.  
 a. *elegans* Sloop<sup>14a</sup> Ariz.  
 a. *horniella* Obenb. 44-318 Ga.  
 a. *paupera* Obenb. 44-318 N.C.  
 a. *opaca* Lec.<sup>14a</sup> Ga. Fla.  
*conspuata* Lec.  
 a. *franciscana* Obenb. 44-318 Cal.  
 a. *occitanea* Obenb. 44-318 Cal.  
 a. *chamberlini* Obenb. 44-318 Cal.  
 a. *isolata* Obenb.<sup>14a</sup> Cal. Ariz.  
 a. *monochroa* Obenb.<sup>14a</sup> Cal.  
 PHAENOPSIS  
*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.<sup>14a</sup>  
 a. *pacifica* Obenb. 44-320 Cal.  
 a. *harrisi* Obenb. 44-320 Pa.  
 a. *decolorata* L. & G.<sup>14a</sup> Cal.  
*drummondi* Kby.  
 a. *plagifera* Obenb. 44-320 Cal.  
 a. *lanchesteri* Obenb. 44-320 Cal. Ore.  
 a. *nicolayi* Obenb. 44-320 N.H.  
 a. *quirksfieldi* Obenb. 44-320 Ore.  
 a. *monostictula* Obenb. 44-320 Cal.  
 a. *tristicula* Obenb.<sup>14a</sup>  
 s. *abictis* Ch. & Kn.<sup>14a</sup>  
*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 18-51<sup>15</sup>  
*oregonensis* Obenb. 42-127 Ore.  
*wallowae* Obenb. 42-128 Ore.  
*neofunerula* Obenb. 42-129 N.H.
- Chrysobothris**<sup>10</sup>  
*lixa* Horn 86-101 (not 86-108)<sup>16</sup>  
*cyanella* Horn Ore.<sup>15</sup>  
*calcarata* Chamb. Ore.<sup>15</sup>  
*quadrilineata* Lec. Cal.<sup>17</sup>  
*debilis* Lec. 59-236 Ohio Tex.-Cal.  
 a. *disjuncta* Lec. 59-236<sup>15</sup>  
 v. *lateralis* Waterh. 89-47 Tex. L. Cal.  
 [Mex.<sup>18</sup>  
*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. 38-12<sup>19</sup>  
*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.
- hubbardi* Fisher 42-174 Fla.  
*wickhami* Fisher 42-209 Ariz.  
*fiskei* Fisher 42-221 Tex.  
*ephedræ* Knull 42-390 Tex. N.M.  
*culbersoniana* Knull 43-34 Tex.  
*crandalli* Knull 43-34 Ariz.  
*paragrindeliæ* Knull 43-42 Cal.  
*verdevallis* Fisher 43-202 Ariz.  
*santarosæ* Knull 47-70 Cal.  
*distincta* Gory Cal.<sup>19a</sup>  
*chamberlini* Obenb. 10-93 Cal.  
*vandykeana* Obenb. 40-94 Cal.  
*pseudoacutipennis* Obenb. 10-94 Tex.  
 a. *acutipennis* | Horn 86-101
- Actenodes**<sup>19</sup>  
*simi* Fisher 40-176 R.I.-Tex.
- Agrius**  
*politus* (Say) 25-251 (not 25-241)<sup>16</sup>  
*derasofasciatus* B. & L. 35-613 N.Y.<sup>20</sup>  
 [Eur.  
*hualpaii* Knull 39-30 Ariz.  
*catalinæ* Knull 40-556 Ariz.  
*limpiæ* Knull 41-283 Tex.  
*cliftoni* Knull 41-382 Ohio.  
*patagoniensis* Knull 41-384 Ariz.  
*davisi* Knull 41-385 Tex.  
*peninsularis* VanD. 42-126 L. Cal.  
*diospyroides* Knull 42-390 Tenn.  
*frisoni* Fisher 43-201 Tex.  
*palmerleci* Knull 44-76 Ariz.  
*amelanchieri* Knull 41-80 Ariz.  
*cladrastis* Knull 45-80 Ky.  
*chalcogaster* VanD. 46-83 Cal.  
*gillespiensis* Knull 47-70 Tex.
- Pachyschelus**  
*uvaldei* Knull 41-387 Tex.
- Taphrocercus**  
*agriloides* Cr. 73-96 (not 73-76)<sup>16</sup>  
*schæfferi* N. & W. Ariz. L. Cal. Mex.<sup>21</sup>  
*huachucanus* Knull 41-90 Ariz. N.M.  
*mercedensis* White 42-182 Cal.
- Mastogenius**<sup>11a</sup>  
*knulli* Obenb. 39-79 Tex.

## ELMIDÆ

## Stenelmis

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

## Elmis

- thermarum* Darl. 28-5 Nev.<sup>22</sup>

## DASCILLIDÆ

## Eurypogon

- harrisi* (Westw.) 62-374<sup>23</sup> Que.-Va.-  
 [Mich.  
*lineato-punctatus* (Westw.) 62-375<sup>24</sup>

<sup>14</sup> 4th Suppl. reference in footnote 16 should be Obenberger—36.

<sup>14a</sup> Obenberger—44.

<sup>15</sup> Beer—40.

<sup>16</sup> W. J. Chamberlin in litt.

<sup>17</sup> Linsley & Ross—40.

<sup>18</sup> Van Dyke—42.

<sup>19</sup> Fisher—42; revision of genus.

<sup>19a</sup> Obenberger—40.

<sup>20</sup> Malkin—41.

<sup>21</sup> Van Dyke—45.

<sup>22</sup> Not Oregon, La Rivers in litt.

<sup>23</sup> Valid species, Brown—44.

<sup>24</sup> Brown—44.

**HELODIDÆ**

**Helodes**  
*aquatica* Blais. 40-190 Cal.

**DERMESTIDÆ**<sup>25</sup>

**Byturinae**<sup>25</sup>

**Byturus** Barber 42-14<sup>25</sup>  
 \* *griseocens* (Jayne) 82-345  
     *inflatus* Csy. 16-177<sup>25</sup>  
     *s. griseocens* s.str.  
     *s. dubius* Barber 42-15 Cal.  
     Ore.

**Byturus** Latr. 96-69<sup>25</sup>  
 \* *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. 68-912<sup>25</sup> [S.C.  
         *punctatus* Csy. 06-178<sup>25</sup>  
         *?brevicollis* Csy. 16-179<sup>25</sup>

**Dermestinae**<sup>25</sup>

**Dermestes**<sup>29</sup>  
*maculatus* Deg. 74-223 Cosmop.  
     *vulpinus* F. 81-64<sup>30 31</sup>  
     *marginatus* Thunb. 81-7<sup>30</sup>  
     *senex* Germ. 24-84<sup>30</sup>  
     *lateralis* Sturm 26-130<sup>30</sup>  
     *elongatus* Hope 34-55<sup>30 31</sup>  
     *lupinus* Er. 43-206<sup>30</sup>  
     *semistriatus* Boh. 51-583 (part)<sup>30</sup>  
     *rattulus* M. & R. 68-30<sup>30</sup>  
     *sudanicus* Gredl. 77-506<sup>30</sup>  
*ater* Deg. 74-233 Cosmop.  
     *cadaverinus* F. 75-55<sup>30 31</sup>  
     *piceus* Thunb. 81-8<sup>30 31</sup>  
     *felinus* F. 87-3<sup>30 31</sup>  
     *domesticus* Germ. 24-83<sup>30</sup>  
     *semistriatus* Boh. 51-583 (part)<sup>30</sup>  
     *hispidulus* Montr. 60-264<sup>30</sup>  
     *chinensis* Mots. 66-168<sup>30</sup>  
     *subcostatus* Murr. 67-22<sup>30 31</sup>  
     *noxius* M. & R. 68-55<sup>30</sup>  
     *fararqui* Godard 83-383<sup>30</sup>

**Attageninae**<sup>28</sup>

**Attagenus**

**Novelsis**

**Dearthrus**

**Trinodinae**<sup>28</sup>

**Apsectus**

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

**Thylodriinae**<sup>28</sup>

**Thylodrias** Mots. 39-75<sup>26</sup>  
     (*Thelydrias* Agassiz 46-162)<sup>27</sup>  
     (*Ignotus* Slosson 03-183)<sup>27</sup>  
     (*Hospitopterus* Pic 21-54)<sup>27</sup>  
*contractus* Mots. 39-76  
     *enigmaticus* Slosson 03-183<sup>27</sup>  
     *efflatouni* Pic 21-54<sup>27</sup>

**Anthreninae**<sup>28</sup>

**MEGATOMINI**<sup>28</sup>

**Perimegatoma**  
*vespulae* Milliron 39-570 Minn.

**Trogoderma**

**Acolpus**

**Thaumaglossa**

**Cryptorhopalum**

**ANTHRENINI**<sup>28</sup>

**Anthrenus**

**OSTOMIDÆ**

**Nemozoma**<sup>32</sup>  
*cupressi* VanD. 44-147 Cal.

**Pseudocotomus** VanD. 44-152  
*mclayi* VanD. 44-153 Cal.

**Corticotomus**<sup>32</sup>  
*apicalis* VanD. 44-151 Cal.

**NITIDULIDÆ**<sup>33 34</sup>

**Cateretinae**<sup>35</sup>

**Cateretes** Hbst. 93-11  
 \* (*Kateretes* Hbst. 93-11)<sup>33</sup>  
     (*Cercus* Latr. 96-68)<sup>33</sup>  
     (*Anisocera* Steph. 32-438)<sup>33</sup>  
     (*Anomæocera* Shuck. 40-25)<sup>33</sup>  
     PULION Gozis 86-12<sup>33</sup>  
*pennatus* (Murr.) 64-235 Que.-N.C.-B.C.  
     *crinitus* (Murr.) 64-235<sup>33</sup>  
*sericans* (Lec.) 59-69 Wash.-Cal. Ariz.  
     [Mex.]

CATERETES s.str.  
*scissus* Parsons 43-138 Mass. Alb.  
*bipustulatus* of authors<sup>33</sup>

**Boreades** Parsons 43-139  
 \* (*Cercometes* of authors)<sup>33</sup>  
*abdominalis* (Er.) 43-229 Can.-Ga.-Tex.

**Brachypterus** Kugel. 94-560  
     (*Virbius* Gozis 86-11)<sup>33</sup>

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

**Brachypterolus**

- pulicarius (L.) 58-357  
*mordelloides* Notm. 20-29<sup>33</sup>

**Amartus** Lec. 63-343

- (*Brachyleptus* Mots. 70-352, not  
 1845)<sup>33</sup>

**Anthonus****Carpophilinae**<sup>35</sup>**Conotelus****Brachyepelus** Er. 42-148

- (*Nitidulopsis* Walker 58-206)<sup>33</sup>

**Colopterus**

- truncatus (Rand.) 38-18  
*infirmus* (Er.) 43-245<sup>33</sup>  
*obliquus* (Lec.) 58-62<sup>33</sup>  
*limbatus* (Lec.) 58-62<sup>33</sup>  
 gerhardi Dodge 39-290 Ill.

**Carpophilus**<sup>36</sup>

- UROPHORUS Murr. 64-342<sup>33</sup>  
 humeralis (Fab.) 98-74 Cosmop.  
*picinus* Boh. 51-560<sup>33</sup>  
*foveicollis* Murr. 64-344<sup>33</sup>  
*rickseckeri* Fall 10-124<sup>33</sup>

## CARPOPHILUS s.str.

- pallipennis Say 23-194 Alb.-Fla. L. Cal.  
*pollens* Shp. 89-300<sup>33</sup> [Mex.  
*pallens* Leng 20-195<sup>33</sup>  
 nigrovittatus Parsons 43-167 Ariz. Mex.  
 sayi Parsons 43-171 Que.-Ga.-N.M.-  
 [Man.  
 obsoletus Er. 43-259 Cal.<sup>33</sup> Old World  
*cribellatus* Mots. 58-41<sup>33</sup>  
*strigipennis* Mots. 58-41<sup>33</sup>  
*funereus* Rtrtr. 84-259<sup>33</sup>  
 brevipennis (Blanch.) 42-64 Tex.-Ariz.  
*lacertosus* Murr. 64-354<sup>33</sup> [C.A.  
*purpuripennis* Murr. 64-351<sup>33</sup>  
*ignobilis* Fall 10-124<sup>33</sup>  
 dimidiatus (F.) 92-261 Que.-Fla.-Cal.  
*luridus* Murr. 64-377<sup>33</sup> [Cosm.  
*mutilatus* Er. 43-258<sup>33</sup>

**Nitidulinae**<sup>35</sup>**Haptoncus**<sup>37 38</sup>

- californicus Gillogly 46-22 Cal.

**Eपुरеа** Er. 43-267<sup>39</sup>

- (*Dadopora* Thoms. 59-68)<sup>33</sup>  
*(Eपुरеа) anella* Cr. 71-76)<sup>33</sup>  
*(Omisphora* Rtrtr. 75-56)<sup>33</sup>  
*(Micurula* Rtrtr. 84-209)<sup>33</sup>  
*(Micurula* Rtrtr. 74-58)<sup>33</sup>  
 liebecki Parsons 43-189 Ariz.  
 obtusicollis Rtrtr. 73-24 Que.-N.C.-Cal.-  
*ovata* Horn 79-298<sup>33</sup> [Alb.  
 flavomaculata Mäkl. 53-205<sup>40</sup> N.H.-  
*depressa* of authors<sup>33</sup> [N.M.-Alas.

*depressa* (Ill.) 98-386

- astiva* (Fab.) 75-77<sup>33</sup>  
*convexiuscula* Mannh. 43-255<sup>33</sup>  
 populi Dodge 39-288 Mich. Minn.

**Orthoepelus****Stelidota**<sup>39</sup>

- octomaculata (Say) 25-181  
*biseriata* Rtrtr. 74-15<sup>33</sup>

**Omosita**

- discoidea (Fab.) 75-78  
*cineta* Heer 41-396<sup>33</sup>

**Nitidula**

- flavomaculata Rossi 90-58<sup>41</sup> Me.-D.C.  
*flexuosa* Oliv. 90-7<sup>33</sup> [Cal. Eur.  
 carnaria (Schall.) 83-257<sup>33</sup> Mass.-Cal.  
 [Eur.

**Prometopia****Lobiopa** Er. 43-291

- (*Cerophorus* Cast. 40-10, part)<sup>33</sup>  
*(Soronia* Rtrtr. 73-46, part)<sup>33</sup>  
 insularis Cast. 40-10  
*contaminata* Er. 43-296<sup>33</sup>  
*decumana* Er. 43-295<sup>33</sup>  
*dimidiata* Er. 43-295<sup>33</sup>  
*grandis* Er. 43-294<sup>33</sup>

**Soronia****Phenolia****Amphotis****Thalyera****Perthalyera****Quadrifrons****Pocadius****Camptodes** Er. 43-321<sup>39</sup>

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

**Amphicrossus** Er. 43-346<sup>39 42</sup>

- (*Lobostoma* Fairm. 92-90)<sup>33</sup>  
*(Rhacostoma* Berg 98-18)<sup>33</sup>

**Cychramus** Kugel. 94-543

- (*Campta* Steph. 30-30)<sup>33</sup>

**Pallodes**

- pallidus (Beauv.) 05-157  
*silaceus* Er. 43-350<sup>33</sup>

**Cyllodes** Er. 43-342

- (*Strongylus* Hbst. 92-179, not  
*(Strongylus* Parsons 43-247) [Müll.)<sup>33</sup>  
*(Tolroxis* Kugel. 94-355)<sup>33</sup>  
*(Pseudocamptodes* Group. 96-76)<sup>33</sup>

**Oxyenemus**

<sup>33</sup> Parsons—43; revision of family.

<sup>35</sup> Key to genera, Parsons—43.

<sup>36</sup> Key to subgenera, Parsons—43.

<sup>37</sup> Transferred to *Carpophilinae* by Gillogly—47.

<sup>38</sup> Returned to *Nitidulinae* by Parsons in litt.

<sup>39</sup> Key to species, Parsons—43.

<sup>40</sup> Distinct species, Dodge—39 and Parsons—43.

<sup>41</sup> An introduced species, Dodge—39 and  
 Parsons—43.

<sup>42</sup> Key to species, Parsons—39.



## Meligethina

- Meligethes** Steph. 30–30<sup>39</sup>  
 \* 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.]  
*brassicæ* Rtrtr. 75–16 (not Scop.)<sup>33</sup>  
*moerens* Lec. 57–37<sup>33</sup>  
*rufimanus* Lec. 57–37<sup>33</sup>  
*californicus* Rtrtr. 71–33<sup>33</sup>  
*mutatus* Harold 68–827 N.Y.–Cal.  
*ruficornis* Lec. 59–6 (not Heer)<sup>33</sup>

Cryptarchinae<sup>35</sup>

## Pityophagus

## Cryptarcha

- Glischrochilus** Rtrtr. 73–162<sup>39</sup>  
 \* *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.–  
*4-maculosa* Melsh. 44–107<sup>33</sup> [B.C.]  
*geminatus* Melsh. 44–108<sup>33</sup>  
*siepmanni* Brown 32–259 Que.–N.Y.–B.C.  
*quadrisignatus* (Say) 35–169  
*s.quadrisignatus* s.str. N.H.–Fla.–Utah  
*similis* Melsh. 44–108<sup>33</sup>  
*bipustulatus* Melsh. 44–108<sup>33</sup>  
*bipunctatus* Melsh. 44–108<sup>33</sup>  
*sexpustulatus* Rtrtr. 73–161<sup>33</sup>  
*s.canadensis* Brown 32–259 Que.–S.C.–  
 [N.M.–B.C.]  
*vittatus* (Say) 35–170 Que.–N.C.–Cal.–  
*dejeani* (Klby.) 37–107<sup>33</sup> [Alas.]  
*sepulcralis* Rand. 38–19<sup>33</sup>  
*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<sup>43</sup>

## DERODONTIDÆ

## Laricobius

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

- rubidus* Lec. 61–198<sup>44</sup> Que.–D.C.–Mich.  
*ericksonii* of authors<sup>44</sup>  
*nigrinus* K.Fend. 45–152 Ore. B.C.

## MYCETOPHAGIDÆ

## Mycetophagus

- pluriguttatus* Lec. 56–13  
*s.franciscanus* Vand. 39–17 Cal.

Berginus Er. 48–105<sup>45</sup>

- californicus* Pierce 39–53 Cal.

## COCCINELLIDÆ

Hyperaspis Redt. 43–08<sup>46</sup>

- \* I  
*levrati* (Muls.) 50–613 Wyo.–Tex.–Ariz.  
*metator* (Csy.) 08–413<sup>46</sup> [Mex.]  
*revocans* Csy. 08–410  
*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* Dobz. 41–10 Ida.  
 III  
*pratensis* Lec. 80–188  
*s.pratensis* s.str. N.J.–N.C.–Iowa  
*triplicans* Csy. 24–163<sup>46</sup>  
*microsticta* Csy. 24–163<sup>46</sup>  
*s.medialis* Csy. 99–123<sup>46</sup> Tex. Ariz.  
*s.æmulator* Csy. 08–413<sup>46</sup> ?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. 99–122<sup>46</sup>  
*pinguis* Csy. 99–122<sup>46</sup>  
*s.montanica* Csy. 99–121<sup>46</sup> S.D.–Colo.–  
 [Cal.–B.C.]  
*s.flammula* Nunen. 11–72<sup>46</sup> Alb.–Colo.–  
 [Mont.]  
*s.nigrocauda* Dobz. 41–17 Colo.–N.M.–  
 [Cal.]  
*s.omissa* Csy. 99–122<sup>46</sup> Ut.–N.M.–  
 [Cal.]  
*s.wellmani* Nunen. 11–72<sup>46</sup> Ut.–Wash.–  
 [Cal.]  
*s.idæ* Nunen. 12–450<sup>46</sup> Cal.  
*excelsa* Fall 01–232 Cal.  
*tædata* Lec. 80–187 Fla.  
*lugubris* (Rand.) 38–52 Mass.–Colo.–Tex.  
*jucunda* Lec. 52–134<sup>46</sup>  
*lecontei* Cr. 74–233<sup>46</sup>  
*venustula* Muls. 50–671<sup>46</sup>  
*separata* Csy. 24–165<sup>46</sup>

<sup>45</sup> Key to species, Pierce—39.<sup>46</sup> Dobzhansky—41; revision of genus.

- V
- proba (Say) 26-303  
s. proba s.str. Mass.-Fla.-Ariz.-Minn.  
    *trivifer* Csy. 99-123<sup>46</sup>  
s. weisei Schffr. 08-126<sup>46</sup> Tex.  
globula Csy. 99-124 Tex. Mex.  
    VI<sup>47</sup>
- connectens (Thunb.) 08-157 Tex. Ariz.  
    *lengi* Schffr. 05-144<sup>46</sup> [C.A.  
rotunda Csy. 99-123 Tex. Ariz.  
    *rotundata* Korsch. 31-195<sup>46</sup>  
    VII<sup>47</sup>
- binotata (Say) 26-302 Que.-Fla.-Tex.-  
    *normata* (Say) 26-302<sup>46</sup> Neb. Cal.  
    *affinis* (Rand.) 38-50<sup>46</sup>  
    *leucopsis* Melsh. 47-179<sup>46</sup>  
    *conviva* Csy. 24-163<sup>46</sup>  
    *insolens* Csy. 24-164<sup>46</sup>
- signata (Oliv.) 08-1047 N.Y.-Fla.-Tex.  
pinorum Csy. 24-162 Del.-Fla.  
    *pinedita* Muls. 50-684<sup>46</sup>
- hæmatosticta Fall 07-222 N.M. Ariz.  
lewisii Cr. 73-380 N.Y.-N.C.-Ky.  
    *maneei* Csy. 24-163<sup>46</sup>
- 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. 99-124<sup>46</sup> 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. 50-687<sup>46</sup> [Tex.-Ont.  
gemina Lec. 80-188 Va. N.C.  
uniformis Csy. 24-162 N.C.  
    VIII<sup>47</sup>
- postica Lec. 80-188 Ariz.-Cal.-B.C.  
elliptica Csy. 99-126 Mont. Cal.-B.C.  
    *angustula* Csy. 99-127<sup>46</sup>
- nunenmacheri Csy. 08-417 Ida. Cal.-  
    [Wash.
- oculaticauda Csy. 99-127 Nev. Cal. Ore.  
effeta Csy. 99-127 Cal. Ore.  
subdepressa Csy. 99-127 Cal.  
    IX<sup>47</sup>
- tæniata Lec. 52-134  
    s. tæniata s.str. Cal. Ut.  
    s. nevadica Csy. 99-125<sup>46</sup> Ut.-Ariz.-  
    [Cal.-Ore.  
    s. perpallida Dobz. 41-44 Cal.  
    s. pallidula Dobz. 41-45 Cal.  
    s. significans Csy. 08-416<sup>46</sup> Ut. Ariz.  
    [Cal.  
v. concurrens Csy. 08-416<sup>46</sup> Utah  
v. pallescens Dobz. 41-46 Ariz.  
s. rufescens Dobz. 41-47 Tex. N.M. Colo.  
s. cruenta Lec. 80-187<sup>46</sup> Tex.  
s. cruentoides Dobz. 41-18 Fla.  
s. binaria Csy. 24-165<sup>46</sup> N.C. Fla.  
osculans Lec. 80-187 Cal.  
pleuralis Csy. 99-125 Tex.-Cal.-Utah  
v. aterrima Csy. 08-416<sup>46</sup> Tex.-Cal.-
- biornata Nunen. 34-18 [Utah. Mex.  
    s. biornata s.str. Cal.  
    s. arizonica Dobz. 41-53 Ariz.  
    X<sup>47</sup>
- fimbriolata Melsh. 47-180  
s. fimbriolata s.str. N.Y.-Va.-Cal.  
    *rufomarginata* Muls. 50-661<sup>46</sup>  
    *limbalis* Csy. 99-126  
s. atlantica Dobz. 41-55 Va. Fla. Miss.  
s. serena Csy. 08-417<sup>46</sup> Mass.-N.J.-  
    [Mich.  
    s. inflexa Csy. 99-126<sup>46</sup> Man.-N.M.-  
    [Mont.
- cincta Lec. 58-89 Ut. Ariz. Cal.  
    *nupta* Csy. 99-126<sup>46</sup>
- protensa Csy. 08-417 Ariz.  
marginata Gaines 33-263 Tex.  
dissoluta Cr. 73-379  
    s. dissoluta s.str. Nev. Ariz. Cal.  
    s. coloradana Csy. 08-417<sup>46</sup> Minn.-Ore.-  
    [Tex.
- sanctæ-ritæ Dobz. 41-60 Ariz.  
psychæ Csy. 99-125 Cal.  
    XI<sup>47</sup>
- disconotata Muls. 50-653  
    s. disconotata s.str. Mich. Ill. Minn.  
    s. troglodytes Muls. 53-219<sup>46</sup> N.B.-  
    *discreta* Lec. 80-187<sup>46</sup> Va.-Iowa  
    s. canadensis Dobz. 41-63 Alb.  
trifurcata Schffr. 05-143 Tex.  
    XII<sup>47</sup>
- undulata (Say) 24-92 Can.-Va.-Tex.-  
    *maculifera* Melsh. 47-179<sup>46</sup> [Minn.  
    *elegans* Muls. 50-658<sup>46</sup>
- 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. 99-121<sup>46</sup> Ariz. Nev.  
    [Cal.  
    s. scotti Dobz. 41-70 Cal.  
    s. fidelis Csy. 08-418 Cal.  
triangulum Csy. 99-123 Tex. Ariz. Cal.  
spiculifera Fall 01-232 Cal.  
simulatrix Dobz. 41-72 Ida. Mont. Wash.  
    XIII<sup>47</sup>
- annexa Lec. 52-133 Cal. Ida.  
quadrivittata Lec. 52-133  
    s. quadrivittata s.str. All.-N.M.-Ariz.-  
    Ida.  
    s. tetraneura Csy. 08-420<sup>46</sup> 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.  
    XIV<sup>47</sup>
- mærens (Lec.) 50-238 Mich. Wyo. Mont.  
    *consimilis* Lec. 52-134<sup>46</sup>  
simulans Csy. 99-128 Ariz.  
    XV<sup>47</sup>
- bolteri Lec. 80-186 Ill. Kan.  
jovialis Fall 25-311 Cal.  
californica Dobz. 41-81 Cal.  
esclavium Dobz. 41-82 Miss.

<sup>46</sup> Dobzhansky—41; revision of genus.<sup>47</sup> These groups are misnumbered in Dobzhansky—41.

- nubilata Csy. 24-166 N.C. Ga.  
*asphallina* Csy. 24-166<sup>46</sup>  
 XVI<sup>47</sup>  
 ?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.
- Hyperaspidium**  
 falli (Nunen.) 12-450<sup>48</sup>  
 ploribunda (Nunen.) 11-74<sup>48</sup>  
 wolcottii (Nunen.) 11-73<sup>48</sup>  
 juniperus Nunen. 44-145 Cal.  
 rossi Nunen. 44-145 Ore.  
 shauli Nunen. 44-145 Tex.
- Brachyacantha**  
 carolina (Csy.) 24-164<sup>48</sup>
- Scymnus**  
 floridana (Muls.) 50-1040<sup>48</sup>  
 sexualis (Csy.) 24-167<sup>48</sup>  
 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.)<sup>49</sup>
- 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.)<sup>50</sup> 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.) 99-76<sup>50</sup> Tex.-Cal. Mex.  
 s.fuscilabris Muls. 66-22<sup>50</sup> D.C. Fla.  
*floridana* (Leng) 03-38<sup>50</sup> La.
- Hippodamia** Dej. 36-456<sup>51</sup>  
 \*  
 I  
 13-punctata (L.) 58-366 (not N.Amer.)<sup>51</sup>  
 s.tibialis (Say) 24-94<sup>51</sup> 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.) 37-229<sup>51</sup> [Alas.  
 apicalis Csy. 99-81  
 s.apicalis s.str. Colo.-Cal.-B.C.
- s.lengi Johnson 10-55<sup>51</sup> Cal.  
*nigromaculata* Nunen. 34-20<sup>51</sup>  
 lunatomaculata Mots. 45-382  
 s.lunatomaculata s.str. Cal.  
*parenthesis* Csy. 99-81 (part)<sup>51</sup>  
*lunatomarginata* Korsch. 32-342<sup>51</sup>  
 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. 52-131<sup>51</sup>  
*leporina* Muls. 56-344<sup>51</sup>  
 v.uteana Csy. 08-397<sup>51</sup> Ut.-Cal.  
*subsimilis* Csy. 99-79<sup>51</sup>  
*vernix* Csy. 99-79<sup>51</sup>  
*quadraria* Csy. 24-156<sup>51</sup>  
 s.ambigua Lec. 52-131<sup>51</sup> Cal.-Wash.  
*obliqua* Csy. 99-79<sup>51</sup>  
 s.punctulata Lec. 52-131<sup>51</sup> Cal.-Wash.  
 glacialis (Fab.) 75-80  
 s.glacialis s.str. N.H.-S.C.-Colo.  
*?pseudoglacialis* Johnson 10-23<sup>51</sup>  
*?hoppingi* Nunen. 34-21<sup>51</sup>  
 s.lecontei Muls. 50-1010<sup>51</sup> Colo.-  
 [Ariz.-Ida.  
 s.extensa Muls. 50-17<sup>51</sup> Cal.  
 s.mackenziei Chpn. 46-19 Cal.  
 IV  
 quindecim-maculata Muls. 50-20 Wis.-  
 [Ill.-Colo.  
*quinquedecimmaculata* Korsch. 32-  
 mæsta Lec. 54-19 [343<sup>51</sup>  
 s.mæsta s.str. Cal.-Wash.  
 s.bowditchi Johnson 10-45<sup>51</sup> Colo.-B.C.  
 s.politissima Csy. 99-80<sup>51</sup> 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. 99-78<sup>51</sup>  
*liliputana* Csy. 08-397<sup>51</sup>  
 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. 99-80<sup>51</sup>  
 s.crotchii Csy. 99-80<sup>51</sup> Wyo.-N.M.-Cal.  
*fontinalis* Csy. 24-156<sup>51</sup>  
 s.disjuncta Timb. 19-169<sup>51</sup> N.D.-  
 [Colo.-Cal.-Wash.  
 s.spuria Lec. 61-358<sup>51</sup> Ore.-B.C.  
*complex* Csy. 99-80<sup>51</sup>  
 s.straminea Chpn. 46-29 Cal.  
 \* \* \*  
 apicalis  
 s.tricolor Nunen. 46-72 Cal. Ore  
 mæsta  
 v.bowditchi Johnson  
*bowditchi* Malkin 43-196
- Cycloneda**  
 polita Csy.  
 s.flava Timb. 43-24 Cal.

<sup>48</sup> Transferred from Hyperaspis by Dobzhansky —41.

<sup>49</sup> Not established in North America, Flanders in litt.

<sup>50</sup> Timberlake—43.

<sup>51</sup> Chapin—46; revision of genus.

- Cleis** Muls.<sup>52</sup>  
*picta* Rand. 38-51  
*blanchardi* Johnson 10-72<sup>53</sup>  
*v. impictipennis* Weise 95-125<sup>53</sup>
- Anisocalvia**  
*duodecim-maculata* (Geb.) 32-76  
*duodecinguttata* Malkin 43-197
- Anatis**  
*rathvoni* Lec. 52-132  
*rhatroni* Malkin 13-198
- TENEBRIONIDÆ**
- Metoponium**  
*abnorme* Lec.  
*s. laticolle* Csy. 07-291<sup>54</sup> Ariz. L. Cal.<sup>54</sup>  
*transversum* Blais. 43-174 L. Cal.  
*erosum* Blais. 43-175 L. Cal.
- Telaponium**  
*pingue* Blais. 43-179 L. Cal.
- Trimytis**  
*PIMALIUS* Csy.  
*ceralboensis* Blais. 43-196 L. Cal.
- Metopoloba**  
*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.
- Edrotus** Lec. 51 140<sup>55</sup>  
 \* (*Pimelia* Say 24-251)<sup>55</sup>  
*ODROTÈS* LaRiv. 47-320  
*arens* LaRiv. 47-320 Ariz.  
*EDROTÈS* s.str.  
*ventricosus* Lec. 51-141 Ida.-Ariz. Cal.  
*nitidus* Csy. 90-175<sup>55</sup> [Mex.  
*orbis* Csy. 07-451<sup>55</sup>  
*angusticollis* Csy. 07-152<sup>55</sup>  
*longipennis* Csy. 07-452<sup>55</sup>  
*mexicanus* Blais. 23-241<sup>55</sup>  
*asperatus* Blais. 23-241<sup>55</sup>  
*laticollis* Csy. 24-300<sup>55</sup>  
*longicornis* Csy. 24-300<sup>55</sup>  
*variipilis* Csy. 24-301<sup>55</sup>  
*rotundus* (Say) 24-251 Colo.-Tex.-Ariz.  
*globosus* Csy. 90-175<sup>55</sup>  
*inflatus* Csy. 07-451<sup>55</sup>  
*puncticeps* Csy. 07-454<sup>55</sup>  
*intermixtus* Csy. 07-455<sup>55</sup>  
*oblongulus* Csy. 07-455<sup>55</sup>  
*lineatus* Csy. 07-455<sup>55</sup>
- subequalis* Csy. 07-456<sup>55</sup>  
*angustulus* Csy. 07-456<sup>55</sup>  
*desertus* Blais. 43-212<sup>55</sup>
- Araeoschizus**  
*hmbatus* Blais. 43-211 L. Cal.  
*antennatus* Blais. 43-215 L. Cal.  
*airneti* Tanner 45-125 Utah Ida.
- Centrioptera**  
*(Oochila* Lec. 62-220, not 66-220)<sup>56</sup>  
*miehlbacheri* Blais. 43-227 L. Cal.
- Cryptoglossa** Sol. 36-680<sup>57</sup>  
 \* (*Asbolus* Lec. 51-129)<sup>57</sup>  
*verrucosa* Lec. 51-129 Ariz. Nev. Cal.  
*s. carinulatus* Blais. 45-25 Cal.  
*levis* Lec. 51-130 Ariz. Cal.  
*s. subsimilis* Csy. 24-308 Ariz. Cal.  
*granulifera* Champ. 92-508 Cal. Tex.  
 [L. Cal. Mex.  
*angularis* Horn 91-414 L. Cal.
- Stenomorphia** Sol. 36-487  
*(Euschides* Lec. 51-127)<sup>58</sup>  
*tumidicollis* Blais. 43-226 L. Cal.  
*convexa* (Lec.) 59-14<sup>59</sup> Kan.-L. Cal.  
 [Mex.
- Argoporis**  
*apicalis* Blais. 43-234 L. Cal.
- Eleodes**  
*rossi* Blais. 43-241 L. Cal.  
*marthæ* Blais. 43-243 L. Cal.  
*mexicana* Blais. 43-246 L. Cal.  
*simondsi* Blais. 43-247 L. Cal.  
*striatipennis* Blais. 42-134 Nev.  
 MELANEEODES Blais. 09-33  
*hali* Blais. 41-37 Ariz.  
 BLAPYLIS Horn 70-301  
*oregona* Blais. 41-157 Ore.  
 \* LITHELEODES Blais. 09-34<sup>60</sup>  
*extricata* Say 23-261 Ariz. Tex.-Can.  
*s. convexicollis* Blais. 09-123<sup>60</sup> Wyo.  
 [Mont.  
*s. arizonensis* Blais. 09-116<sup>60</sup> Ariz.  
*s. utahensis* Blais. 21-131<sup>60</sup> Utah  
*s. frigida* LaRiv. 43-54 Nev.  
*s. cognata* Hald. 52-376<sup>60</sup> Ariz. Utah  
*arcuata* Csy. 84-47 Ariz.  
*granulata* Lec. 57-50 Ore. Cal.  
*s. obtusa* Lec. 61-352<sup>60</sup> Cal.  
*s. aspera* Lec. 66-115<sup>60</sup> Colo.  
*?subaspera* Sol. 48-246<sup>60</sup>  
*vandykei* Blais. 09-136 Cal.  
*s. modificata* Blais. 21-131<sup>60</sup> B. C.  
*s. parvula* Blais. 09-137<sup>60</sup> Ore. Ida.  
*s. similis* Blais. 42-142<sup>60</sup> Ore.  
*letcheri* Blais. 09-133 Nev. Ida.  
*corvina* Blais. 21-224 Cal.  
*papillosa* Blais. 17-226 Cal.  
*tuberculata* Blais. 09-131<sup>60</sup>
- Troglocerus** Lec. 79 2<sup>61</sup>  
 \* *costatus* Lec. 79-3  
*s. costatus* s.str. Ida.-Ariz. Cal.  
*s. nevadus* LaRiv. 42-137<sup>61</sup> Nev. Cal.

<sup>52</sup> Nunenmacher—46 uses Mulsantina Weise, in error.

<sup>53</sup> Nunenmacher—46.

<sup>54</sup> Blaisdell—43.

<sup>55</sup> La Rivers—47; revision of genus.

<sup>56</sup> Parsons in litt.

<sup>57</sup> Blaisdell—45; revision of genus.

<sup>58</sup> Blackwelder—45.

<sup>59</sup> Transferred from Euschides by Gebien—37.

<sup>60</sup> Blaisdell—42; revision of subgenus.

- s.vandykei LaRiv. 46-41<sup>61</sup> Cal.  
s.tuberculatus Blais. 09-479<sup>61</sup> Cal.
- Branchus** Lec. 62-223 (not 63-222)<sup>56</sup>  
floridanus Lec. 62-224 (not 66-111)<sup>56</sup>
- Eusattus**  
(*Conipinus* Lec. 62-223, not 63-  
[223]<sup>56</sup>)  
sculptus Champ. 92-510 Mex. L.Cal.<sup>62</sup>
- Coniontides**  
keiferi Blais. 43-189 L.Cal.
- Coniontis**  
lariversi Blais. 41-131 Nev.
- Coniontellus**  
inflatus Csy. 90-389 Nev.  
*hystrix* Csy. 08-142<sup>63</sup>  
*longipennis* Csy. 08-143<sup>63</sup>  
*ampliatius* Csy. 08-144<sup>63</sup>
- Coelus**  
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)<sup>56</sup>
- Echocerus**  
breviceps Blais. 43-266 L.Cal.
- Aphanotus** Lec. 62-233 (not 66-233)<sup>56</sup>
- Cynæus** Lec. 62-233 (not 66-233)<sup>56</sup>  
angustus Lec. 51-149 Tex. Cal. Wash.<sup>64</sup>
- Tribolium**  
destructor Uytt. 33-xii<sup>65</sup> Cal.<sup>66</sup> Eur.
- Palorus** Muls. 54-250<sup>66a</sup>  
\* PALORUS s.str.  
ratzeburgi (Wissm.) 48-77  
CIRCOMUS Fleisch. 00-236<sup>66a</sup>  
subdepressus (Woll.) 64-499  
*melinus* of authors (not Hbst.)<sup>66a</sup>  
*depressus* of authors (not Fab.)<sup>66a</sup>
- Tharsus** Lec. 62-233 (not 66-233)<sup>56</sup>  
seditiosus Lec. 62-233 (not 66-122)<sup>56</sup>
- Nylopinus** Lec. 62-230 (not 66-230)<sup>56</sup>
- Prateus** Lec. 62-238 (not 66-238)<sup>56</sup>  
fuscus Lec. 62-238 (not 66-131)<sup>56</sup>
- Amphidora**  
subdeplanata Blais. 43-252 L.Cal.
- Helops**  
sparsus Blais. 43-274 L.Cal.
- Lariversius** Blais. 47-59  
tibialis Blais. 47-61 Nev.

## SERROPALPIDÆ

- Prothalpia** Lec. 62-251 (not 62-252)<sup>56</sup>
- Scotochroa** Lec. 74-275<sup>67</sup>  
\* atra Lec. 74-274 N.H. Mich.  
buprestoides (Kby.) 37-240<sup>68</sup> Nfld.-N.Y.  
basalis Lec. 74-275 Nfld. Mich. Colo.-  
[B.C.]
- Scotochroides** Mank 39-183  
antematus Mank 39-183 N.H.-Pa.
- Serropalpus** Hellen. 86-311<sup>67</sup>  
\* substriatus Hald. 48-98 Me.-Minn. Cal.  
[Alas.]  
obsoletus Hald. 48-98 Mich. Ore. B.C.  
(barbatus Schall. not N.Amer.)<sup>67</sup>  
coxalis Mank 39-239 Me.-Minn. Alas.
- Neoscraptia** K.Fend. 46-67  
testacea K.Fend. 46-67 Ore.
- Anelpistus** Horn 70-88<sup>69</sup>  
\* americanus Horn 70-88 N.H.  
canadensis Mank 42-190 B.C.
- Scotodes** Esch. Not N.Amer.)<sup>70</sup>

## PTINIDÆ

- Mezinum**  
affine Boield. 56-674 Can.  
*americanum* of Brown 40-117<sup>71</sup>
- Epaulæus** M. & R. 68-198  
(*Epaulæus* Pic 12-12)<sup>72</sup>  
(*Tipnus* Thoms. 63-141, not  
DuVal,<sup>72</sup> not Boield.)<sup>71</sup>  
unicolor P. & M. 82-67 N.S. N.B.  
*crenatus* Fab. 92-240<sup>71</sup> 72
- Eurostus** M. & R. 68-49  
hilleri Rtrtr. 77-378 N.B.-Ont. B.C. Eur.  
*alienus* Brown 40-119<sup>71</sup>
- Pseudoeurostus** Heyden 06-424  
(*Eurostus* M. & R. 68-185)<sup>73</sup>  
(not Dallas, 1851; Duméril, 1853)
- Ptinus**  
ocellus Brown 29-109  
*pilosus* of authors<sup>72</sup>  
*tectus* of authors<sup>72</sup>  
latro Fab. 75-63 Can. Cosmop.  
hirtellus Sturm 37-80  
*testaceus* Oliv. 90-9<sup>71</sup>  
(not Thunberg, 1784)  
*brunneus* Dufts. 25-65<sup>71</sup>  
*testaceus* Brown 44-10

## ANOBIIDÆ

- Utobium**  
marmoratum Fisher 39-26 Ore.

<sup>61</sup> La Rivers-42; key to species.

<sup>62</sup> Blaisdell-43.

<sup>63</sup> La Rivers-47.

<sup>64</sup> Hatch-40.

<sup>65</sup> Placed in *Aphanotus* by Blaisdell-42.

<sup>66</sup> Blaisdell-42.

<sup>66a</sup> Chapin in litt.

<sup>67</sup> Mank-39; revision of genus.

<sup>68</sup> Valid species, Mank-39.

<sup>69</sup> Valid genus, Mank-42.

<sup>70</sup> Mank-42.

<sup>71</sup> Brown-44.

<sup>72</sup> Brown-40.

<sup>73</sup> Heyden-06.



**Neogastrallus**

librinocens Fisher (not librinocens)

**Vrillella***(Vrillella* VanD. 46-85)

californica Fisher 39-175

montana VanD. 46-85

Cal.  
Cal.**Euvrillella** Fall*(Euvrillella* VanD. 46-85)

texana VanD. 46-85

Tex.

**Xyletinus**

grossus VanD. 46-86

sequoiae VanD. 46-87

Cal.  
Cal.**BOSTRICHIDÆ***BOSTRICHINI*

Xyloperthina

**Tetraprioecra**longicornis Oliv. 90-15<sup>74</sup>**Xylobiops** Csy.

basilaris Say

*basillare* Leng 20-244<sup>75</sup>

parilis Lesne

*perilis* Leng 20-244<sup>75</sup>**Xylomeira** Lesne 01-502<sup>76</sup>

torquata Fabr. 01-382

*floridana* Horn 85-155<sup>75</sup> W.I.<sup>76</sup> Fla.<sup>75</sup>*tridens* Fabr. 92-362<sup>75</sup>

\* \* \*

**Dendrobiella**aspera Lec. 58-73<sup>75</sup>

sericans Lec. 58-73

*pubescens* Csy. 98-67<sup>75</sup>

Tex.-L. Cal.

**Amphicerus**cornutus Pallas 72-8 (not 72-18)<sup>75</sup>hamatus Fabr. 87-33<sup>75</sup>

N.A. Cuba

*aspericollis* (Germ.) 24-465<sup>75</sup>*bicaudatus* (Say) 24-320<sup>75</sup>*serricollis* (Germ.) 24-464<sup>77</sup>**Lichenophanes** Lesne 99-457 (not 98-457)<sup>75</sup>

mitchleri Belkin 40-192

N.J.

*angustus* Csy. 98-72<sup>75</sup>

(not Steinhil, 1873)

californicus Horn 78-546 (not 78-456)<sup>75</sup>bicornis Weber 01-91<sup>77</sup> Conn.-Fla.-Ind.*bicornis* Say 23-319<sup>75</sup>**Bostrichus** Geoff. 62 301<sup>78</sup>

\* capucinus L. 58-355

N.J. Eur.

**Dinoderus** Steph. 30-352<sup>78</sup>

\* brevis Horn 78-550

La. Orient

minutus Fab. 75-51

Fla. Cosmop.

<sup>74</sup> Not a synonym of tridens, Belkin—40.<sup>75</sup> Belkin—40.<sup>76</sup> Blackwelder—45.<sup>77</sup> Transferred from Bostrichus by Belkin—40.<sup>78</sup> Revision of genus, Belkin—40.<sup>79</sup> Distinct species, Belkin—40.<sup>80</sup> Key to nigricornis-group, Robinson—41.<sup>81</sup> Lane—47.*POLYCIONINI***Polycyon** Lap. 36-30*(Exops* Curt. 39-204)<sup>75</sup>*(Alleochemis* Lec. 53-232)<sup>75</sup>punctatus Lec. 66-102<sup>79</sup>*pubescens* Lec. 66-102<sup>75</sup>**Heterarthron** Guér. 44-186*(Exopioides* Guér. 45-17)<sup>75</sup>(femorale Fabr. 92-361 not N.Am.)<sup>75</sup>(gonagrimum Fab. 98-156 not N.Am.)<sup>75</sup>excusum Lec. 58-74<sup>79</sup>

L. Cal. C.A.

**Psoa**

quadrisignata Horn 68-135

Cal.

cleroides Lesne 13-273

Cal.

**SCARABEIDÆ****Canthon**<sup>80 82</sup>

imitator Brown 46-104

s. imitator s. str.

Okla. Tex.

s. floridanus Brown 46-105

Fla.

granulifer Schm. 21-126

Tex.

bispinatus Robinson 41-128

R.I.-Fla.

(pilularius (L.) 58-349 not N.Am.)<sup>81</sup>

hudsonius (Forst.) 71-3

*larvæ* (Drury) 73-2<sup>81</sup>**Ateuchus** Weber 01-10<sup>83</sup>*(Charidium* Serv. 25-356)<sup>83</sup>**Copris**

cartwrighti Robinson 41-131

N.C. S.C.

**Phanaeus** M'Leay 19-124<sup>84</sup>

\* pluto Harold 63-164

Ariz. Mex.

quadridens (Say) 37-176

Ariz. Mex.

vindex M'Leay 19-133

s. vindex s. str.

e. U.S.

s. cyanellus Robinson 38-107

Fla.

s. rubervirens Robinson 48-301

Ariz.

difformis Lec. 48-86

s. 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. 19-31<sup>85</sup>*aciculatus* L. & M. 33-38<sup>85</sup>

subopacus Robinson 40-142

Ariz.

*lecontei* Schffr. 14-298

(not Harold, 1868)

**Aphodius**<sup>86</sup>

manitobensis Brown 28-302

Man. Pa.<sup>86</sup>

guttatus Esch. 23-97

Lab. Vt. Alas.<sup>86</sup><sup>82</sup> Discussion of generic synonymy, Lane—47.<sup>83</sup> Chapin—46.<sup>84</sup> Revision of genus, Robinson—48.<sup>85</sup> Chapin in litt.<sup>86</sup> Robinson—47.<sup>87</sup> Robinson—39.<sup>88</sup> Synoptic key to species, Saylor—40.

- bicolor Say 23-212  
*comanchi* Robinson 40-146 <sup>86</sup>  
 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 <sup>87</sup>  
 (not Horn, 1870)  
 lanei Saylor 40-103 Wash.  
 caseyi Saylor 40-104 Ore.  
 pullmani Saylor 40-104 Wash.  
 inermis Robinson 40-147 Utah  
 saylorea 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.  
 mcdonaldj Robinson 46-56 Pa.  
 PLATYDERIDES Schm. 16-99  
 (*Platyderus* Schm. 14-122, not [Steph.])  
 yavapai Robinson 46-52 Ariz.  
 excavatus Robinson 40-113 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. <sup>89</sup> Eur.  
*opacifrons* Horn 71-284 <sup>89</sup>  
*porcatus* Fab. 98-22 <sup>89</sup>
- Atenius**  
 spretulus (Hald.) 48-106  
*consors* Fall 30-104 <sup>90</sup>  
*falli* Hntn. 34-119 <sup>90</sup>  
 strigatus (Say) 23-212 <sup>91</sup>  
 saluator Fall 30-99 Fla. W.I.  
*darlingtoni* Hntn. 37-179 <sup>92</sup>  
 miamij Cart. 34-200  
*havanensis* Balth. 38-55 <sup>93</sup>  
 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.
- Psammodius** <sup>94</sup>  
 shermani Cart. 46-89 S.C. Ga.  
 malkini Cart. 46-90 Fla.
- Pleurophorus**  
 casus (Creutz.) Ore. N.Y. Wash. <sup>89</sup>
- Kolbeus** Bouc. 11-335  
 \* hornii (Rivers) 86-61 <sup>95</sup> Cal.  
 minor (Linell) 95-723 <sup>95</sup> Tex.
- Bolboceras**  
 angulus Robinson 47-170 Tex.
- Odontæus** Klug  
 (*Odontæus* Lins. & Mich. 43-79)
- Bolbocerosoma**  
 quadricornum Robinson 41-132 Tex.
- Eucanthus**  
 lazarus (Fab.)  
 v. alutaceus Cart. 44-30 Miss. Ala. Ga.
- Geotrupes**  
 (occidentalis Horn not N.Am.) <sup>96</sup>
- Plecoma** <sup>97</sup>  
 lucia Linsley 41-145 Cal.  
 nitida Linsley 41-147 Cal.  
 puncticollis Rivers 89-17 L. Cal. <sup>98</sup>  
 venturæ Linsley 45-110 Cal.
- Trox**  
 affinis Robinson 40-158 <sup>99</sup> N.Y.-Va.-Cal.  
 TROX s.str.  
 variolatus Melsh.  
*erinaceus* Lec. 54-212 <sup>1</sup>  
 s. monticola Robinson 40-158 Me.-Pa.-  
 foveicollis Harold 72-181 [Utah  
*insularis* Chev. 64-416 <sup>1</sup>  
 plicatus Robinson 40-153 Ariz.  
 contractus Robinson 40-153 Tex.  
 hamata Robinson 40-153 N.J.-Ga.  
 spinulosus Robinson 40-156 Mich.  
 dentibus Robinson 40-156 Ariz.  
 aculeatus Robinson 40-156 Ark. Mo.  
 sinii Robinson 40-157 N. J. Pa. Va.  
 OMORGUS Er. 48-932  
 integer Lec. 54-216 <sup>2</sup>  
*oligonus* Loomis 22-133 <sup>1</sup>  
*oligomis* Leng & M. 27-38 <sup>1</sup>  
 texanus Lec. 54-214 <sup>2</sup>  
 suturalis Lec. 54-214 <sup>2</sup>  
 umbonatus Lec. 54-214 <sup>2</sup>  
*platycyphus* Loomis 22-133 <sup>1</sup>  
 tessellatus Lec. 54-216 <sup>2</sup> Ariz.  
 nodosus Robinson 40-152 N.M.  
 nigrescens Robinson 41-134 L. Cal.  
 confluentus Robinson 41-134 Utah  
 fuliginosus Robinson 41-134 Tex.  
 tytus Robinson 41-228 Pa.
- Serica**  
 (*Series* Saylor 36-4) <sup>3</sup>  
 pruiniipennis Saylor 36-4  
*pruiniipennis* of 4th suppl.  
*pruinosa* Sayl. 35-2 <sup>3</sup>

<sup>89</sup> Hatch—46.

<sup>90</sup> Cartwright—43.

<sup>91</sup> Distinct species, Cartwright—43.

<sup>92</sup> Cartwright—45.

<sup>93</sup> Chapin—40.

<sup>94</sup> This spelling used instead of Psammobius by Cartwright—46.

<sup>95</sup> Transferred from Bolboceras by Chapin—46.

<sup>96</sup> Bradley—44.

<sup>97</sup> Key to species, Linsley—46.

<sup>98</sup> Linsley—41.

<sup>99</sup> Described as a subspecies of æqualis Say.

<sup>1</sup> Robinson—40

<sup>2</sup> Listed as valid species by Robinson—40.

<sup>3</sup> Saylor—40.

- alleni* Saylor 39-457 Cal.  
*mendota* Saylor 39-157 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.  
*annula* Dawson 47-228 Tex.  
*anthracina* Lec. 56-276 S. D.-N.M.-Cal.-  
*frontalis* Lec. 56-276<sup>4</sup> [B.C.]  
*robusta* Lec. 56-276<sup>4</sup>  
*valida* Harold 69-123<sup>4</sup>  
*crassata* Walk. 66-323<sup>4</sup>  
*satrapa* Dawson 47-231 Cal.  
*concinna* Dawson 47-232 Ariz.  
*subnisa* Dawson 47-233 Cal.  
*atalina* Dawson 47-234 Cal.
- Diplotaxis**  
*nigra* Cart. 39-361 Okla.  
*dahli* Cazier 40-251 Cal.  
*cribrulosa* Lec. 56-270 Tex.-Ariz.  
*popino* Csy. 85-179<sup>5</sup>  
*impressifrons* Cazier 40-127 Cal. Ore.  
*saylori* Cazier 40-128 Ariz.  
*aequalis* Cazier 40-129 Ariz.  
*fulgida* Cazier 40-130 Tex.  
*acononicus* Cazier 40-131 Ariz.  
*aulacochela* Cazier 40-131 Tex.  
*ungulatus* Cazier 40-132 Ariz.  
*persiste* 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
- Triodonys** Saylor 42 158  
<sup>\*</sup> *ecostata* (Horn) 87-284<sup>6</sup> Tex.
- Phyllophaga**<sup>7</sup>  
*fuscata* Horn 87-278  
*linsleyi* Saylor 36-4<sup>8</sup>  
*torta* Lec. 56-239 Tex. N.M. Mex.  
*dampfi* Arrow 37-148<sup>8</sup>  
*vetula* Horn 87-274 N.M. Ariz. Mex.  
*longipilosa* Bates 88-209<sup>8</sup>  
*lenis* Horn 87-287 Ariz. Cal. Mex.  
*anodentata* Bates 88-208<sup>8</sup>  
*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 39-155 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  
*davalus* Robinson 38-110<sup>9</sup>  
*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.<sup>10</sup> C.A.  
*gravidula* Moser 21-247  
*perita* Sandn. 37-14<sup>10</sup>  
*onchophora* Chpn. 32-184 Cuba, Ga.  
 PHYLLOPHAGA s.str.  
*temora* Saylor 43-135 Tex. Mex.  
 TOSTEGOPTERA Blanch.<sup>11</sup>  
*lanceolata* Say 23-242  
*arizona* Bloecker 36-55<sup>8</sup>  
*grisiana* Bloecker 36-56<sup>8</sup>  
*cazieri* Bloecker 36-57<sup>8</sup>  
 EUGASTRA Lec.<sup>11</sup>  
<sup>\*</sup> LISTROCHELUS Blanch.<sup>11 12</sup>  
*mirafloa* Saylor 40-72 L. Cal.  
*densicollis* (Lec.) 63-77 L. Cal.  
*carminator* (Horn) 94-398 L. Cal.  
*michelbacheri* Saylor 40-76 L. Cal.  
*pilosipes* Saylor 40-76 L. Cal.  
*puberulus* (Lec.) 63-78 (not DuVal)<sup>12</sup>  
*peninsularis* Saylor 40-77 L. Cal.  
*trochanter* Saylor 40-78 Ariz.  
*gracilis* (Horn) 85-123 (not Burm.)<sup>12</sup>  
*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.  
*mucoorea* (Lec.) 56-263 Kan. Tex.-Cal.  
*texanus* (Lec.) 56-263<sup>12</sup> [Mex.]  
*obtusus* (Lec.) 56-264<sup>12</sup>  
*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.

<sup>4</sup> Dawson—47.<sup>5</sup> Cazier—40.<sup>6</sup> Transferred from Phyllophaga by Saylor—42.<sup>7</sup> Boving—42, gives a regrouping of the N.A. species, breaking up Horn's groups; also key to known larvae.<sup>8</sup> Saylor—39.<sup>9</sup> Robinson—47.<sup>10</sup> Sanderson—42.<sup>11</sup> Treated as a subgenus by Saylor—42.<sup>12</sup> Saylor—40; revision of subgenus.

- fimbripes (Lec.) 56-264 Neb.-Tex.-Ariz.  
 falsa (Lec.) 56-264 Kan.-N.M.-Cal.  
*langeri* Chpn. 34-93<sup>12</sup>  
   *s.nogales* Saylor 40-99 Ariz.  
 kœhleriana 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)  
   CHLÆNOBIA Blanch.<sup>11</sup>  
   PHYTALUS Er.<sup>11 13</sup>  
 ægrotus Bates 88-182 Tex. C.A.<sup>10</sup>
- Polyphylla** Harris 42-30<sup>14 15</sup>  
 \* *cavifrons* Lec. 54-222 Ariz. Cal. Mex.  
 squamiventris Cazier 39-199 Tex.  
 hammondi Lec. 56-228 Ill.-Tex.-Ariz.  
   *squamicauda* Csy. 14-324<sup>15</sup>  
   *molesta* Csy. 14-324<sup>15</sup>  
   *verecunda* Csy. 14-325<sup>15</sup>  
   *oblita* Csy. 14-326<sup>15</sup>  
   *impigra* Csy. 14-326<sup>15</sup>  
   *subvittata* Lec. 56-229<sup>15</sup>  
   *bisinuata* Csy. 14-327<sup>15</sup>  
   *sejuncta* Csy. 14-328<sup>15</sup>  
   *proba* Csy. 14-329<sup>15</sup>  
   *diffusa* Csy. 14-329<sup>15</sup>  
   *pimalis* Csy. 14-330<sup>15</sup>  
   *oklahomensis* Hatch 26-145<sup>15</sup>  
 hirsuta VanD. 33-116 Ariz.  
 diffracta Csy. 89-17 N.M. Ariz.  
   *fuscata* Fall 08-161<sup>15</sup>  
   *adjuta* Csy. 14-331<sup>15</sup>  
 uteana Tanner 28-276 Utah  
 rufescenta Tanner 28-276 Utah  
 opposita Csy. 14-330 ?Ore.  
 barbata Cazier 38-161 Cal.  
 rugosipennis Csy. 14-336 Ariz. Cal.  
   *lavicauda* Csy. 14-338<sup>15</sup>  
 sobrina Csy. 14-339 Cal.  
 alleni Cazier 39-201 Ariz.  
 crinita Lec. 56-230 Cal.-Wash.  
   *nigra* Csy. 14-334<sup>15</sup>  
   *mystica* Csy. 14-334<sup>15</sup>  
   *incolumis* Csy. 14-335<sup>15</sup>  
   *relicta* Csy. 14-336<sup>15</sup>  
   *robustula* Csy. 14-336<sup>15</sup>  
   *ona* Bœcker 40-148<sup>15</sup>  
   *santarosæ* Bœcker 40-149<sup>15</sup>  
   *santacruzæ* Bœcker 40-149<sup>15</sup>  
   *martini* Bœcker 40-150<sup>15</sup>  
 arguta Csy. 14-339 Utah
- speciosa* Csy. 89-17 Colo. N.M.  
*acamana* Csy. 14-342<sup>15</sup>  
*latifrons* Csy. 14-340<sup>15</sup>  
 decemlineata (Say) 23-246 Kan.-Cal.-  
   *parilis* Csy. 14-345<sup>15</sup> [Wash.  
   *laticauda* Csy. 14-345<sup>15</sup>  
   *reducta* Csy. 14-346<sup>15</sup>  
   *pacifica* Csy. 95-607<sup>15</sup>  
   *squamotecta* Csy. 14-343<sup>15</sup>  
   *ruficollis* Csy. 14-346<sup>15</sup>  
   *castanea* Csy. 14-347<sup>15</sup>  
   *oregona* Csy. 14-348<sup>15</sup>  
   *perversa* Csy. 14-348<sup>15</sup>  
 modulata Csy. 14-333<sup>16</sup> Ore.  
   *comstockiana* Bœcker 40-150<sup>15</sup>  
 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<sup>17 18</sup>  
 \* *elongata* (Fab.) N.Eng.-Kan.-Can.  
   *elongatula* (Schönh.)<sup>17</sup>  
   *hexagona* (Germ.)<sup>17</sup>  
   *linearis* (Gyll.)<sup>17</sup>  
   *virescens* (Kby.)<sup>17</sup>  
 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* Barrett<sup>17</sup> Ariz.  
 fulgida Lec. Nev. Cal.-Wash.  
   *s.fulgida* s.str. Nev. Cal.  
   *s.crotchi* Horn<sup>17</sup> Nev. Cal.  
   *s.oregona* VanD.<sup>17</sup> Ore. B.C.  
   *s.mormona* Fall<sup>17</sup> Utah  
 vandykei Saylor Cal.  
 nana Fall Cal.  
 fuscata Lec. N.J.-Ohio  
 museula Fall Cal.  
 vaga Fall Nev. Cal.  
 pallens Lec. Cal.  
   *longiclava* Fall<sup>17</sup>  
 robusta Fall Cal. Ore.  
 clypeata Horn Cal.  
 truncata Lec. Utah. Cal.  
 picea Horn L.Cal.  
 pusilla Lec. Cal. L.Cal.  
 decolorata Fall Cal.

<sup>13</sup> Footnote \* in 4th Suppl. should read Saylor—39, not Sanderson—39.

<sup>14</sup> Key to Canadian species, Brown—40.

<sup>15</sup> Cazier—40; revision of genus.

<sup>16</sup> Originally described as a subspecies of *decemlineata* Say.

<sup>17</sup> Saylor—45; key and revision.

<sup>18</sup> Brown—40; key to eastern species.

- lateralis* Fall Nev. Cal. *mutata* G. & H. 69-1113<sup>22</sup>  
*valida* Lec. Cal. Ore. *lecontei* DallaT. 13-376<sup>22</sup>  
*vicina* Fall Nev. Cal. Ore. *ANOMALINI* 23  
     *s.columbiana* Hopp.<sup>17</sup> Ida. B.C.  
     *deserta* Hopp.<sup>17 19</sup>  
*sulcata* Lec. Colo. N.M. Ariz. Mont. **Pachystethus**  
     *s.arizonensis* Saylor Ariz. *floridana* Robinson 41-133 Fla.  
*albicollis* (Burm.) \* \* \* N.B.-Mich. **Rhombonalia**  
     *adseta* Robinson 41-132 Ariz.  
**Anomala** Sam. 19-191  
     (*Anomola* Rex 44-5)  
     (*Anamola* Rex 44-17)  
     \* \* \*  
**Cotalpa** Burm. 44 423<sup>24</sup>  
     \* CIOCOTALPA Saylor 40-191  
     *consoabrina* Horn  
     COTALPA s.str.  
     *subcibrata* Wickh.  
     *flavida* Horn  
     *lanigera* Linn.  
         *vernicata* Csy.<sup>24</sup>  
         *molaris* Csy.<sup>24</sup>  
         *tau* Wickh.<sup>24</sup>  
         *s.obesa* Csy.<sup>24</sup>  
**Paracotalpa** Ohaus 15-256<sup>25</sup>  
     \* (*Pocalta* Csy. 15-92)<sup>25</sup>  
     *deserta* Saylor 40-195 Cal.  
     *granicollis* Hald.  
         *pubicollis* Csy.<sup>25</sup>  
     *puncticollis* Lec.  
     *ursina* Horn  
         *lavicauda* Csy.<sup>25</sup>  
         *brevis* Csy.<sup>25</sup>  
     *s.piceola* Saylor 40-197 Cal.  
     *s.rotunda* Csy.<sup>25</sup>  
     *seriata* Csy.<sup>25</sup>  
     *s.rubripennis* Csy.<sup>25</sup>
- Dynastinae**
- CYCLOCEPHALINI* 26 28
- Ancognatha** Er. 47-97  
     \* *manca* (Lec.) 66-382 N.M. Ariz. Mex.  
         *aquata* Bates 88-297<sup>27</sup>  
         *perspicua* Csy. 15 126<sup>27</sup>  
         *zuniella* Csy. 15-127<sup>27</sup>  
         *durangoana* Csy. 15-125<sup>27</sup>  
         *lavigata* Bates 88-297<sup>27</sup>  
**Coscinocephalus** Prell 36-145<sup>26</sup>  
     \* (*Anoplocephalus* Schffr. 06-259)<sup>26</sup>  
     *cribrifrons* (Schffr.) 06-260 Ariz.
- Dyscinetus** Harold 69-123<sup>26</sup>  
     \* (*Chalepus* M'Leay 19-149)<sup>26</sup>
- lateralis* Fall Nev. Cal. *mutata* G. & H. 69-1113<sup>22</sup>  
*valida* Lec. Cal. Ore. *lecontei* DallaT. 13-376<sup>22</sup>  
*vicina* Fall Nev. Cal. Ore. *ANOMALINI* 23  
     *s.columbiana* Hopp.<sup>17</sup> Ida. B.C.  
     *deserta* Hopp.<sup>17 19</sup>  
*sulcata* Lec. Colo. N.M. Ariz. Mont. **Pachystethus**  
     *s.arizonensis* Saylor Ariz. *floridana* Robinson 41-133 Fla.  
*albicollis* (Burm.) \* \* \* N.B.-Mich. **Rhombonalia**  
     *adseta* Robinson 41-132 Ariz.  
**Anomala** Sam. 19-191  
     (*Anomola* Rex 44-5)  
     (*Anamola* Rex 44-17)  
     \* \* \*  
**Cotalpa** Burm. 44 423<sup>24</sup>  
     \* CIOCOTALPA Saylor 40-191  
     *consoabrina* Horn  
     COTALPA s.str.  
     *subcibrata* Wickh.  
     *flavida* Horn  
     *lanigera* Linn.  
         *vernicata* Csy.<sup>24</sup>  
         *molaris* Csy.<sup>24</sup>  
         *tau* Wickh.<sup>24</sup>  
         *s.obesa* Csy.<sup>24</sup>  
**Paracotalpa** Ohaus 15-256<sup>25</sup>  
     \* (*Pocalta* Csy. 15-92)<sup>25</sup>  
     *deserta* Saylor 40-195 Cal.  
     *granicollis* Hald.  
         *pubicollis* Csy.<sup>25</sup>  
     *puncticollis* Lec.  
     *ursina* Horn  
         *lavicauda* Csy.<sup>25</sup>  
         *brevis* Csy.<sup>25</sup>  
     *s.piceola* Saylor 40-197 Cal.  
     *s.rotunda* Csy.<sup>25</sup>  
     *seriata* Csy.<sup>25</sup>  
     *s.rubripennis* Csy.<sup>25</sup>
- Cocconycha** Horn 76-192<sup>20</sup>  
     *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 45-111 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. 56-285<sup>22</sup>  
         *oregona* Lec. 56-284<sup>22</sup>  
         *convexula* Lec. 56-285<sup>22</sup>  
         *irrorata* Lec. 57-40<sup>22</sup>

<sup>17</sup> Saylor—45; key and revision.

<sup>18</sup> Brown—46; key to eastern species.

<sup>19</sup> Listed under *vicina*, Saylor—39.

<sup>20</sup> Cazier & McClay—43; key and revision.

<sup>21</sup> Boyer—40; key and revision.

<sup>22</sup> Chapin—46.

<sup>23</sup> Key to larvae, Riteher—43.

<sup>24</sup> Saylor—40; revision.

<sup>25</sup> Saylor—40; revision and key.

<sup>26</sup> Saylor—45; revision and key to genera.

<sup>27</sup> 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.

<sup>28</sup> Key to Arkansas genera and species (males), Sanderson—40.



- (*Palechus* Csy. 15-174)<sup>26</sup>  
 morator (Fab.) 99-24 e.st.-Tex.  
*trachypygus* Burm. 47-79<sup>27</sup>  
*discedens* Csy. 15-171<sup>27</sup>  
*borealis* Csy. 15-171<sup>27</sup>  
 picipes (Burm.) 47-79 Kan.-Cal. Mex.  
*obsoletus* (Lec.) 54-222<sup>27</sup> [W.I.  
*geminatus* (DuVal) 56-127<sup>27</sup>  
*ebenus* Csy. 15-169<sup>27</sup>  
*subquadratus* Csy. 15-166<sup>27</sup>  
*gilianus* Saylor 45-380  
*gilanus* Csy. 15-168<sup>27</sup>  
*levissimus* Csy. 15-167<sup>27</sup>  
*puncticauda* Csy. 09-282<sup>27</sup>  
*punctipes* Bates 88-312<sup>27</sup>
- Cyclocephala** Latr. 29-552<sup>26</sup>  
 \* (*Spilosota* Csy. 15-112)<sup>26</sup>  
 (*Ochrosidia* Csy. 15-112)<sup>26</sup>  
 (*Dichromina* Csy. 15-112)<sup>26</sup>  
 knobekae (Brown) 34-23 Ark.  
 dimidiata Burm. 47-57 Ark.-S.A.  
*ocularis* (Csy.) 15-162<sup>27</sup>  
*elegans* Horn 71-337<sup>27</sup>  
 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. 15-133<sup>27</sup>  
*magister* Csy. 15-132<sup>27</sup>  
*inconspicua* Csy. 15-133<sup>27</sup>  
*nubeculina* Csy. 15-131<sup>27</sup>  
*lurida* Bland 63-354<sup>27</sup>  
 s.pilosicollis Saylor 36-2<sup>27</sup> Cal.  
 longula Lec. 63-79 Utah.-Ore.-L.Cal.  
*californica* Arrow 37-9<sup>27</sup>  
*abrupta* (Csy.) 15-152<sup>27</sup>  
*phasma* (Csy.) 15-156<sup>27</sup>  
*obesula* (Csy.) 15-156<sup>27</sup>  
*oblongula* (Csy.) 15-156<sup>27</sup>  
*rustica* (Csy.) 15-157<sup>27</sup>  
*reflexa* (Csy.) 15-153<sup>27</sup>  
*marcida* (Csy.) 15-155<sup>27</sup>  
*rugulifrons* Csy. 15-154<sup>27</sup>  
*prona* (Csy.) 15-157<sup>27</sup>  
*ambiens* (Csy.) 15-155<sup>27</sup>  
*nodulata* (Csy.) 15-154<sup>27</sup>  
 robusta Lec. 63-79 La. Ark. Tex.  
*nigricollis* Burm. 47-54<sup>27 28</sup>  
*subvittata* (Brown) 30-5<sup>27 28</sup>  
*nigrocollis* Saylor 45-384  
 pasadenae (Csy.) 15-148 Tex.-Cal. L.Cal.  
*arizonica* (Csy.) 15-149<sup>27</sup>  
*melina* (Csy.) 15-149<sup>27</sup>  
*pusilla* (Csy.) 15-150<sup>27</sup>  
*facilis* (Csy.) 15-150<sup>27</sup>  
*validiceps* (Csy.) 15-148<sup>27</sup>  
*ovatulata* (Csy.) 15-151<sup>27</sup>  
 borealis Arrow 37-172 e.U.S.-Ark. Neb.  
*villosa* Burm. 47-54<sup>27</sup>  
*parallela* (Csy.) 15-144<sup>27</sup>  
 immaculata (Oliv.) 89-29 e.U.S.-N.M.  
*frontalis* Sturm 43-116<sup>27</sup>  
*rufifrons* (Csy.) 15-145<sup>27</sup>  
*tenuiculis* (Csy.) 15-146<sup>27</sup>  
*pagana* (Csy.) 15-148<sup>27</sup>  
*protenta* (Csy.) 15-144<sup>27</sup>

**Aspidolea** Bates 88-296<sup>26</sup>

texana Höhne 12-84

?Tex.

\* \* \*

**Dynastinae****ORYCTINI**<sup>29</sup>

- Cheiroplatys** Hope 37-84<sup>29</sup>  
 \* (*Orizabus* Fairm. 78-260)<sup>29</sup>  
 (*Pseudaphonus* Csy. 15-210)<sup>29</sup>  
 (*Aztecilius* Csy. 15-228)<sup>29</sup>  
 elunalis (Lec.) 56-23 Tex.-Ariz. Mex  
*verticalis* Fall 05-272<sup>29</sup>  
*ligyrodes* (Horn) 85-125<sup>29</sup>  
*sallei* (Fairm.) 78-262<sup>29</sup>  
*marginatus* (Fairm.) 78-262<sup>29</sup>  
*cultripes* (Fairm.) 78-261<sup>29</sup>  
*frontalis* (Csy.) 15-226<sup>29</sup>  
*ponderose* (Csy.) 15-228<sup>29</sup>  
*parvitaris* (Csy.) 15-227<sup>29</sup>  
*snowi* (Horn) 85-124<sup>29</sup>  
 pyriformis (Lec.) 48-21 Colo. N.M.  
*ovulis* (Csy.) 15-212<sup>29</sup>  
*repens* (Csy.) 15-212<sup>29</sup>  
*debiliceps* (Csy.) 15-213<sup>29</sup>  
*lucidus* (Csy.) 15-213<sup>29</sup>  
*puncticollis* (Csy.) 15-335<sup>29</sup>  
 isodonoides (Fairm.) 78-263 Colo. Mex.  
 brevicollis (Prell) 14-204 L.Cal.Mex.
- Strategus** Hope 37-87<sup>29</sup>  
 \* (*Anastrategus* Csy. 15-231)<sup>29</sup>  
 (*Strategodes* Csy. 15-245)<sup>29</sup>  
 (*Strategopsis* Chpn. 32-302)<sup>29</sup>  
 (*Scatophilus* Chpn. 32-302)<sup>29</sup>  
 julianus Burm. 47-133 Miss.-S.A.  
*gaillardii* Csy. 15-244<sup>29</sup>  
*roosevelti* Csy. 15-241<sup>29</sup>  
*arizonicus* Schffr. 15-47<sup>29</sup>  
*tarsalis* Csy. 15-243<sup>29</sup>  
 mormon Burm. 47-130 Kan. Tex. Utah  
 splendens (Beauv.) 05-80 N.C.-Fla.  
*bosci* (Beauv.) 05-80<sup>29</sup>  
*carolinensis* (Csy.) 15-237<sup>29</sup>  
*cognatus* (Csy.) 15-236<sup>29</sup>  
 cessus Lec. 66-382 Ariz. N.M. Mex.  
*durangoensis* (Csy.) 15-234<sup>29</sup>  
*inflatus* (Csy.) 15-234<sup>29</sup>  
*tantalus* (Csy.) 15-235<sup>29</sup>  
*cavicauda* (Csy.) 15-233<sup>29</sup>  
 antæus (Drury) 73-74 R.I.-Fla.-Tex.  
*maimon* (Fab.) 75-10<sup>29</sup>  
*syphax* Burm. 47-131<sup>29</sup>  
*houstonensis* Knaus 25-182<sup>29</sup>  
*atrolucens* (Csy.) 15-247<sup>29</sup>  
*pinorum* (Csy.) 15-248<sup>29</sup>  
*septentrionis* (Csy.) 15-249<sup>29</sup>  
*divergens* (Csy.) 15-246<sup>29</sup>  
*sinuatus* (Csy.) 15-250<sup>29</sup>  
*semistriatus* (Csy.) 15-250<sup>29</sup>
- Xyloryctes** Hope 37-90<sup>29</sup>  
 \* jamaicensis (Drury) 73-74 e.U.S.-Ariz.  
*satyrus* (Fab.) 75-12<sup>29</sup> [Jam.  
*americanus* (Beauv.) 05-75<sup>29</sup>  
*faunus* Csy. 95-609<sup>29</sup>  
*hebes* Csy. 15-257<sup>29</sup>  
*lacustris* Csy. 15-225<sup>29</sup>  
*tenuicornutus* Csy. 15-255<sup>29</sup>  
*obsolescens* Csy. 15-256<sup>29</sup>

<sup>29</sup> Saylor—46; revision.<sup>30</sup> See notes under Cyclocephala, above.

- Ligyris** Burm. 47-542<sup>29</sup> 30  
 \* (*Tomarius* Er. 47-95<sup>29</sup>)  
 (*Ligyrodus* Csy. 15-178)<sup>29</sup>  
 (*Gryllus* Csy. 15-189)<sup>29</sup>  
 (*Anagryllus* Csy. 15-204)<sup>29</sup>  
 (*Ligyrellus* Csy. 15-206)<sup>29</sup>  
 (*Euligyris* Csy. 15-185)<sup>29</sup>
- relictus (Say) 25-191 R.I.-Neb.-Ariz.  
*clypealis* (Csy.) 15-181<sup>29</sup>  
*parviceps* (Csy.) 15-182<sup>29</sup>  
*quadripennis* (Csy.) 15-182<sup>29</sup>  
*vernicolis* (Csy.) 15-182<sup>29</sup>  
*dawsoni* (Csy.) 24-334<sup>29</sup>
- sallei Bates 88-318 Tex. C.A.  
*a-tecus* Csy. 15-184<sup>29</sup>  
*propinquus* Csy. 15-183<sup>29</sup>
- cuniculus (Fab.) 01-20 U.S. C.A. S.A.  
*tumulosus* (Burm.) 47-101<sup>29</sup> [W.I.  
*antillarum* (Beauv.) 05-101<sup>29</sup>
- gibbosus (Deg.) 71-322 U.S. L.Cal. Mex.  
*variolosus* (Burm.) 55-121<sup>29</sup>  
*juvencus* (Burm.) 55-121<sup>29</sup>  
*morio* (Lec.) 48-20<sup>29</sup>  
*obsoletus* (Lec.) 48-87<sup>29</sup>  
*neglectus* (Lec.) 48-87<sup>29</sup>  
*puncticauda* Csy. 15-195<sup>29</sup>  
*arizonensis* Csy. 15-201<sup>29</sup>  
*brevipes* Csy. 15-202<sup>29</sup>  
*breviusculus* Csy. 15-196<sup>29</sup>  
*lacustris* Csy. 15-196<sup>29</sup>  
*californicus* Csy. 15-203<sup>29</sup>  
*laticollis* Csy. 15-203<sup>29</sup>  
*curtipennis* Csy. 15-199<sup>29</sup>  
*effetus* Csy. 15-200<sup>29</sup>  
*fartus* Csy. 15-200<sup>29</sup>  
*latus* Csy. 15-197<sup>29</sup>  
*levicauda* Csy. 15-202<sup>29</sup>  
*laticauda* Csy. 15-197<sup>29</sup>  
*longulus* Csy. 15-193<sup>29</sup>  
*parallelus* Csy. 15-194<sup>29</sup>  
*remotus* Csy. 15-194<sup>29</sup>  
*rubidus* Csy. 15-198<sup>29</sup>  
*lucublandus* Csy. 15-199<sup>29</sup>  
*scitulus* Csy. 15-203<sup>29</sup>  
*spissipes* Csy. 09-293<sup>29</sup>  
*texanus* Csy. 15-195<sup>29</sup>  
*virginicus* Csy. 15-193<sup>29</sup>  
*bicorniculatus* Csy. 15-198<sup>29</sup>
- subtropicus Blatch. 22-30 S.C.-Fla.  
*blatchleyi* Cart. 44-34<sup>29</sup>
- kevicollis Bates 88-316 Ariz. L.Cal. C.A.  
*bryanti* Rivers 91-97<sup>29</sup>
- Oxygryllus** Csy. 15-208<sup>29</sup>  
 \* (*Oxygryllus* Saylor 46-44)  
*ruginosus* (Lec.) 56-20 N.M.-Cal. L.Cal.  
*peninsularis* Csy. 15-209<sup>29</sup> [Mex.]
- Aphonides** Rivers 15-230<sup>29</sup>  
 \* (*Anoplognathus* Rivers 89-101)<sup>29</sup>  
*dunmanus* (Rivers) 89-102 Tex. Ariz.
- Euethcola** Bates 88-314<sup>29</sup>  
 \* *rugiceps* (Lec.) 56-21 Ga.-Ky.-Tex.  
*subglabra* (Schffr.) 09-383 Ariz. Mex.  
 \* \* \*
- Aphonis**  
*brevicruris* Cart. 44-36 Tex.
- PHILEURINI**<sup>31</sup>
- Phileurus**<sup>31</sup>  
*truncatus* Beauv. 07-41 Fla.-Mex.  
*recurvatus* Csy. 15-266<sup>31</sup>  
*illatus* Lec. 54-80 Ariz. Cal. L.Cal.  
*vitulus* Lec. 66-80<sup>31</sup>  
*phoenicis* Csy. 15-267<sup>31</sup>  
*puncticollis* Csy. 15-268<sup>31</sup>  
*castaneus* Hald. 44-301 Pa.-Fla.-Ariz.  
*texasensis* Csy. 15-268<sup>31</sup>  
*sulcifer* Csy. 15-269<sup>31</sup>  
*floridanus* Csy. 15-270<sup>31</sup>  
*carolinæ* Csy. 15-269<sup>31</sup>  
*valgus* of authors  
*valgus* (L.) 58-347 (W.I. S.A.)  
*s.septentrionis* Kolbe 10-352<sup>31</sup> Ala.-  
 [Tex. Cuba]
- Archophileurus**  
*eribrosus* (Lec.) 54-80 Tex. Mex.  
*bullatus* Csy. 15-274<sup>31</sup>  
*longulus* Csy. 15-273<sup>31</sup>  
*brevis* Csy. 15-272<sup>31</sup>  
 \* \* \*
- Cotinis**  
*pallata* G. & P. 33-336 Ariz. Cal.  
*arizonica* Csy. 15-287<sup>32</sup>
- Chlorivanthe** Bates 89-374  
*chapini* Cart. 39-363 Tex. Mex.
- CREMASTOCHEILINI**<sup>33 34</sup>
- Lissomelas** Bates 89-376<sup>33</sup>  
 \* *flohri* Bates 89-376 Ariz. Mex.
- Psilonemis** Burm. 42-676<sup>33</sup>  
 \* *leucosticta* Burm. 42-677 Md.-N.C. Mex.
- Gemechinus** Westw. 74-23  
 \* *inceptus* Horn 85-127 Ariz. Cal.  
*angustus* Csy. 15-344 Ariz.
- Cremastocheilus** Knoch 01-115<sup>33</sup>  
 \* **MACROPODINA** Csy.  
 [15-344]<sup>33 34</sup>  
*puncticollis* Cazier 40-124 Ariz. Cal.  
*planatus* Lec. 63-81 Ariz. Cal. Mex.  
*ampla* Csy. 15-346<sup>33 34</sup>  
*depressa* (Horn) 71-340<sup>34</sup>  
*beameri* Cazier 40-126 Ariz.  
**CREMASTOCHEILUS** s.str.  
*harrisii* Kby. e.U.S.  
*castaneæ* Knoch Can.-Conn.-Colo.-Gulf  
*v.lecontei* Westw.<sup>33</sup> Miss.vall.  
*v.pocularis* Csy.<sup>33</sup> Man.-Colo.  
*v.brevisetosus* Csy.<sup>33</sup> s.U.S.  
*canaliculatus* Kby. Can.-Ga.-Ohio  
*retractus* Lec. Ia.-Tex.  
*v.vincisus* Csy.<sup>33</sup> Kan. Colo.  
*variolosus* Kby. e.U.S.  
*squamulosus* Lec. N.C.-Fla.  
*angularis* Lec. Cal.  
*compressipes* Csy.<sup>33</sup>  
*nitens* Lec. Neb. Mo. Kan.  
*chapini* Cazier 40-130 Ariz.

<sup>32</sup> Chapin—46.<sup>33</sup> Potts—45; key to genera and species.<sup>34</sup> Cazier—40; key to genera.<sup>29</sup> Saylor—46; revision.<sup>31</sup> Cazier—40; key to genera and species.

- armatus Walk. Nev. Cal.—B.C.  
*densicollis* Csy.<sup>33</sup>  
*obliquus* Csy.<sup>33</sup>  
*v.maritimus* Csy.<sup>33</sup> Cal. Ore.  
*maritimus* Potts 45-76  
*v.montanus* Csy.<sup>33</sup> Nev. Cal.—Wash.  
*v.cribripennis* Csy.<sup>33</sup> Cal.  
mexicanus Schaum Ariz.  
crinitus Lec. Tex. N.M.  
*v.bifoveatus* VanD.<sup>33</sup> N.M.—Ariz.—B.C.  
*v.pugetanus* Csy.<sup>33</sup> Colo.—Wash.  
knochii Lec. Man.—N.M.  
*gracilipes* Csy.<sup>33</sup>  
*areolatus* Csy.  
pulverulentus Cazier 40-131 N.M.  
quadratus Fall Ariz.  
westwoodi Horn Cal.  
*v.tridens* Csy.<sup>33</sup> Cal.  
schaumi Lec. Cal.  
*v.tibialis* Csy.<sup>33</sup> 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.
- scaritoides* Sturm 43-136<sup>35</sup>  
*quercicola* Knoch 68-961<sup>38</sup>  
*angustus* Csy. 08-280<sup>38</sup>  
*iowanus* Csy. 08-280<sup>38</sup>  
*peregrinus* Csy. 08-280<sup>35</sup>  
piceus Kby. 37-141 Newf.—Md.—Ida.  
*depressus* Lec. 50-224<sup>35</sup>  
marginalis Csy. 97-639 Wyo.—Cal.—B.C.  
cribripennis VanD. 28-107<sup>39</sup> Cal.
- Platyceroides** Benesh 46-175  
\* (*Platycerus* Lec. 61-345, part)<sup>37</sup>  
agassii (Lec.) 61-315<sup>40</sup> Cal. Ore.  
*agassizi* of authors<sup>40</sup>  
*parvicollis* (Csy.) 90-164<sup>38 41</sup>  
*pacificus* (Csy.) 90-165<sup>38 41</sup>  
*californicus* (Csy.) 85-331<sup>38</sup>  
*s.pygmaeus* VanD. 46-88 Cal.  
aneus (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.
- Platycropsis** Benesh 46-195  
\* (*Platycerus* Csy. 95-153, part)<sup>37</sup>  
keeni Csy. 95-153 Cal.—B.C.  
*pedicellaris* Möll. 12-302<sup>35</sup>

CERAMBYCIDÆ

**Stenodontes**

NOTHOPLEURUS Lac.

- lobigenis (Bates) 84-235 Tex.—Cal. L.Cal.  
[Mex.  
*gnatho* Lec. 58-81 (not White)<sup>42</sup>  
*mandibularis* Gemm. 72-254 (not  
*castaneus* Csy. 24-225<sup>42</sup> [Fab.]<sup>42</sup>

**Orthosoma** Serv. 32-154<sup>43</sup>

cylindricus Fab.

**Smodicium**

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

**Aseminea**

ATIMINI<sup>44</sup>

**Atimia**<sup>45</sup>

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

\* \* \*

**Haplidus**

- laticeps Knoll 41-317 Tex.

**Styloxus** Lec. 73-239

- (*Idamea* Horn 80-137)<sup>46</sup>  
(*Malthopia* Csy. 12-308)<sup>46</sup>  
(*Malthopia* Linsley 40-34)

**Osmoderma** Lep. & Serv. 25-702<sup>35</sup>

- \* (*Gymnodus* Kby. 37-139)<sup>35</sup>  
scabra (Beauv.) 05-58<sup>36</sup>  
*foveatus* Kby. 37-140<sup>35</sup>  
*rugosa* Kby. 37-140<sup>35</sup>  
*delicatula* Csy. 15-372<sup>35</sup>  
*gracilipes* Csy. 15-374<sup>35</sup>  
*beauvoisii* Bainb. 41-481<sup>35</sup>  
*caviceps* Csy. 15-374<sup>35</sup>  
*lacustrina* Csy. 15-375<sup>35</sup>  
*cascyi* Schenk. 22-9<sup>35</sup>  
eremicola Knoch 01-105  
*subplanata* Csy. 15-376<sup>35</sup>  
*montana* Wickh. 20-233<sup>35</sup>

LUCANIDÆ

PLATYCERINI<sup>37</sup>

**Platycerus** Geoff. 62-62<sup>35</sup>

- \* (*Systemocerus* Weise 83-93)<sup>38</sup>  
(*Systemus* Shp. & Muir 12-573)<sup>38</sup>  
oregonensis Westw. 16-277 Cal.—B.C.  
arizonensis Westw. 44-106<sup>38</sup>  
*cærulescens* Lec. 61-345<sup>38</sup>  
*chalybeus* Csy. 97-639<sup>38</sup>  
virescens (Fab.) 94-87 e.Can.—e.U.S.  
quercus Weber 01-85<sup>38</sup>  
*securidens* Say 23-249<sup>38</sup>

<sup>35</sup> Hoffmann—39; key to species.

<sup>36</sup> Not validated in this reference; see later uses, such as Gory & Perch. 33-47.

<sup>37</sup> Benesh—46; new tribe and key to genera.

<sup>38</sup> Benesh—46; revision.

<sup>39</sup> Placed as a synonym of *marginalis* by Benesh—46; reinstated as species by Benesh in litt.

<sup>40</sup> These spellings reversed by Benesh—46.

<sup>41</sup> This date is given as 1889 by Leng and as 1875 by Benesh.

<sup>42</sup> Linsley—42.

<sup>43</sup> Distinct genus, Linsley—40.

<sup>44</sup> Linsley—39; key to genera.

<sup>45</sup> Linsley—39; key to species.

<sup>46</sup> Linsley—40.

METHIINI<sup>47</sup>

- Tessaropa**  
(*Dysphaga* Lec. 52-113)<sup>46</sup>  
(*Tessaroptes* G. & H. 73-3063)<sup>46</sup>
- Coleomethia** Linsley 40-32  
\* *evaniformis* (Knull) 37-306<sup>48</sup> 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.  
*picta* 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.) 87-141<sup>42</sup>  
*longicollis* (Deg.) 75-117<sup>42</sup>  
*pallens* (Fab.) 92-297<sup>42</sup>  
*surinamensis* (Oliv.) 95-54<sup>42</sup>

- Tylonotus**  
*champlaini* Knull 41-695 Pa.

- Gnaphalodes**  
*trachyderoides* Thoms. 60-236 Tex. L. Cal.  
*inermis* Bates 84-243<sup>42</sup> [C.A.]

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

- Anepsyra**  
*grandicollis* Linsley 42-40 L. Cal.

- Anellomorpha**  
*australis* Linsley 42-37 L. Cal.  
*rosalia* Linsley 42-38 L. Cal.

- Anelaphus**  
*subnoveatus* Linsley 42-42 L. Cal.  
*punctatus* (Lec.) 73-185 L. Cal.  
*subdepressus* Schffr. 04-222 Ariz. L. Cal.  
*michelbacheri* Linsley 42-42 L. Cal.  
*mæstus* (Lec.)<sup>49</sup>

- Anoplium**  
*insolletum* Linsley 42-43 L. Cal.

- Meganoplium** Linsley 40-258  
\* *imbelle* Lec. 81-27 Cal.

- Anoplocurius** Fisher 20-153<sup>50</sup>  
\* *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.

<sup>42</sup> Linsley—42.<sup>43</sup> Linsley—40.<sup>47</sup> Key to genera, Linsley—40.<sup>48</sup> Transferred from *Methia* by Linsley—40.<sup>49</sup> Transferred from *Anoplium* by Linsley—42.<sup>50</sup> Key to genus, Knull—42.<sup>51</sup> To precede *Obrini*, key, Linsley—40.EUMICHTHINI<sup>51</sup>

- Eumichtus** Lec. 73-190<sup>52</sup>  
\* (*Eumichtus* Auriv. 12-138)  
*œdipus* Lec.

- Pœcilibrium** Horn 83-291<sup>53</sup>  
(*Pœcilibrium* Linsley 40-369)  
(*Callimus* Lec. 73-305)<sup>46</sup>  
*chalybeum* Lec.

OBRINI<sup>54</sup>**Obrium**HYBODERINI<sup>55</sup>

- Hybodera** Lec. 73-191<sup>53</sup>

- Lampropterus** Muls. 63-214  
(*Callimus* Muls. 46-app.)<sup>46</sup>  
(*Pilema* Lec. 73-191)<sup>46</sup>  
(*Callimellum* Strand 28-2)<sup>46</sup>

- Pseudopilema** Linsley 40-373  
\* *hoppingi* VanD. 20-36<sup>56</sup> Cal.

- Megobrium** Lec. 73-192<sup>53</sup>

MOLORCHINI<sup>57</sup>

- Molorehus** Fab. 92-356  
(*Heliomanes* Newm. 40-17)<sup>46</sup>  
(*Glaphyra* Newm. 40-19)<sup>46</sup>  
(*Laphyra* Newm. 42-118)<sup>46</sup>

STENOPTERINI<sup>58</sup>

- Callimoxys** Kr. 63-105

\* \* \*

LEPTURINI<sup>54</sup>

- Toxotus**  
*spinosisus* 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<sup>59</sup>  
\* (*Leptacm. vops* Csv. 13-230)<sup>59</sup>  
*impunctata* Hopp. 47-222 Ore. Wash.  
*placensis* Hopp. 47-223 Cal.  
*sierra* 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.-

<sup>52</sup> Transferred from *Obrini*, by Linsley—40.<sup>53</sup> Transferred from *Molorchini* by Linsley—40.<sup>54</sup> Key to tribes, Linsley—40.<sup>55</sup> New tribe to follow *Obrini*, Linsley—40.<sup>56</sup> Transferred from *Callimus* by Linsley—40.<sup>57</sup> To follow *Hyboderini*, Linsley—40.<sup>58</sup> To follow *Molorchini*, Linsley—40.<sup>59</sup> R. Hopping—47; revision of genus.

- marginalis* (Lec.) 57-28<sup>59</sup> [B.C.]  
*vincta* (Lec.) 61-356<sup>59</sup>  
*ligata* (Lec.) 73-211<sup>59</sup>  
*punctiventris* Csy. 13-238<sup>59</sup>  
*alticola* Csy. 13-239<sup>59</sup>  
*suturalis* Csy. 24-277<sup>59</sup>  
*dorsalis* (Lec.) 59-21<sup>59</sup>  
*nitidipennis* (Csy.) 13-236 Ida. Wash. Ore.  
*subpilosa* (Lec.) 50-322 Alb.-Kan.-Cal.-  
*lupina* (Lec.) 60-321<sup>59</sup> [B.C.]  
*intermedia* Csy. 13-236<sup>59</sup>  
*pugetana* Csy. 13-237<sup>59</sup>  
*quadriceps* Csy. 13-237<sup>59</sup>  
*spuria* (Lec.) 73-228 Ore. Wash.  
*conifera* Hopp. 47-233 Colo. Wash. B.C.  
*stolida* (Csy.) 24-277 Nev.  
*robusta* Hopp. 47-234 Wash.  
*basalis* (Lec.) 73-211 Cal.  
*dichroma* Csy. 13-231<sup>59</sup>  
*auricollis* Csy. 13-232<sup>59</sup>  
*elegantula* Csy. 13-232<sup>59</sup>  
*cuneata* Csy. 13-231<sup>59</sup>  
*minima* Csy. 13-233<sup>59</sup>  
*cubitalis* (Lec.) 50-322<sup>60</sup> Cal.  
*temporalis* Csy. 13-233<sup>59</sup>  
*quadrinotata* Csy. 13-233<sup>59</sup>  
*tenuis* Csy. 13-233<sup>59</sup>  
*variipes* Csy. 13-234<sup>59</sup>  
 \* \* \*  
 ACMÆOPSISILLA Csy. 13-240  
*falsa* (Lec.) 59-80<sup>61</sup> Cal. L.Cal.
- Anthophylax**  
*viridis* Lec. 50-326<sup>62</sup> Ariz.
- Strangalia** Serv. 35-220  
*pacifica* Linsley 40-255 Cal.
- Anoplodera**  
*jacintana* Linsley 40-256 Cal.  
*scapularis* VanD. 20-43<sup>63</sup> Cal.  
*isabellæ* R.Hopp. 22-162<sup>63</sup>
- Ophistomis**  
*laevicollis* Bates 80-39 [C.A.]  
*s.ventralis* Horn 94-401<sup>61</sup> Ariz. L.Cal.
- Euryptera**  
*texana* Knull 41-388 Tex.
- Vesproetenus** Bates 91-159  
*flohri* Bates 91-160 L.Cal.<sup>64</sup> Mex.
- NECYDALINI<sup>65</sup>
- Necydalis**<sup>66</sup>  
*laevicollis* Lec. Cal.  
*s.seminiger* Linsley 40-277 Cal.  
*diversicollis* Schffr. Cal.  
*s.californica* Linsley 40-279 Cal.  
 \* \* \*
- Callidiellum** Linsley 40-254  
*cupressi* VanD. 23-48<sup>67</sup> Cal.
- Semanotus**  
 ANOCOMIS Csy. 12-271<sup>68</sup>
- Callidium**  
*sempervirens* Linsley 42-192 Cal.
- Phymatodes**  
 (*Phymatodis* Knull 40-556)  
*ursæ* Knull 40-556 Wyo.  
*vilitatis* Linsley 40-253 Cal.  
*vile* Lec. 73-172<sup>64</sup>  
 (not Newman, 1842)  
*hardyi* VanD. 28-112<sup>69</sup> B.C.  
*hirtellum* Lec. 73-172<sup>69</sup> Colo. Cal.  
*malkini* Fisher 42-51 Ore.
- Megaeyllene** Csy. 12-348<sup>70 71</sup>  
 \* (*Cyllene* Newm. 40-7, not Gray, [1834])<sup>70 71</sup>
- antennata* White 55-252 Tex.-Cal. L.Cal.  
*eurystethus* Lec. 58-82<sup>72</sup>  
*robinie* Forst. 71-43 Me.-Pa.-Minn. Ont.  
*flexuosa* F. 75-191<sup>72</sup>  
*angulata* Fab. 75-192<sup>72</sup>  
*pictus* Drury 70-91<sup>72</sup>  
*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 35-193<sup>72</sup>  
*a.mediana* Auriv. 12-384<sup>72</sup>  
*a.horni* Auriv. 12-384<sup>72</sup>  
*a.castelnaui* Auriv. 12-384<sup>72</sup>  
*a.genitiva* Csy. 12-355<sup>72</sup>  
*a.solida* Csy. 12-355<sup>72</sup>  
*a.kansana* Csy. 12-355<sup>72</sup>  
*infausta* Lec. 50-47 Minn.-N.M.  
*zuniana* Csy. 12-353 N.M.  
*lutosa* Lec. 64-356 Kan.  
*angulifera* Csy. 12-354 Alb.-Man.-Kan.
- Megacheuma** Mickel 19-198<sup>72</sup>  
 \* *brevipennis* (Lec.) 73-197 Wyo. Ut. Ore.  
*melanosticum* Mickel 19-199<sup>72</sup>
- Placosternus** G.R.Hopp. 37-447  
 \* *difficilis* (Chevr.) 62-263 Tex. Cal. Cuba  
*reducta* Csy. 12-351<sup>72</sup>  
*filicornis* Csy. 12-352<sup>72</sup>
- Glycobius** Lec. 73-319<sup>72</sup>  
 \* *speciosus* (Say) 28-53 N.H.-N.J.
- Calloides** Lec. 73-319<sup>72</sup>  
 \* *nobilis* (Harr.) 36-84 (N.A.)  
*muliebris* Csy. 12-358<sup>72</sup>  
*coloradensis* Csy. 12-358<sup>72</sup>  
*v.regalis* Chevr. 60-488<sup>72</sup>  
*mormonus* Schffr. 11-124<sup>72</sup>  
*lorquini* (Buqu.) 59-629 Nev. Cal.
- Tyleus** Csy. 12-348<sup>72</sup>  
 \* *hartwegi* (White) 55-252 Ariz. Mex.
- Sarosthes** Thoms. 66-185<sup>72</sup>  
 \* *fulminans* (Fab.) 75-192 Pa.-D.C.-Kan.-  
 [Minn.]
- Ochraethes** Chevr. 60-454<sup>72</sup>  
 \* (*Ochraethes* Chevr. 60-472)<sup>72</sup>
- <sup>60</sup> Error for Lec. 61-355.  
<sup>61</sup> Linsley-42.  
<sup>62</sup> Distinct species. Knull-42.  
<sup>63</sup> Transferred from Leptura by Linsley-40.  
<sup>64</sup> Linsley-40.  
<sup>65</sup> Linsley-40; revision and key to genera.  
<sup>66</sup> Linsley-40; key to species.  
<sup>67</sup> Transferred from Semanotus by Linsley-40.  
<sup>68</sup> Misspelled Anacomis in Leng-20 and 4th  
 Suppl., Leech in litt.  
<sup>69</sup> Transferred from Callidium, by Linsley-40.  
<sup>70</sup> Fisher-45.  
<sup>71</sup> Synonymy reversed by G. R. Hopping-37.  
<sup>72</sup> G. R. Hopping-37; revision.



- (*Ochrasthes* Thoms. 60-216)<sup>72</sup>  
*(Ochrastes* Lac. 69-65)<sup>72</sup>  
*(Ochrasthes* Bates 80-50)<sup>72</sup>  
 sigmoideus Bates 85-298 Tex. Mex.  
 TRIODOCLYTUS Csy. 12-374  
 lanifer (Lec.) 73-198 (N.A.)
- Arhopalus** Serv. 34 77  
*(Criocephalum* Dej. 35-328)<sup>64</sup>  
*(Criocephalus* Muls. 39-63)<sup>64</sup>
- Nyctrochus**  
 robustus R.Hopp. 41-29 Colo.
- Neoclytus**  
 irroratus (Lec.) 58-26<sup>73</sup> Tex.-Cal. L.Cal.  
*morosus* (Chevr.) 60-501<sup>61</sup> [Mex.]
- Eplophorus** Chevr. 61-248  
 bicinctus Linsley 35-88 [Mex.]  
 s.peninsularis Linsley 42-56 L.Cal.
- Rhopalophora**  
 prorubra Knull 44-91 Ariz.
- Rhopalophorella** Linsley 42-57  
 bicincta (Horn) 95-245 L.Cal.
- Stenosphenus** Hald. 47-39<sup>74</sup>  
 \* 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.) 40-6<sup>74</sup>  
*discoideus* (Sturm) 26-199<sup>74</sup>  
*discicollis* (Dej.) 35-330<sup>74</sup>  
 nigricornis Fisher 46-90 Cal.  
 debilis Horn 85-179 Utah  
 lugens Lec. 62-41 Tex. Mex.  
*hirsutipennis* Bates 72-191<sup>74</sup>  
 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. 12-346<sup>74</sup> 61  
 basicornis Linsley 34-60 L.Cal.  
 lepidus Horn 85-179 Ariz.  
 pruddeni Csy. 12-346 Ariz.  
 longicollis Csy. 91-34 Tex.  
 \* \* \*  
 piccus Knull 46-253 Tex.  
 texanus Knull 46-254 Tex.
- Gymnopsyra**  
 notabilis Knull 47-72 Cal.
- PSEBIINI
- Tragidium**  
 armatum Lec. 58-25 Tex.-Cal.<sup>64</sup>  
 gracilipes Linsley 40-136 Cal.  
 peninsulare Schffr. 08-339<sup>75</sup> L.Cal.<sup>64</sup>  
 s.californicum Linsley 40-137 Cal.  
*annulatum* of authors (not Lec.)<sup>64</sup>
- Crossidius**  
 australis Linsley 42-61 L.Cal.
- <sup>61</sup> Linsley—42.  
<sup>64</sup> Linsley—40.  
<sup>72</sup> G. R. Hopping—37.  
<sup>73</sup> Transferred from *Rhopalopachys* by Linsley—42.  
<sup>74</sup> Fisher—46; revision.  
<sup>75</sup> Treated as a species by Linsley—42.
- ruficollis Linsley 43-147 Cal.  
 brunneipennis Linsley 43-148 Nev.
- Oxoplus**  
 cruentus Lec. 62-42<sup>75</sup> L.Cal.  
*cruentatus* Horn 94-338<sup>75</sup>  
 tumacacorii Knull 44-91 Ariz.
- Elytroleptus**  
 davisii Knull 40-558 Tex.
- Parevander** Auriv. 12-45.3  
*(Evander* Lac. 69-160)<sup>76</sup>  
 (not Thomson, 1860)  
 xanthomelas (Guér.) 44-258 ?L.Cal. C.A.<sup>61</sup>
- Plionoma** Csy. 12 333<sup>77</sup>  
 rubens (Csy.) 91-34 Tex.-Cal. L.Cal.  
 basalis (Horn) 94-401<sup>78</sup> L.Cal.
- Taranomus** Csy. 12-333<sup>77</sup>  
 bivittata (Dupont) 38-58 Tex.-Cal. Mex.  
*bilineata* Gory 39-pl. 45<sup>79</sup> [L.Cal.  
 pallida (Schffr.) 05-132<sup>80</sup> L.Cal.  
 linsleyi Knull 42-226 Ariz.
- Lissonotus**  
 flavocinctus Dup. 36-9  
 s.puncticollis Bates 85-90 Cal. Ariz.  
*lucanus* Csy. 12-317<sup>79</sup> [L.Cal.]
- Dendrobias**  
 mandibularis Serv. 34-42 Tex.-Cal. Mex.  
 [L.Cal.]  
*quadrifasciatus* Dupont 36-22<sup>79</sup>  
*peninsularis* Csy. 12-316<sup>79</sup>
- Moncilema**  
 (*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. 13-285<sup>81</sup>  
*uteana* Csy. 13-285<sup>81</sup>  
*pimalis* Csy. 13-285<sup>81</sup>  
*spiniacollis* Csy. 13-286<sup>81</sup>  
*pollens* Csy. 13-286<sup>81</sup>  
*plectralis* Csy. 24-286<sup>81</sup>  
*colossa* Csy. 24-289<sup>81</sup>
- MONOCHAMINI<sup>82</sup>
- Neoptychodes** D. & D. 41-44<sup>82</sup>  
 \* trilineatus (L.) 71-532 S.C.-Fla.-Ariz.  
*vittata* (Fab.) 77-231<sup>82</sup> [C.A.]  
*insularis* Fairm. 50-61<sup>82</sup>  
*abbreviatus* Csy. 93-593<sup>82</sup>
- Monochamus** Guér. 27-91<sup>82</sup>  
 \* (*Monohammus* of authors)<sup>82</sup>  
 scutellatus (Say) 24-289 Newf.-N.C.-  
*resutor* Kby. 37-167<sup>82</sup> [Alas.]  
 oregonensis (Lec.) 73-231 N.D.-Cal.-  
*monticola* Csy. 13-293<sup>82</sup> [Alas.]  
 obtusus Csy. 91-15 Ida.-Wash.-Cal.  
 fulvomaculatus Linsley 33-118 Cal.
- <sup>76</sup> Blackwelder—46.  
<sup>77</sup> Treated as a genus by Linsley—42.  
<sup>78</sup> Transferred from *Sphaerothercus* by Linsley—42.  
<sup>79</sup> Linsley—42.  
<sup>80</sup> Transferred from *Ischoenemis* by Linsley—42.  
<sup>81</sup> Linsley—42, after Psota—30.  
<sup>82</sup> Dillon & Dillon—41; revision of tribe.

- maculosus (Hald.) 47-51  
 s.maculosus s.str. Neb.-Tex.-Cal.  
*clamator* (Lec.) 52-149<sup>82</sup>  
*strenuus* Csy. 13-293<sup>82</sup>  
 s.latus Csy. 24-290<sup>28</sup> 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. 37-168<sup>82</sup>  
 mutator Lec. 50-235 Mich. Minn.  
 carolinensis (Oliv.) 90-463 Mass.-Fla.-  
*dentator* (Fab.) 75-278<sup>82</sup> [Tex.-  
*minor* Lec. 73-231<sup>82</sup> [Minn. Mex.  
 titillator (Fab.) 75-172 Mass.-Fla.-Tex.-  
*angusticollis* Csy. 24-292<sup>82</sup> [N.D.  
*obesus* Csy. 24-290<sup>82</sup> [S.A.  
 marmorator (Kby.) 37-169 Que.-N.C.-  
*acutus* Lac. 69-316<sup>82</sup> [Minn.
- Microgoes** Csy. 13-298<sup>82</sup>  
 \* *oculatus* (Lec.) 62-40 Me.-Ala.-Ill.  
*tenuicornis* Csy. 13-298<sup>82</sup>
- Goes** Lec. 52-150<sup>82</sup>  
 \* *debilis* Lec. 52-150 Mass.-Fla.-Minn.-  
 [Ariz.  
 tigrinus (Deg.) 75-114 N.Y.-Fla.-La.  
*tomentosus* (Zieg.) 46-47<sup>82</sup> [Mex.  
*marmoratus* Csy. 13-296<sup>82</sup>  
 pulchra (Hald.) 47-150 Mass.-Ga.-Tex.-  
 [Ont.  
 fisheri D. & D. 41-122 Tex.  
 pulverulentus (Hald.) 47-51 Mass.-Fla.-  
 [Tex.-Minn.  
*laurenticus* Csy. 13-297<sup>82</sup>  
 novus Fall 28-236 ?Ill. Tex.  
 tessellatus (Hald.) 47-51 Mass.-Fla.-  
*amplipectus* (Csy.) 13-295<sup>82</sup> [Tex.-  
*robinsoni* Csy. 14-368<sup>82</sup> [Minn.
- Cacoplia** Lec. 52-149<sup>82</sup>  
 \* (*Itebestola* || Hald. 47-54)<sup>82</sup>  
 nebulosa (Hald.) 47-54 Mass.-Ala.-Minn.  
*pullata* (Hald.) 47-55<sup>82</sup>  
*pruinosa* Lec. 52-149<sup>82</sup>
- Plectrodera** Lec. 52-151<sup>82</sup>  
 scalator (Fab.) 92-278 N.Y.-Ga.-Tex.-  
*belli* Lec. 44-209<sup>82</sup> [Mont. Mex.  
 \* \* \*
- Neoptychodes** D. & D. 41-44  
 trilineatus (Linn.) 71-532<sup>79</sup> Fla.-L.Cal.  
*vittatus* (Fab.) 76-231<sup>79</sup> [S.A.
- Monoehamus**  
 notatus (Drury) 75-65 N.Y. Ind. Wis.  
 s.morgani Hopp. 45-17 B.C.  
 obtusus Csy. 91-45 Cal. B.C.<sup>83</sup>
- Goes**  
 pulcher (Hald.)  
 v.fuscatus Knull 44-92 Okla.
- DORCASHEMATINI
- Dorcascema** Lec. 52-147<sup>84</sup>  
 \* *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.
- Heteremis** Hald. 47-54<sup>84</sup>  
 \* *cinerea* (Oliv.) 95-28  
 s.cinerea s.str. Pa. Md. Mich.  
 s.bimaculata D. & D. 47-293 Kan.  
 \* \* \*
- Leptostylus**  
 arcuatus Lec. 52-168  
*floridanus* Champf. & Kn. 22-148<sup>85</sup>
- Leiopis**  
 rosalia Linsley 42-71 L.Cal.  
 rossi Linsley 42-71 L.Cal.  
 gracilipes Linsley 42-72 L.Cal.  
 nivovosus Linsley 42-73 L.Cal.
- Estoloides** Breuning 40-72  
 sordida (Lec.) 73-237<sup>86</sup> L.Cal.  
 sparsa Linsley 42-78 L.Cal.
- Ecyrus**  
 pacificus Linsley 42-80 L.Cal.
- Polianus**  
 obliquus Linsley 42-81 L.Cal.
- ONCIDERINI<sup>87</sup>
- Lochnaeroles** Bates 80-124<sup>88</sup>  
 \* *cornuticeps* Schffr. 06-20<sup>89</sup>  
 s.cornuticeps s.str. Tex. Mex.  
*tessellatus* Knull 37-42<sup>88 90</sup>  
 marmoratus Csy. 13-351 Ariz. Ecua.
- Oncideres** Serv. 35-67<sup>88</sup>  
 \* *pustulata* Lec. 54-82 Tex. ?Ill.  
*putator* of High 15-09 (not Thoms.)<sup>88</sup>  
*trinodatus* of Essig 26-460 (not  
 [Csy.]<sup>88</sup>  
 rhodosticta Bates 85-365 Tex.-Ariz.  
 [L.Cal. Mex.]<sup>79</sup>  
*putator* of Horn 85-195<sup>88</sup>  
*cingulatus* of Hamilt. 96-141 (not  
*trinodata* Csy. 13-352<sup>88 79</sup> [Say])<sup>88</sup>  
*pustulatus* of Essig 26-460<sup>88</sup>  
 quercus Skinn. 05-291 Ariz.  
 cingulata Say 26-272 Conn.-Tex. Cal.  
 [Mex.  
*texana* Herrick 02-15 (not Horn)<sup>88</sup>  
*pallescens* Csy. 13-353<sup>88</sup>  
*præcidens* Csy. 13-354<sup>88</sup>  
*texana* Horn 85-195<sup>88</sup>  
*subtropicus* Csy. 13-353<sup>88</sup>
- Oberca**  
 canadensis Fisher 45-56 Ont.

<sup>83</sup> Dillon & Dillon—43.<sup>84</sup> Dillon & Dillon—47; revision of genus.<sup>85</sup> Knull—42.<sup>86</sup> Transferred from Estola by Linsley—42.<sup>87</sup> Key to genera, Dillon & Dillon—45.<sup>88</sup> Dillon & Dillon—46; revision of genus.<sup>89</sup> Transferred from Oncideres by Dillon & Dillon—46.

- CHRYSEMELIDÆ**<sup>90</sup>
- Macroplea** Sam. 19-211  
(*Apelma* Billb. 20-53)<sup>91</sup>  
(*Haemonia* Dej. 21-114)<sup>91</sup>
- Lilioceris** Rtt. 12-79  
\* *lilii* (Scop.) 63-36 Que.<sup>92</sup> Eur.
- Neohaemonia** Szek. 41-148  
\* *nigricornis* (Kby.) 37-222<sup>93</sup> N.Y.  
  *americana* (Guér.) 44-259<sup>93</sup>  
  *melsheimeri* (Lac.) 45-211<sup>93</sup> Pa. Ill.  
  *nigricornis* (Clav.) 13-15<sup>93</sup>
- Syneta**  
  *pilosa* Brown 40-164 N.B.-Alb.  
  *extorris* Brown 40-165 N.C. Tenn.
- Zengophora**  
  *varians* Cr. Ore.<sup>94</sup>
- Lema**  
  *californica* Heinze 27-142  
  *æmuda* Horn 94-406 (not Lac., 1845)
- Megascelis** Sturm 26-80 (not 29 138)<sup>91</sup>
- Coscinoptera**  
  *corpulosa* Dahl 41-29 Ariz. Mex.
- Arthrochlamys**<sup>95</sup>  
  *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<sup>95</sup>  
  *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.<sup>94</sup>
- Exema**<sup>95</sup>  
  *pennsylvanica* Pierce 40-18 Pa. Ont.-Kan.  
  *consersa* of authors, in part<sup>95</sup>  
  *canadensis* Pierce 40-10 N.B.-Ont.-N.C.  
  *consersa* of authors, in part<sup>95</sup>  
    *gibber* of authors<sup>95</sup>  
  *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.<sup>94</sup>
- Diachus**  
  *ærginosus* Lec. 80-197 Ore.<sup>94</sup>
- Nodonota**<sup>96</sup>  
  *parkeri* White 41-162 Ariz.
- Rhabdoperus**<sup>97</sup>  
  *bowditchi* Barber 43-117 Fla.  
  *pratextus* (Say) 24-442  
    *picipes* of authors (not Oliv., 1808)<sup>97</sup>  
  *spiculatus* Barber 43-118 Me.-Mass.  
  *deceptor* Barber 43-118  
    *pratexta* Jones 41-321<sup>97</sup>  
  *weisei* (Schffr.) 20-117<sup>98</sup>  
    *subænca* (Schffr.) || 19-328<sup>97</sup>  
  *bottimeri* Barber 46-140 Tex.
- Adoxus**  
  *obscurus* (L.) Ore.<sup>94</sup>
- Colaspidea**  
  *varicolor* Cr. (not Lec.)<sup>94</sup> Ore.<sup>94</sup>
- Entomoscelis**  
  *americana* Brown 42-172 Man.-B.C.  
  *adonidis* of authors<sup>99</sup>
- Prasocuris**  
  *vittata* Oliv.  
  *vitatta* Johnson 41-12
- Leptinotarsa**  
  *lineolata* Stal Ore.<sup>1</sup>
- Zygomgramma**  
  *suturalis* Fab. 75-95  
  *sutoralis* Johnson 41-12<sup>2</sup>
- Calligrapha**  
  *fulvipes* Stål 59-323 Tex. Mex.<sup>92</sup>  
  *knabi* Brown 40-166 Que.  
  *bidenticola* Brown 45-122 N.B.-Ont.  
    *similis* Rogers 56-34<sup>3</sup>  
      (not Müller, 1776)  
  *californica* Linell 96-198 Cal.  
  *s. coreopsisivora* Brown 45-122 Conn.  
  *elegans* Oliv. 08 532<sup>3</sup> [N.S.-B.C.  
    (not Gmelin, 1789)  
  *virgata* G. & H. 74-3437<sup>3</sup>  
    (not Stål, 1859)  
  *alni* Schffr. 28-290 N.S.-Alb.  
    *confinis* Kby. 37-211<sup>3</sup>  
      (not Klug, 1820)  
  *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.  
  *virginica* Brown 45-130 Que. Ont.  
  *tiliæ* Brown 45-130 Ont.  
  *amator* Brown 45-132 Ont.
- Chrysolina**  
  *engelhardti* Hatch 39-49 Alas.
- Microthea** Stål 61-464  
  *ochroloma* Stal 61-464 Ala.<sup>4</sup> S.A.
- Phædon**  
  *armoraciæ* (L.) Ore.<sup>94</sup>  
  *oviformis* Lec. Ore.<sup>94</sup>  
  *niger* Hatch Ore.<sup>94</sup>  
  *carri* Hatch Ore.<sup>94</sup>  
  *punctatus* Hatch Ore.<sup>94</sup>

<sup>90</sup> Key to subfamilies, based on larvæ; Sailsbury—43.

<sup>91</sup> Barber & Bridwell—40.

<sup>92</sup> Brown—46.

<sup>93</sup> Transferred from *Haemonia* by Szekessy—41.

<sup>94</sup> K. Fender—45.

<sup>95</sup> Brown—43; key to Canadian species.

<sup>96</sup> Key to species, White—41.

<sup>97</sup> Barber—43; key to species.

<sup>98</sup> Transferred from *Colaspis* by Barber—43.

<sup>99</sup> Brown—42.

<sup>1</sup> Malkin—43.

<sup>2</sup> White—42.

<sup>3</sup> Brown—45.

<sup>4</sup> Barber in litt.; (Timarchini).

- Gastrophysa** Chev. 37-405  
 (*Gastræidea* Hope 40-164)<sup>91</sup>  
 (*Gastroidea* G. & H. 74-3403)<sup>91</sup> <sup>5</sup>  
 cyanea Melsh. Ore.<sup>1</sup>
- Phytodecta** <sup>6</sup>  
 arctica Mannh. 53-257  
     *affinis* of authors <sup>6</sup>  
     *scutellaris* Sahlb. 85-55 <sup>6</sup>  
 americana Schffr. 24-139  
     *pallida* of authors <sup>6</sup>  
     *rufipes* of Kby. 37-213 <sup>6</sup>  
     *viminalis* of Mannh. 53-256 <sup>6</sup>  
 notmani Schffr. 24-140  
     *affinis* of Notm. 21-75 <sup>6</sup>  
 occidentalis Brown 42-104 Alb. B.C.
- Galernuccia**  
 ribicola Brown 38-37 Man.  
     *s.confusa* Brown 46-50 Ont.  
 xanthomelana (Schr.) 81-78 Ont.<sup>7</sup> Ore.<sup>1</sup>  
     *xanthomelea* Malkin 43-74
- Monoxia** <sup>8</sup>  
 consputa (Lec.) 57-70 Wyo.-Tex. Cal.-  
     [Wash.]  
 guttulata (Lec.) 57-70 <sup>9</sup> Cal. Ore.<sup>1</sup>  
     *consputa* Horn 93-85, in part <sup>8</sup>  
 sordida (Lec.) 58-88 Colo.-Tex.-L.Cal.  
 angularis (Lec.) 59-90 <sup>9</sup> N.D.-Cal.-B.C.  
     *consputa* Horn 93-85, in part <sup>8</sup>  
 debilis Lec. 65-222 Alb.-Ariz.-Ida.  
     *obtusa* Lec. 65-222 <sup>8</sup>  
 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.]  
     Tex.  
 obesula Blake 39-167  
 pallida Blake 39-168 Colo. Ida.  
 minuta Blake 39-169 Ariz.  
 apicalis Blake 39-170 Ariz. Cal.  
 brisleyi Blake 39-171 Utah Ariz. Cal.
- Diabrotica** 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.) 75-122 <sup>10</sup> S.C.  
     *melanocephala* (Fab.) 75-118 <sup>10</sup>  
 trivittata (Mannh.) 43-309 <sup>10</sup> Tex.-Cal.  
     *vittata* of Jacoby 87-535 <sup>10</sup> [C.A.  
     *incerta* (Ckll.) 96-67 <sup>10</sup>  
 blandula (Lec.) 68-58 <sup>10</sup> Kan. Colo. Tex.-  
     *nitida* (Linell) 98-483 <sup>10</sup> [Ariz.  
 vineta (Lec.) 78-416 <sup>10</sup> S.C.-Fla.-Tex.
- Amphelasma** Barber 47-158  
 \* bipuncticollis (Schffr.) 05-171 Ariz.
- Luperus**  
 morulus Lec. Ore.<sup>94</sup>
- pallipes B. & H. Ore.<sup>94</sup>  
**Scelolyperus** Cr. 74-70 <sup>11</sup>  
 blakeæ White 44-178 Tex.
- Luperodes** <sup>12</sup>  
 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. 06-249 <sup>12</sup>  
     *marginalis* Fall 10-149 <sup>12</sup>  
 brunneus (Cr.) 73-44 N.C.-Ga.-Tex.-  
     [Kan.]  
     *varicornis* Horn 93-111 (part)<sup>12</sup>  
     *davisi* Leng 11-193 <sup>12</sup>  
 rugipennis Blake 42-68 L.Cal.  
 pallidulus Blake 42-68 Tex.  
 elachistus Blake 42-69 N.M.  
 popenoei Blake 42-70 Kan.  
 chiricahuensis Blake 42-71 Ariz.  
 convexus Blake 42-71 Ill.-Iowa-Okla.  
 ocularis Blake 42-72 Ariz.  
 punctatissimus Blake 42-73 Ariz.  
 vandykei Blake 42-73 Cal.  
 adenostomata White 42-31 Cal.
- SERRATICOLLINI <sup>2</sup>
- Serraticollis** White 42-17  
 \* rhois White 42-18 Cal.  
 parkeri White 42-20 Ariz.  
     \* \* \*
- Galerna** <sup>13</sup>  
 \* externa Say 24-458 Can.-Kan.  
     *pomona* Knab 05-230 <sup>13</sup>  
     (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)<sup>14</sup>  
 trifurcata (Forst.) 71-29  
     *caminia* (Fab.) 01-459 <sup>14</sup>
- Andrector**  
 (*Cerotoma* of authors, in part)<sup>14</sup>  
 ruficornis (Oliv.) 91-200 Fla. Tex. W.I.  
     *denticornis* (Fab.) 92-24 <sup>14</sup>  
     *sexpunctatus* Horn 72-152 <sup>14</sup>  
 atrofasciatus (Jacoby) 79-792 Ariz. C.A.  
     *ruficornis* of authors, not Oliv.<sup>14</sup>
- Distignoptera** Blake 43-209 <sup>15</sup>  
 pilosa (Ill.) 07-105 <sup>16</sup> 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.-Okla.-Sask.  
 falli Blake 43-218 Ariz.

<sup>5</sup> Should be credited to Agassiz 46-160.

<sup>6</sup> Brown—42; key to species.

<sup>7</sup> Sheppard—46.

<sup>8</sup> Blake—39; key to species.

<sup>9</sup> Distinct species, Blake—39.

<sup>10</sup> Barber—47.

<sup>11</sup> Key to genus, White—44.

<sup>12</sup> Blake—42; key to species.

<sup>13</sup> Blake—45; key to species.

<sup>14</sup> Barber—45.

<sup>15</sup> Blake—43; key to species.

<sup>16</sup> Transferred from *Hypolampsis* by Blake—43.

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

<sup>17</sup> Fender—45.<sup>18</sup> Brown—42.<sup>19</sup> Malkin—43.<sup>20</sup> Brown—46.<sup>21</sup> Transferred from *Microrhopalus* by McCauley—39.<sup>22</sup> Erroneously credited to Dejean by McCauley—38. (See Barber & Bridwell—40.)<sup>23</sup> Barber—47.<sup>24</sup> Barber & Bridwell—40.<sup>25</sup> Bridwell—46; generic revision.<sup>26</sup> Bridwell—46, uses *Bruchidae*, *Bruchinae*, and *Bruchus*.<sup>27</sup> Bradley—47.MYLABRIDÆ<sup>25 26</sup>Pachymerinae<sup>25</sup>

- Caryobruchus**<sup>25</sup>  
gléditsæ (L.)

Amblycerinae<sup>25</sup>

- Amblycerus**<sup>25</sup>

- Zabrotes**<sup>25</sup>

Mylabrinae<sup>25 26</sup>

- Mylabris** Geoff.<sup>27 28</sup>

(*Bruchus* L.)<sup>26</sup>

- knulli White 41-189 Ariz.

- Megacerus** Fähræus 39-? <sup>25 27</sup>

(*Pachybruchus* Pic 12-92)<sup>27</sup>

coryphæ (Oliv.)

discoideus (Say)

impiger (Horn)

schæfferianus Bridw.

*crenatus* || Schffr.<sup>27</sup>

arenarius Wolc.<sup>27</sup>

- Callosobruchus** Pic 02-6<sup>25</sup>

chinensis (L.)

maculatus (F.) 75-65

*quadrifasciatus* (Fab.) 92-371

*barbicornis* (Fab.) 01-403

*bistriatus* (Fab.) 01-402

*chinensis* (Thunb.) 16-46 (not L.)

*longicornis* (Thunb.) 16-17

*litteratus* Schönh. 33-102

- Stylantheus** Bridw. 46-54

macrocerus (Horn)

- Gilobobruchus**<sup>25 27</sup>

mimus (Say)

- Meibomens** Bridw. 46-54

musculus (Say)

- Merobruchus** Bridw. 46-54

julianus (Horn)

major (Fall)<sup>27</sup>

- Acanthoscelides** Schilsky 05 c<sup>25</sup>

pectoralis (Horn)

floridæ (Horn)

innotatus (Pic)

obsoletus (Say)

longistilis (Horn)

alboscuteclatus (Horn)

<sup>28</sup> 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. 16244<sup>1 2</sup>, a fact which apparently escaped Mr. Bradley.



- tenuis Bott.<sup>30</sup>  
 obtectus (Say)  
 perforatus (Horn)  
 calvus (Horn)  
 fraterculus (Horn)
- Mimosestes** Bridw. 46-54  
 sallæi Shp.
- Algarobius** Bridw. 46-54  
 prosopis Lec.  
*uniformis* Lec.  
*desertorum* Lec.
- Neltamius** Bridw. 46-54  
 arizonensis (Schffr.)  
 gibbothorax (Schffr.)<sup>27</sup>  
 texanus (Schffr.)<sup>27</sup>
- Stator** Bridw. 46-55  
 pruininus (Horn)<sup>31</sup>
- Cercidistes** Bridw. 46-55  
 ulkei (Horn)
- Althæus** Bridw. 46-55  
 hibisci (Oliv.)
- Sennius** Bridw. 46-55  
 bivulneratus (Horn)<sup>27</sup>  
 cruentatus (Horn)  
 nigrinus (Horn)<sup>27</sup>
- Sparteus** Bridw. 46-55<sup>29</sup>  
 fasciatus (Oliv.) 95-20 Mass.<sup>27</sup>  
*cisti* Payk.<sup>27</sup>  
 villosus (Fab.)<sup>25</sup>
- Abutiloneus** Bridw. 46-55  
 idoneus Bridw. 46-55  
*flavicornis* Shp. (not Fab.)  
 seminulum (Horn)  
 atomus (Fall)

**Kytorhininae**<sup>25</sup>

- Kytorhinus** Fisch.<sup>25</sup>  
 prolixus (Fall)

**BRENTIDÆ**

- Arrhenodes** Schönh. 26-70  
 (*Eupsalis* of No. American authors)<sup>32</sup>
- Paratrachelizus** Kleine 21-32  
 (*Trachelizus* of No. American  
 [authors])<sup>32</sup>

<sup>29</sup> Cited as a subgenus of *Bruchidius* by Bradley—47, and also as a synonym of *Spermophagus*.  
<sup>30</sup> 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.  
<sup>31</sup> 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**<sup>33 34</sup>

(*Platystomidæ*)<sup>33</sup>

- Ormiseus** Waterh. 45-37  
 (*Toxotropis* Lec. 76-397)<sup>32</sup>  
 (*Gonops* Lec. 76-398)<sup>35</sup>
- Piesocorynus** Dej. 37-257  
 (*Piezocorynus* Schönh. 39-250)<sup>32</sup>
- Neanthribus** Jordan 06-341  
 (*Pseudanthribus* Pierce 30-24)<sup>32</sup>  
 (*Anthribus* of authors, not Geoff.)<sup>32</sup>  
 (*Neanthribus* Leng & Mutch. 14-481)<sup>35</sup>
- Euxenus**  
 ater Blatch. 28-238<sup>36</sup> Fla.

**CURCULIONIDÆ**

- Attelabus**  
 foveipennis Suffr. 70-228<sup>37</sup> Ill.
- Pseudocoeorhinus**  
 bifasciatus Rœlofs 79-xxiv  
*setosus* of Amer. authors<sup>32</sup>
- Cyrtapistomus** Marshall 13-186  
 (*Myllocerus* of authors, not  
 [Schönh.])<sup>32</sup>  
 (*Corigetus* of authors, not Desbr.)<sup>32</sup>  
 castaneus Rœlofs 73-168 N.Y. N.C.  
 Japan<sup>32</sup>
- Phyxelis** Schönh. 43-122<sup>38</sup>

**OPHRINASTINI**<sup>39</sup>

- Sapotes** Csy. 88-241<sup>39</sup>  
 \* puncticollis Csy. 88-241 Tex.-Ariz.  
 longipilis VanD. 34-175 Ariz.
- Eupagoderes** Horn 76-32<sup>39</sup>  
 I  
 \* desertus Horn 76-34 Ariz. Cal.  
*giganteus* Chitt. 26-169<sup>39</sup>  
 californicus Ting 39-81 Ariz. Cal.  
 geminatus Horn 76-35 Nev. Cal.  
 griseus A.C.Davis 47-498 Cal.  
 æneus 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. 88-240<sup>39</sup> Tex.

<sup>32</sup> Buchanan in litt.

<sup>33</sup> This arrangement preferred by most recent writers.

<sup>34</sup> Key to subfamilies and some genera on larval characters, Anderson—47.

<sup>35</sup> Blackwelder—47.

<sup>36</sup> Transferred from *Collabismodes* by Buchanan in litt.

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

<sup>38</sup> Transferred from *Eremninae* to *Leptopinae* by Marshall—44.

<sup>39</sup> A. C. Davis—47; revision.

- pilosus* A.C.Davis 47-507 Colo.  
*varius* Lec. 53-444 Utah Nev. Ariz. Cal.  
     *v. plumbeus* Horn 76-35<sup>39</sup> Cal.  
*aridus* Fall 10-192 Ariz. Cal.  
     IV  
*speciosus* (Lec.) 53-144 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.  
     [Cal.  
     V  
*lucanus* Horn 76-34 L. Cal.  
     -----  
*setosus* VanD. 34-179 Ariz.  
*huachucae* VanD. 34-180 Ariz.  
*halli* VanD. 34-181 Ariz.  
*cretaceus* Shp. 91-96<sup>40</sup> Ariz. Mex.  
*utahensis* Tann. 39-31<sup>40</sup> Utah  
*hardyi* Tann. 39-31<sup>40</sup> Utah  
**Amydrogmus** Pierce 13-374<sup>39</sup>  
   \* *variabilis* Pierce 13-374 Tex.  
**Ophryastes** Schönh. 33-508<sup>39</sup>  
   \* *wickhami* 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. 54-225<sup>40</sup>  
     *symmetricus* Fall 07-260 N.M. Ariz.  
     *sulcipennis* Csy. 88-239 N.M.  
     *sulcirostris* (Say) 24-316 Mont.-Tex.-  
         *ligatus* Lec. 53-443<sup>39</sup> [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 09-344<sup>39</sup>  
     *vittatus* (Say) 24-316 Kan.-Tex.-Nev.  
**Tosastes** Shp. 91-91<sup>39</sup>  
   \* *globularis* Pierce 09-344 N.M.  
     *ovalis* Pierce 09-345 Tex. Ariz.  
     *cinerascens* Pierce 13-376 Wash.  
**Rhigopsis** Lec. 74-459<sup>39</sup>  
   \* *effracta* Lec. 74-459 Cal.  
     *simplex* Horn 91-442 L. Cal.  
     \* \* \*  
**Cimboecera** Horn 76-55<sup>41</sup>  
   \* *buchanani* Ting 40-134 Colo.-Tex.-Ariz.-  
     [Utah  
     *pauper* Horn 76-56 Alb.-Wyo.  
     *conspersa* Fall 07-261 Colo.-Ariz.  
         *sericea* Pierce 13-379<sup>41</sup>  
         *albovestita* VanD. 34-190<sup>41</sup>  
     \* \* \*  
     *petersoni* Tann. 41-29 Utah  
**Paracimboecera** VanD. 38-1<sup>41</sup>  
   \* *atra* VanD. 38-2 Nev.  
     *artemisiae* Ting 40-139 Wyo. Colo. Nev.  
     [Ida.
- robusta* (VanD.) 35-2<sup>42</sup> Cal.  
**Miloderoides** VanD. 36-74<sup>41</sup>  
   \* *maculatus* VanD. 36-76 Ida.  
     *cinerea* (VanD.) 35-1<sup>42</sup> Colo.  
         *argenteus* VanD. 35-1<sup>41</sup>  
     \* \* \*  
     *vandykei* Tann. 42-23 Utah  
**Cryptolepidus** VanD. 36-191<sup>41</sup>  
   \* (*Lepidopus* VanD. 36-76)<sup>41</sup>  
     *nevadicus* VanD. 36-77 Nev.  
     *planifrons* Ting 10-146 Nev.  
     *leechi* Ting 40-147 Cal.  
     *cazieri* (VanD.) 36-73<sup>42</sup> Ariz. Cal.  
     *rugicollis* Ting 40-149 Nev.  
**Calomycterus**  
   *setarius* Roelofs 73-175 Mass.-D.C.-Iowa<sup>32</sup>  
**Minyomerus**  
   *microps* (Say) 31-9<sup>32</sup> Mo.  
**Pandeleteius**  
   *viridissimus* VanD. 43-108 Ariz.  
**Eriocydeus** Pasc. 80-442  
   (*Cyphus* Germ. 24-127)<sup>32</sup>  
**Laehnopus**  
   *floridanus* Horn 76-101<sup>43</sup> Fla.  
**Apotomoderus** Dej. 34-235  
   (*Lpotomoderus* Chev. 78-liv)<sup>47</sup>  
   *albicans* Lac. 63-pl. 62 Cal.<sup>47</sup>  
**Graphognathus** Buch. 39-11<sup>44</sup>  
   \* *peregrinus* (Buch.) 39-14 Ala. Miss.  
     *minor* (Buch.) 42-107 Fla.  
     *leucoloma* (Boh.) 40-62 (not No. Amer.)<sup>40</sup>  
         *r.<sup>45</sup> 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.  
**Naupaetus** (not No. Amer., see Grapho-  
     gnathus)<sup>40</sup>  
**Barypithes** J. du V. 55-13  
   (*Barypithes* VanD. 47-96, and 36-  
     [82])  
   *pellucidus* (Boh.) 34-507 Cal.<sup>46</sup>  
     *pullucida* VanD. 47-96  
**Myllocerus**  
   *hilleri* Faust 89-222 Conn. Pa. D.C.  
     Japan<sup>47</sup>  
**Cercopus**  
   *artemisiae* Pierce 10-365<sup>48</sup> Ida. Mont.  
     *parvulus* (VanD.) 36-78<sup>48a</sup>  
**Charteclus**  
   *asperatus* (Boh.) 44-116 Mass.  
     *setiger* Horn 76-78<sup>47</sup>  
**Aphrastus** Say 31-9  
   (*Micronychus* Prov. 77-508)<sup>49</sup>  
   *tenuatus* Say 31-9  
     *sulcatus* (Prov.)<sup>49</sup>

<sup>32</sup> Buchanan in litt.<sup>39</sup> A. C. Davis—47; revision.<sup>40</sup> Buchanan—47.<sup>41</sup> Ting—40; revision.<sup>42</sup> Transferred from Cimboecera by Ting—40.<sup>43</sup> Distinct species, Buchanan in litt.<sup>44</sup> Distinct genus, Buchanan—47.<sup>45</sup> Race.<sup>46</sup> Van Dyke—47.<sup>47</sup> Buchanan in litt.<sup>48</sup> Does not belong here; Ting—40.<sup>48a</sup> Ting in litt.<sup>49</sup> Brown in litt.

- Phyllobius**  
 oblongus (L.) N.B.<sup>50</sup> N.Y.<sup>51</sup> Europe
- Liophilous** Germ. 17-341  
 tessulatus Müller 76-87 N.Y.<sup>52</sup>  
 nubilus Fab. 76-228<sup>53</sup>
- Hypera**  
 punctata (Fab.) Cal.<sup>54</sup>
- Listronotus**<sup>55</sup>  
 ingens Henderson 40-243 Ind.-Tex.  
 squamiger (Say) 31-11 Mass.-N.C.-Cal.-  
 inaequalipennis (Boh.) 40-189 [B.C.  
 sordidus (Gyll.) 34-280 Que.-La.-Colo.  
 distinguendus (Gyll.) 34-281<sup>55</sup>  
 obliquus Lec. 76-129<sup>55</sup>  
 manifestus Henderson 40-269 Tex.  
 rotundicollis Lec. 76-132 Pa.-Tex.  
 cribricollis Lec. 76-134<sup>55</sup>  
 distinctus Henderson 40-274 Tex.  
 blatchleyi Henderson 40-279 Fla.  
 callosus Blatch. 28-241, not Lec.<sup>55</sup>  
 blandus Henderson 40-282 Ga.-Fla.-La.  
 oregonensis Lec. 60-55 Que.-Miss.-Ore.  
 rudipennis Blatch. 16-162<sup>55</sup>  
 impressifrons Lec. 76-134<sup>55</sup>  
 latiusculus Lec. 76-133 (not Boh.)<sup>55</sup>  
 s.tessellatus Csy. 95-828<sup>55</sup> Alb.-Colo.  
 nebulosus Lec. 76-133  
 sulcirostris Lec. 76-132<sup>55</sup>  
 similis Henderson 40-304 Tex.  
 appendiculatus (Boh.) 42-192 Me.-Tex.-  
 floridensis Blatch. 16-160<sup>55</sup> [B.C.  
 impressus VanD. 29-106<sup>55</sup>  
 leucozonatus Chitt. 26-341<sup>55</sup>  
 insignis Henderson 40-313 Fla.
- Dorytomus**  
 rubidus Tanner 39-32 Utah
- Grypus** Germ. 17-340  
 (Grypidius Schönh. 26-231)<sup>47</sup>
- SMICRONYCHINI<sup>57</sup>
- Smicronyx**  
 utilis Buch. 41-29 Sask.  
 commixtus Dietz 94-160  
 caseyi Blatch. 16-10<sup>56</sup>  
 vestitus Lec. 76-172  
 connivens Csy. 92-389<sup>56</sup>  
 spurcus Csy. 92-393<sup>56</sup>  
 SYNERTHA Dietz 94-172<sup>58</sup>  
 cuscutiflora Pierce 39-48 Cal.  
 PACHYPHANES Dietz 94-115<sup>58</sup>  
 celenus Pierce 39-50 Cal.  
 elsegundinis Pierce 39-52 Cal.  
 \* \* \*
- Anchodemus**  
 lutulentus (Boh.) 43-165 Pa.<sup>59</sup>
- Hydronomi<sup>60</sup>
- Bagous**<sup>61</sup>  
 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.  
 \* \* \*
- Puigodes**<sup>61</sup>  
 buchanani Tanner 43-33 La.  
 tuberosus Tanner 43-35 Iowa
- Schizomicrus** Csy. 05-164<sup>62</sup>
- Neotylopterus** Hust. 39-60  
 (Tylopterus Lec. 76-215)<sup>59</sup>
- Tychius**  
 griseus Schffr. 08-217<sup>63</sup> Me.-N.Y.  
 picirostris Fab. 87-101 Wash. B.C.<sup>63a</sup>
- Anthonomus**  
 nubiloides Fall 28-239 Me. Mass.<sup>60</sup>  
 rutilus (Boh.) 43-165<sup>59</sup>
- Odontopus** Say 31-15  
 (Prionomerus Schönh. 36-359)<sup>64</sup>
- Nanophyes**  
 canadensis Brown 44-10 Man. Alta.
- Corimalia** Gozis  
 pallidulus (Grav.) 85-129<sup>65</sup> U.S. Europe
- Sternechus**<sup>66</sup>
- Cosmolobaris**  
 americana Csy. 20-344  
 scolopacea of authors, not Germ.<sup>59</sup>  
 squamiger Hayes 36-27<sup>59</sup>  
 stonilli Hayes 36-28<sup>59</sup>
- Glyptobaris**  
 lecontei Champ. 09-404  
 rugicollis (Lec.) 76-297<sup>59</sup>
- Acetriopsis**  
 brevicollis Csy. 20-457  
 centrinooides (Green) 20-200<sup>67</sup>
- Lechriops** Schönh. 26-306  
 (Gelus Csy. 97-667)<sup>59</sup>
- Peltophorus** Schönh. 45-451  
 \* (Zygops of Amer. authors)<sup>59</sup>  
 polymitis Boh. 45-482  
 v.seminiveus Lec. 84-31<sup>59</sup>  
 v.suffusus Csy. 92-495<sup>59</sup>  
 adustus Fall 06-61

<sup>50</sup> Gorham—43.

<sup>51</sup> Felt—28; Carruth—36.

<sup>52</sup> Felt—18; Felt—20.

<sup>53</sup> Junk Catalog.

<sup>54</sup> Smith & Michelbacher—45.

<sup>55</sup> Henderson—40; key to species.

<sup>56</sup> Buchanan—40.

<sup>57</sup> Pierce—39; key to genera.

<sup>58</sup> Pierce—39; key to species.

<sup>59</sup> Buchanan in litt.

<sup>60</sup> Tanner—43; key to genera.

<sup>61</sup> Tanner—43; key to species.

<sup>62</sup> Belongs in Raymondionyminae, Tanner—43.

<sup>63</sup> Distinct species, Venables—43.

<sup>63a</sup> Venables—43.

<sup>64</sup> Buchanan in litt.

<sup>65</sup> Transferred from Nanophyes by Brown—44.

<sup>66</sup> Placed in Hylobiinae in Junk Catalog.

<sup>67</sup> Green in litt.

**Cylindrocopturus**

- furnessi Buch. 40-178 Cal.-Wash.  
 delconii Buch. 40-179 Wyo. Mont. Ida.  
 eatoni Buch. 40-181 Cal.

**Acoptus**

- (*Homogaster* Prov. 77-530)<sup>68</sup>  
 suturalis Lec. 76-264  
 quebecensis (Prov.) 77-530<sup>68</sup>

**Acanthoscelidius**

- (*Acantharthus* Marshall 39-583)<sup>59</sup>

**Centorhynchus**

- hearni Brown 40-186 Man.  
 munki Brown 40-187 Man.  
 assimilis Payk. 00-257 Cal. Wash. Eur.<sup>69</sup>

**Rhinoncus**

- castor (Fab.) 92-408 N.S.-Ont.-Va.<sup>70</sup>

**Conotrachelus** Dej. 35-296

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

- buchanani Schoof 42-51 N.J.-D.C.-Iowa-  
 {Tex.  
 Iowensis Schoof 42-57 Ill. Iowa  
 hiorieæ 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. 30-158<sup>71</sup>  
 recessus Csy. 10-130  
 atokanus Fall 13-65<sup>71</sup>  
 cribricolis (Say) 31-28  
 puncticolis Walsh. 64-310<sup>71</sup>  
 anaglypticus (Say) 31-18 Ont.-Fla.-Tex.  
 rubiginosus Boh. 45-28  
 leucophaeatus Fähr. 37-417  
 demens Boh. 37-31<sup>71</sup>  
 carolinensis Schoof 42-137 Mass.-Fla.-  
 [Ariz.  
 pecanæ Buch. 47-50 La. Tex.

**Faustinus** Berg 98-18

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

**Acamptus**

- echinus Csy. 92-445 (not 95-837)<sup>59</sup> N.Y.  
 (not Ariz.)<sup>59</sup>

**Dryotribus** Horn 73-433

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

**Macrancylus** Lec. 76-338

- (*Haloxenus* Perk. 00-148)<sup>72</sup>  
 linearis Lec. 76-339 Fla. W.I. Hawaii<sup>72</sup>  
 immigrans Perk. 00-148<sup>72</sup>

**Pselactus** Broun 86-972

- \* spadix (Hbst.) 95-256<sup>72a</sup> N.Y. N.J. Eur.

**Phloeophagus**

- minor Horn 73-443  
 carinatus Blatch. 16-545<sup>73</sup>  
 apionides Horn 73-443  
 apionoides Csiki 36-143

**Cossoninæ****Rhyncolus**<sup>76</sup>

- (*Xylocomesus* Thatch. 40-89)<sup>74</sup>  
 cercocarpus Thatch. 40-90<sup>74</sup> Nev.  
 knowltoni Thatch. 40-90<sup>74</sup> Utah  
 brunneus Mannh. 43-295 N.Y.-N.M.-  
 relictus Csy. 92-705<sup>73</sup> [Alas.  
 californicus Woll. 73-645<sup>73</sup>  
 macrops Buch. 46-130 N.S.-N.Y.-Ore.-  
 {B.C.  
 eylandricollis 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)<sup>59</sup>  
 (*Sphenophorus* Schönh. 26-327)<sup>59</sup>  
 eugenia Satt. 43-52 Ore.

**Sitophilus** Schönh. 38-967

- (*Calendra* of foreign authors)<sup>59</sup>  
 (*Calendra* of American authors)<sup>59</sup>

**PLATYPODIDÆ****Platypus**

- wilsoni Swaine 16-97 (not 15-48)<sup>76</sup>

**SCOLYTIDÆ****Xylocomesus** Thatcher 40-89<sup>77</sup>**Pagiocerus**

- frontalis Fab. 01-389 N.C. Fla. Cuba  
 rimosus Eich. 68-148<sup>78</sup>

**Renocis** Csy. 86-257<sup>79</sup>

- \* (*Pseudocryphalus* Swaine 17-20)<sup>79</sup>  
 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.

<sup>32</sup> Buchanan in litt.<sup>59</sup> Buchanan in litt.<sup>68</sup> Brown in litt.<sup>69</sup> Hagen-46.<sup>70</sup> Brown in litt. & Buchanan in litt.<sup>71</sup> Schoof-42.<sup>72a</sup> Csiki-36 and Buchanan in litt.<sup>72</sup> Zimmerman-40.<sup>73</sup> Buchanan-46.<sup>74</sup> Buchanan-42; transferred from Scolytidæ.<sup>75</sup> Buchanan-46; key to species of group I.<sup>76</sup> W. J. Chamberlin in litt.<sup>77</sup> Transferred to Curculionidæ—Cossoninæ,  
 Buchanan-42.<sup>78</sup> Eggers-28.<sup>79</sup> Blackman-40; revision and key.

- criddlei (Swaine) 17-21 Man.  
 penicillatus Bruck 33-239 Colo. Ut. Ariz. Cal.
- Phloeosinus** Chapuis 69-37<sup>50</sup>  
 \* 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.  
   *minutus* || Swaine 17-9<sup>50</sup>  
 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 24-148<sup>50</sup>  
 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.) 68-147<sup>50</sup> [Neb.  
   *haagii* (Eich.) 68-148<sup>50</sup>  
   *enixus* Blackm. 21-56<sup>50</sup>  
 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.
- Carphobius** Blackm. 43-398  
 arizonicus Blackm. 43-398 Ariz.
- Leperisinus**  
 hoferi Blackm. 43-394 N.M. Ariz.  
 oregonus Blackm. 43-396 Ore.
- Pseudohylesinus** Swaine 17-11<sup>50</sup>  
 \* 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.  
 ?obesus 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  
 (*Tomiscus* Latr. 02-203)<sup>81</sup>  
 (*Hylurgus* Latr. 07-274)<sup>81</sup>  
 pusillus Blackm. 41-23 Fla.  
 parvus Blackm. 41-24 N.M. Ariz.  
 minutus Blackm. 41-25 Mont. Nev. Cal.  
   [Ore.  
 subopacus Blackm. 41-9 Colo. N.M.  
   [Utah  
 webbi Blackm. 41-10 S.D. Mont.  
 porculus Er. 36-49  
   *swainei* Eggers 34-25<sup>81</sup>  
 canadensis Blackm. 41-15 Man.  
 fulgidus Blackm. 41-18 N.M. Ariz.  
 nigrinus Lec.<sup>82</sup> Cal.
- Pseudothysanoes** Blackm. 20-46  
 (*Pseudothysantes* G.N.Wolcott 36-  
   [318]  
 (*Pseudothysantes* G.N.Wolcott 36-  
   [595]  
 huachucae Blackm. 43-355 Ariz.
- Micracinae**<sup>83</sup>
- Hyloenus** 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**  
 subnitida Blackm. 43-350 Ariz.
- Thysanoes**<sup>84</sup>  
 texanus Blackm. 43-352 Tex.  
 vachelliae Blackm. 43-354 Tex.  
   \* \* \*
- Stenoelyptus** Blackm. 43-356  
 rhois Blackm. 43-357 Cal.  
 ceanothi Blackm. 43-358 Cal.
- Cryptocleptes**<sup>84</sup>  
 acaciae Blackm. 43-362 Tex.
- Hypocryphalus** Hopk. 15-41  
 magniferae (Stebb.) 14-542 Fla. Brazil  
   [India<sup>85</sup>
- Coccotrypes**  
 dactyliperda (Fab.) Cal. L.Cal. Old  
   [World<sup>86</sup>
- Tachyderes** Blackm. 43-35  
 floridensis Blackm. 43-36 Fla. Tex. Mex.

<sup>50</sup> Blackman—42; revision and key.<sup>81</sup> Blackman—41.<sup>82</sup> Linsley & Michener—43; (apparently *Hylastes nigrinus* Mannh.).<sup>83</sup> Blackman—43; key to genera.<sup>84</sup> Blackman—43; key to species.<sup>85</sup> W. H. Anderson in litt.<sup>86</sup> Linsley—43.



**Ips**

swainei R.Hopp. 39-169

B.C.

**Xylechinus**

montanus Blackm. 40-123

Mont.

**Xylosandrus** Rtttr. 13-32zimmermanni (Hopk.) 15-68<sup>87</sup>

Fla.

germanus (Bldfd.)<sup>88 89</sup>N.Y.-W.Va.-  
[Ohio Orient**Dryocetes**granicollis (Lec.) 68-162 [add parentheses]<sup>76</sup><sup>76</sup> W. J. Chamberlin in litt.<sup>87</sup> Transferred from Anisandrus, W. H. Anderson  
in litt.<sup>88</sup> W. D. Buchanan—40.<sup>89</sup> 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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- Arnett, R. H., Jr.**  
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- Arrow, G. J.**  
 43. Gen. & nomen. Lucanoid Col. <Pr.Ent.Soc.Lond.,B,12,133-143.  
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- Baldaf, W. V.**  
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- Balfour-Browne, J.**  
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 40. Gen. names of Br.Hydradephaga . . . <Gen.Names Br.Ins.,7,202-207.
- Balthasar, V.**  
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\* *Ctenicera crassa* Lec. according to M.C.Lane (Jewett in litt.).

43. (Pp. 783-785, see Knowlton & Wood)  
 45. Insects of *Lupinus* <Bull.Br.Ent.Soc.,40,110.  
 45. (Pp. 91-96, see Knowlton & Wood)  
 46. Feeding notes . . . two . . . lizards <Herpetologica,3,143-144.  
 46. (P. 384, see Knowlton & Harmston)  
 46. (Pp. 382-383, see Knowlton, Maddock, & Wood)
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 46. Ins. food of . . . bluebird <Jl.Econ.Ent.,39,384.
- Knowlton, G. F. and Maddock, D. R.**  
 43. Ins.food of west. meadowlark <Great Basin Nat.,4,101-102.
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 46. Insect food of . . . swift <Jl.Econ.Ent.,39,382-383.
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 43. . . . ins. food of w. sparrow <Amer.Midl.Nat.,30,783-785.  
 45. Distr. notes . . . Utah Coleop. <Utah Ac.Sci.,23,91-96.
- Knull, J. N.**  
 39. Four n. Ariz. Coleoptera <Ann.Ent.Soc.Amer.,32,27-31.  
 40. Four n.spp. of west. Col. <Ann.Ent.Soc.Amer.,33,555-559.  
 40. A n. Acmaeodera from . . . s.w. <Ohio Jl.Sci.,40,36.  
 40. Two new Buprestidae <Ohio Jl.Sci.,40,362-363.  
 41. New spp. of Haplidus <Ann.Ent.Soc.Amer.,34,317.  
 41. New Coleoptera <Ann.Ent.Soc.Amer.,34,691-695.  
 41. Two n. Texas Buprestidae <Ent.News,52,98-100.  
 41. New Texas Agrilus <Ent.News,52,283-284.  
 41. Nine new Coleoptera <Ohio Jl.Sci.,41,381-388.  
 42. Two new Buprestidae <Ann.Ent.Soc.Amer.,35,390-392.  
 42. New Cerambycidae <Ent.News,53,224-227.  
 43. Two new Chrysobothris <Ann.Ent.Soc.Amer.,36,34-36.  
 43. A new Chrysobothris <Ohio Jl.Sci.,43,42.  
 44. Notes on Agrilus . . . 2 n.spp. <Ann.Ent.Soc.Amer.,37,75-83.  
 44. New Coleop. with notes <Ohio Jl.Sci.,44,90-93.  
 45. A n.sp. Agrilus from Ky. <Ohio Jl.Sci.,45,80-81.  
 46. A n.sp. of Dirhagus <Ann.Ent.Soc.Amer.,39,246-247.  
 46. Two new Stenosphenus <Ent.News,57,253-255.  
 46. Long-horned beetles of Ohio <Ohio Biol. Surv.Bull.39,133-354.  
 46. N.sp. of Tillus from Ariz. <Ohio Jl.Sci.,46,72.  
 46. N.sp. of Aplastus . . . Idaho <Ohio Jl.Sci.,46,142.  
 47. Two new Elateridae <Ent.News,58,90-92.  
 47. New Elateridae . . . notes Eucnemidae <Ent.News,58,177-181.  
 47. New sp. Hippoclas <Ent.News,58,210-212.  
 47. New N.Amer. Coleoptera <Ohio Jl.Sci.,47,69-73.  
 47. New Buprestidae with notes <Ohio Jl.Sci.,47,174-176.
- Lanchester, H. P.**  
 39. Ext. anat. of larva of (*Limonius*) <U.S.D.A.Tech.Bull.693, 40 pp.  
 41. Larva of *Limonius consimilis* <Ann.Ent.Soc.Amer.,34,367-376.  
 47. Larval det. of six . . . *Limonius* <Ann.Ent.Soc.Amer.,39,619-626.
- Lane, F.**  
 47. Tipos e . . . sinonimia . . . *Canthonini*, I. <Papeis Avulsos,7,171-179.  
 47. Tipos y sinonimia de *Canthonini*. II. <Papeis Avulsos,8,109-121.
- Lane, M. C.**  
 41. 3 n. Elateridae from Pac.n.w. <Pan-Pac.Ent.,17,133-139.  
 41. (Pp. 118-122, see Lane & Fisher)
- Lane, M. C. and Fisher, W. S.**  
 41. Notes on Schaeffer types <Bull.Br.Ent.Soc.,36,118-112.
- La Rivers, I.**  
 40. Note on *Euchroma goliath* <Jl.Ent.Zool.,32,103.  
 42. A n. Trogloclerus from Nev. <Ann.Ent.Soc.Amer.,35,435-440.  
 43. List of Eleodes of Nevada <Jl.Ent.Zool.,35,53-61.  
 46. On the genus *Trogloclerus* <Ent.News,57,35-44.  
 46. Food habits of *Feronia ater* <Pan-Pac.Ent.,22,102.  
 46. A fortuitous beer trap <Pan-Pac.Ent.,22,117.  
 46. New weevil . . . for Nevada <Pan-Pac.Ent.,22,132.  
 46. List of Cinclelidae . . . in Nev. <Pan-Pac.Ent.,22,135-141.  
 46. Annot.list Carabinae . . . Nev. <Bull.S.Cal.Ac.Sci.,45,133-140.  
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47. Synopsis of . . . Edrotes <Ann.Ent.Soc.Amer.,40,318-328.  
47. Synon. in Coniontellus <Ent.News,58,213-214.
- Larson, N. P.**  
43. . . . blister beetle triungulins <Pr.S.Dak.Ac.Sci.,23,31-32.
- Latta, R.**  
46. (Pp. 1-24, see Doucette & Latta)
- Leconte, J. L.**  
61. Classif. of Col. Pt. I. <Smiths.Misc.Col.,3,1-208.  
62. Classif. of Col. Pt.I, cont. <Smiths.Misc.Col.,3,209-278.
- Leech, H. B.**  
39. Nearctic spp. of *Agabus* <Can.Ent.,71,217-224.  
39. Three n.spp. of rove beetles <Can.Ent.,71,258-261.  
40. *Dineutus* in California <Pan-Pac.Ent.,16,74.  
40. New sp. *Laccornis* with key <Can.Ent.,72,122-128.  
41. Note on spp. of *Agabinus* <Can.Ent.,73,53.  
41. Species of *Matus* . . . <Can.Ent.,73,77-83.  
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41. Male of *Hydroporus coelamboides* <Can.Ent.,73,96.  
41. Two n.spp. of *Hydroporus* <Pan-Pac.Ent.,17,129-132.  
41. Generic name *Thermonectus* <Can.Ent.,73,197.  
41. Dates of 2 articles by LeConte <Ent.News,52,290-291.  
41. Rev. of Balfour-Browne <Ann.Ent.Soc.Amer.,34,808.  
42. Mandibular shapes in . . . *Thermonectus* <Can.Ent.,74,56.  
42. Dimorphism in wings *Ag. bifarius* <Ann.Ent.Soc.Amer.,35,76-80.  
42. New . . . Nearctic . . . *Agabus* <Can.Ent.,74,125-136.  
42. Key to nearct.gen. of *Agabini* <Ann.Ent.Soc.Amer.,35,355-362.  
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42. *Agabus ontarionis* Fall <Pr.Ent.Soc.B.C.,39,22.  
42. *Gyrinus pectoralis* LeC. [in B.C.] <Pr.Ent.Soc.B.C.,39,35.  
43. *Tribolium madens* in B.C. <Can.Ent.,75,40.  
43. *Berosus exilis* LeC. a *Hemiosus* <Pan-Pac.Ent.,19,64-62.  
43. Note on *Thermonectus* <Can.Ent.,75,145.  
43. Rec. of beetles in B.C. <Pr.Ent.Soc.B.C.,40,26-27.  
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44. *Laccophilus shermani*, new sp. <Ent.News,55,4-6.  
44. *Phymatodes dimidiatus* in timber <Can.Ent.,76,211.  
44. Note on *Dalopius tristis* <Pr.Ent.Soc.B.C.,41,25.  
44. . . . *Orestioides robusta* in B.C. <Pr.Ent.Soc.B.C.,41,36.  
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45. *Limonium rufihumeralis* in B.C. <Pr.Ent.Soc.B.C.,42,26.  
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 43. (Pp. 75-79, see Linsley & Michener)  
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 43. (Pp. 101-102, see Knowlton & Maddock)  
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 39. Notes on the Meloïdae < Pan-Pac. Ent., 15, 65.
- Malkin, B.**  
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 41. N. loc. for Cantharis cartwrighti < Bull. Br. Ent. Soc., 36, 96.  
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 41. Triachus vacuus Lec. < Bull. Br. Ent. Soc., 36, 183.  
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 41. Add. to N.J. list of Col. < Jl. N. Y. Ent. Soc., 49, 285-291.  
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 43. Toxotus spinosus in Utah < Bull. Br. Ent. Soc., 38, 127.  
 43. Cat. of Ore. Coccinellidae < Jl. N. Y. Ent. Soc., 51, 191-198.  
 43. Zuphium americanum in Ore. < Pan-Pac. Ent., 19, 52.

43. N.rec. of Ore. Chrysomelidae <Pan-Pac.Ent.,19,74.  
 43. Two n. Coccinellidae from Ore. <Pan-Pac.Ent.,19,109-111.  
 44. N.spp. of Boletobius from N.-w. <Pan-Pac.Ent.,20,23-30.  
 45. Suppl. to N.Y. list, no. 6. <Jl.N.Y.Ent.Soc.,53,91-116.
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 39. *Scotochroa* and n.g. *Scotochroides* <Can.Ent.,71,181-183.  
 39. Review of *Serropalpus* <Can.Ent.,71,237-239.  
 40. A n.sp. of *Haliphus* <Psyche,47,57-59.  
 42. Review of *Anelpistus* <Can.Ent.,74,186-193.
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 47. Notes. . . *Hippomelas* . . . *Chrysobothris* <Pan-Pac.Ent.,23,40-42.  
 47. . . . exten. of *Oeme gracilis* <Pan-Pac.Ent.,23,43.  
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 39. New tropical African Curcul. <Ann.Mag.Nat.Hist.,(11),3,561-583.  
 44. Genera of tribe *Cyphicerini* <Ann.Mag.N.H.,(11),11,73-98.
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 44. New *Tanaops* from N. Mex. <Can.Ent.,76,164-166.  
 45. Note on *Hyperaspidius* <Can.Ent.,77,177-178.  
 46. Studies in the *Malachiidae* <Can.Ent.,78,183-195.
- Massey, C. L.**  
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- Mathers, W. G.**  
 40. *Anisandrus pyri* in B. C. <Can.Ent.,72,189-190.
- Matsumura, S.**  
 35. [Desc. *Metademius tabacci* n.sp.] <Dainippon Gaichuzensho,2,234
- McCauley, R. H., Jr.**  
 38. Revision of *Microrhopala* <Bull.Br.Ent.Soc.,33,145-169.
- McClay, A. T.**  
 43. (Pp. 1-27, see Cazier & McClay)
- McGrath, R. M. and Hatch, M. H.**  
 41. Col. of Wash., *Sphaeritidae*, *Histeridae* <Un.Wash.Pub.Biol.,10,47-91.
- McKey-Fender, D.** (Dorothy M. Fender)  
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 44. Notes on *Cantharis*, II. <Pan-Pac.Ent.,20,20-22.  
 45. (Pp. 79-80, see Macnab & McKey-Fender)
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 46. Desc. of n.spp. Col. of U.S. <Pr.Ac.N.S.Phila.,3,53-66. (Not 1847).
- Mcquignon, A.**  
 39. Obs. noms de genres. III. *Buprestis* <Bull.Soc.Ent.Fr.,44,48-50.
- Michelbacher, A. E.**  
 39. (Pp. 166-169, see Michelbacher and Ross)  
 40. . . . Class. Ins . . . (*Hypera*) <Pr.6 Pac.Sci.Cong.,4,403-405.  
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 44. (P. 120, see Smith & Michelbacher)  
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 39. Giant palm borer . . . L. Cal. <Cal.Dep.Ag.Bull.,28,166-169.
- Michener, C. D.**  
 43. (Pp. 75-79, see Linsley & Michener)
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- Milliron, H. E.**  
 39. A n.sp. of *Perimegatoma* <Ann.Ent.Soc.Amer.,32,570-574.
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 39. New sp. of *Amara* from Washington <Bull.Br.Ent.Soc.,34,215-218.
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40. Some large beetles of Md. <Bull.N.H.Soc.Md.,10,55-63.
- Morrison, F. O.**  
41. Imported carabid beetle <Can.Ent.,73,217-218.
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63. [See 1839; second edition]
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40. A n.name: Elmidae <Pr.Ent.Soc.Wash.,40,48.
- Navajas, E.**  
47. Os genotipos da fam. Fulcidacidae <Papeis Avulsos,7,243-246.
- Nunenmacher, F. W.**  
40. Studies on the spp. of Omus <Pan-Pac.Ent.,16,143-144.  
44. N.sp. of Zacotus <Pan-Pac.Ent.,20,12.  
44. Stud. on Coccinellidae—No. 9. <Pan-Pac.Ent.,20,144-146.  
46. Stud. on Coccinellidae, No. 10. <Pan-Pac.Ent.,20,72-73.
- Obenberger, J.**  
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39. Über . . . Schizopini <Arb.morph.tax.Ent.,6,254-265.  
39. Xenorhipis gr . . . N.A. <Vest.Cs.Zool.Spol.,6,7,330-339.  
40. Chrysobothris formis novis <Sborn.ent.Praze,18,79-106.  
42. . . . Anthaxia amer.bor.sp.novis <Cas.Cs.Spol.Ent.,39,127-129.  
44. Amer.bor.gen.Melanophila <Sborn.ent.Praze,21/22,317-322.
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37. Changements de noms de genres <Bull.Ann.Soc.Ent.Belg.,77,423-432.  
38. En marge de l' "opinion" II . . . <Bull.Ann.Soc.Ent.Belg.,78,37-47.  
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43. List of Elateridae of Iowa <Pr.Iowa Ac.Sci.,50,341-344.
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41. (Pp. 716-717, see Luginbill & Painter)
- Palm, C. E.**  
39. The Charles Schaeffer Collection <Bull.Br.Ent.Soc.,34,80.
- Pao Chu**(see Chu, H.-F.)
- Parker, F. H.**  
47. New Paratyndaris from Ariz. <Bull.Br.Ent.Soc.,42,31-33.
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46. Add.distr. of Typoph.viridicyaneus <Jl.Kans.Ent.Soc.,19,11-12.
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39. Key to n.world Amphicrossus <Bull.Br.Ent.Soc.,34,59-60.  
43. Rev. nearctic Nitidulidae <Bull.M.C.Z.,92,121-278.
- Pascoe, F. P.**  
80. New neotrop. Curculionidae, I. <Ann.Mag.N.H.,(5),5,419-428.
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39. Keys to orders of immat. ins. <Ann.Ent.Soc.Amer.,32,267-278.
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03. Renseignements . . . Coleop . . . Cal. <Bull.Soc.Ent.Fr.,1903,339-340.  
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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

<b>Calosoma</b> semilaeve Lec.	La Brea-Pleist. <sup>1 2</sup>
<b>Bembidion</b> everestae Pierce 44-11 OCHTHEDROMUS Lec. davidae Pierce 44-7	Kern-Mioc. Cuyama-Mioc.
<b>Pterostichus</b> sp.	La Brea-Pleist. <sup>1 2 3</sup>
<b>Amara</b> insignis Dej.	La Brea-Pleist. <sup>1 2</sup>
<b>Platynus</b> funebri Lec.	La Brea-Pleist. <sup>1 2</sup>

## DYTISCIDAE

<b>Dytiscus</b> marginicollis Lec.	La Brea-Pleist. <sup>1 2</sup>
<b>Cybister</b> explanatus Lec.	Kern-Pleist. <sup>2 3</sup>
<b>Hydrous</b> triangularis (Say)	Kern-Pleist. <sup>2 3</sup>

## HYDROPHILIDAE

<b>Hydrophilus</b> sp.	Kern-Pleist. <sup>2 3</sup>
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## TENEBRIONIDAE

<b>Nyctoporis</b> Esch. 31-11 ( <i>Nyctoporus</i> Pierce 44-2) carinata Lec.	La Brea-Pleist. <sup>2 3</sup>
<b>Eulabis</b> ?laticornis Csy.	La Brea-Pleist. <sup>2 3</sup>
<b>Eleodes</b> omissa Lec. grandicollis Mannh. <i>elongata</i> Grinn. <sup>2 4</sup> distans Blaisd.	La Brea-Pleist. <sup>2 3</sup> La Brea-Pleist. <sup>1 2 3 4</sup> La Brea-Pleist. <sup>2 4</sup>

<sup>1</sup> Essig-31 (after Grinnell-08).

<sup>2</sup> Pierce-44.

<sup>3</sup> Essig-31.

<sup>4</sup> Essig-31 (after Blaisdell-09).

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

## SCARABAEIDAE

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

## CERAMBYCIDAE

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

<sup>1</sup> Essig-31 (after Grinnell-08).<sup>2</sup> Pierce-44.<sup>3</sup> Essig-31.<sup>4</sup> Essig-31 (after Blaisdell-09).<sup>5</sup> Transferred from Spondylis, Linsley-42.<sup>6</sup> Transferred from Blaphidion, Linsley-42.<sup>7</sup> Transferred from Leptura, Linsley-42.<sup>8</sup> Generic name changed, Linsley-42.<sup>9</sup> Transferred from Callidium, Linsley-42.

**Cyllene**

florissantensis (Wickh.) 14-464 <sup>10</sup>

**Arhopalus**

(*Criocephalus* Muls. 39-63) <sup>8</sup>

pavitus (Ckll.)

**Psapharochrus** Thoms. 65-544

(*Psapharochus* Linsley 42-37)

lengii (Wickh.) 14-265 <sup>11</sup>

<sup>8</sup> Generic name changed, Linsley-42.

<sup>10</sup> Transferred from *Clytus*, Linsley-42.

<sup>11</sup> Transferred from *Acanthoderes*, Linsley-42.

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