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FOURTH  
SUPPLEMENT  
1933 to 1938 (inclusive)

to

THE LENG CATALOGUE

of

COLEOPTERA

of

AMERICA, NORTH OF MEXICO

By

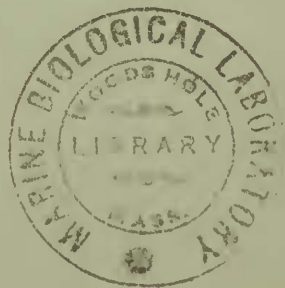
RICHARD E. BLACKWELDER

Assistant Curator

in charge of

Coleoptera

AMERICAN MUSEUM OF NATURAL HISTORY



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Mount Vernon, N. Y.  
JOHN D. SHERMAN, JR.

December

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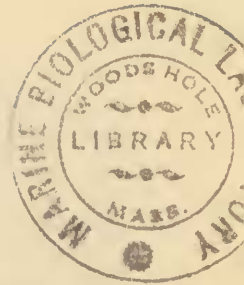
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JOHN D. SHERMAN, JR.  
Mount Vernon  
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## INTRODUCTION

This fourth supplement to Mr. Leng's catalog of North American Coleoptera is offered by the compiler and by the publisher with the hope that it may help to alleviate a condition which has led to a widespread desire for a complete new catalog. Since there appears to be little chance of financing such a new catalog in the near future, it has been thought worth while to prepare another supplement which would fill some of the more obvious needs.

It is probable that a great many entomologists have no conception of the amount of work involved in the preparation of a bibliographic catalog for publication. The writer, when he undertook the present task, anticipated at most a two or three month job. Work was started about the first of March and has occupied most of the compiler's time continuously till the middle of October. It is doubtful if the work could have been undertaken if it had been known that it would involve such an outlay in time and study.

Although this supplement includes many changes in make-up from that followed in the previous supplements (as will be explained below), it has been the endeavor of the compiler to make it as useful as possible in connection with the original catalog and the other supplements. Although Mr. Leng has not had an active part in this work, all proposed changes in procedure have been examined by him and do, I believe, have his complete approval.

In my opinion it is due principally to the excellence of the original catalog that it is possible to issue supplements which can give any satisfaction. Few coleopterists have contributed so largely to the work of all their colleagues as Mr. Leng, and few large works have been so completely constructive in their nature or so universally indispensable as the "Leng Catalog".

It would seem to be axiomatic that the fourth of a series of supplements should conform in procedure and treatment with the previous parts. In spite of this a glance at the present work will suffice to show that it departs widely from the other supplements. The reasons for these changes are outlined below.

The primary cause of changes in make-up of the supplement was the desire to save space. The complete division of the page into

two columns and the omission of numbers have together increased the space available by twenty to thirty percent. The first of these changes will scarcely be noticed by users of the catalog. The second may meet with disapproval of some, but in its defense may be mentioned the substantial amount of space saved which has been used for the inclusion of revisionary studies.

The second important departure from the previous supplements is in the matter of authorities for new synonyms, records, and other changes. It has been felt that a summary of the compiler's opinions on the status of species and classifications (such as the original catalog properly included to some extent) was of less interest in the supplement than an accurate reporting of what has been published during the last six years and who published it. Accordingly nearly every new proposal is accompanied by a citation to the author of that proposal.

It has been the aim of the compiler to include all new species described up to January, 1939, all synonymy proposed up to the time the manuscript was completed (about September 1, 1939), all new records for North America with synonyms, all contributions to the classification of beetles, and all revisionary studies, whether of families, genera, or groups of species.

Bibliographic references are made as in the catalog by giving the author, date, and page. An indication of distribution is given. Italics have been used always for synonyms, and generic synonyms are in addition placed in parenthesis. Names which were proposed for categories less than species are preceded by a letter denoting the category assigned to them by the writer quoted. These are arranged in indented form to emphasize their status lower than species.

For the first time subgenera are definitely indicated as such. These names are strongly indented and are printed in Roman capitals. Space considerations prevented the insertion of the word subgenus or an abbreviation in these cases, but once the system of type faces is understood, there should be no difficulty. Bold-face is used always for genera, italics for synonyms, and capitals for subgenera. (In the Carabidæ only there have recently been proposed some names for "sections" within certain subgenera. These have been printed in small capitals and still more indented than the subgenera.)

Two uses are made of the asterisk (\*). Wherever there has been recently published a presumably complete revision of a genus, an asterisk is placed at the left hand margin immediately below the generic name. Any other items which were not included in the revision are separated from the latter by a row of three as-

terisks. Thus the three asterisks always denote the end of a revision or of a subgenus, or of a special rearrangement of genera as mentioned in a footnote.

One of the characteristics of human endeavor is the occasional mistake that is almost inevitably to be found. The most concentrated effort will not prevent a few errors from marring any work. These are generally taken for granted and are scarcely noticed unless they are present in unusual numbers. While examining the sources of the present compilation, the writer was forced to the conclusion that an entirely disproportionate number of the errors in our taxonomic papers on beetles has been made by a relatively small number of workers. For the most part these are errors due to carelessness or indifference, and they usually result from failure to ascertain all the facts or from one's being in too great a hurry to get papers published. A few of these are mentioned in footnotes in the text. Among the more common and very unfortunate errors may be mentioned the following: The renaming of preoccupied genera and species for which there was already one or more available names; failure to give the author of a homonym an opportunity to rename it; changing the name of a genus or species because of page precedence; citing a synonym in parenthesis between the generic and specific names, as *Mylabris (Bruchus) atomus*, where *Bruchus* is not used as a subgenus; failure to follow the Rules strictly in the matter of accepting or correcting the original spelling of names; and extreme carelessness in giving references to older species and in the spelling of the names themselves.

Most of these errors have been copied into the supplement without specific comment, but attention is directed to some by footnotes. In most cases in which there have been changes made by the compiler, this fact is indicated. But in general responsibility and authority for all items are placed directly back on the entomologist who published them. An exception to this statement must be noted in the matter of the bibliographic references. Many of these have been corrected by independent study, and wherever there was a discrepancy the original catalog has been followed (unless ample reasons have been published for the change).

Many of the entomologists whose recent work is included in this supplement were kind enough to check the preliminary lists of their publications. One hundred and one such lists were sent out, and about 85 were returned with the necessary additions or corrections. Many important oversights were thus corrected, and many new items were contributed by these workers from their own studies. Grateful acknowledgment is made to all these friends.

## 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.

a. aberration.

n. natio, used by Breuning as a category between subspecies and aberration.

s. subspecies.

v. variety.

## COLYDIIDÆ

RHAGODERINI<sup>28</sup>

## ORTHO CERINI

Rhagodera<sup>29</sup>

## CORTICINI

Anchomma<sup>29</sup>

\* \* \*

Phlœonemus

*(adhærens* Shp., not No. American)<sup>29</sup>Microsicus<sup>30</sup>parvulus Guer. 29-189<sup>30</sup> S.U.S. Mex.  
setosus Shp. 94-456<sup>30</sup>Lasconotus Er. 46-258<sup>31</sup>*(Illestus* Pascoe 63-33)<sup>29</sup>*(Lado* Wankow. 67-249)<sup>29</sup>*(Othismopteryx* Sahlb. 71-44)<sup>29</sup>

Aulonium

bidentatum Fab. 01-556<sup>32</sup> L. Cal. C.A.  
[W.I.]Lapethus Csy. 90-317<sup>33</sup>*(Lytopeplus* Shp. 95-494)*(Brachylon* Gorh. 98-256)

## LATHRIDIIDÆ

Corticaria

linearis Payk. 98-302<sup>34</sup> Eur. Sib.  
[Greenl.]

Enicmus

tricarinatus Brown 34-22 Sask.

## MYCETÆIDÆ

Stethorhanis

borealis Blais. 34-325 B.C.

<sup>28</sup> This tribe unnecessary, the genera placed elsewhere, Hinton—35.<sup>29</sup> Hinton—35.<sup>30</sup> Hinton—36.<sup>31</sup> This name was not validated by Erichson in 1845 (1846). Hinton—35 credits it to Leconte 59-282 but Lacordaire was earlier.<sup>32</sup> Fall—34.<sup>33</sup> Placed in Murmididæ by Leng but in Colydiidæ by Hinton—36.<sup>34</sup> Carpenter—38.

## COCCINELLIDÆ

Hyperaspis

leachi Nunen. 34-19 Cal.  
biornatus Nunen. 34-18 Cal.  
fimbriolata Melsh. 46-180  
s.marginatus Gaines 33-263 Tex.

Hyperaspidius

horni Nunen. 34-19 N.J.

Scymnus

maderi Nunen. 37-183 Cal.  
*quercus* || Nunen. 34-18  
scotti Nunen. 34-17 Cal.  
schuberti Nunen. 34-17 Ariz. Cal.

Coccidula

suturalis Weise 95-132<sup>35</sup> Vanc.-N.J.  
*occidentalis* Horn 95-114<sup>35</sup>

Psyllobora

plagiata Schffr. 08-125 Ariz.  
*kabelei* Nunen. 11-71<sup>36</sup>

Ceratomegilla

cottlei Nunen. 34-20 Wyo.

Adonia

amœna Fald. 35-453<sup>37</sup> Alaska, Asia

Hippodamia

hoppingi Nunen. 34-21 Cal.  
lunatomaculata Mots. 45-382  
a.lengi Joh. 10-865<sup>38</sup> Cal.  
*nigromaculata* Nunen. 34-20 (Ad-  
[alia])<sup>38</sup>

Cleis

concolor Crotch 74-142<sup>38</sup> Mex. ?Tex.Anatis Muls. 51-133<sup>39</sup>\* ocellata Linn. 58-366<sup>39</sup> Eur. Sib.  
s.halonis Lew. 96-28<sup>39</sup>  
s.mali Say 24-93<sup>39</sup> N.H.-N.J.-Wash.  
*labiculata* Say 35-288<sup>39</sup>  
rathvoni Lec. 52-132<sup>39</sup> Cal. Ore. Ida.  
s.lecontei Csy. 99-98<sup>39</sup> Ariz. N.M.  
[Colo. Wis.]  
quindecimpunctata Oliv. 08-1027<sup>39</sup>  
[Can.-N.C.-Ark.-Ill.]  
*caseyi* Westc. 12-422<sup>39</sup>  
*signaticollis* Muls. 50-134<sup>39</sup> [Ill.]

Exochomus

californicus Csy. 99-107<sup>40</sup> Cal. Nev.  
quatuorpusulatus Linn. 58-367<sup>40</sup> Eur.  
[Cal.]  
*quadripusulatus* Nunen. 34-113<sup>35</sup> Dodge—38.<sup>36</sup> Nunenmacher in litt.<sup>37</sup> Scott—33.<sup>38</sup> Gaines—33.<sup>39</sup> Revision of genus, McKenzie—36.<sup>40</sup> Valid species, Nunenmacher—34.



**Brumus**

blumi Nunen. 34-114 Cal.

**Epilachna**varivestis Muls. 50-815 N.A.  
corrupta Muls. 50-815<sup>41</sup>  
a.genuina Muls. 50-817<sup>36</sup>  
a.juncta Joh. 10-79<sup>36</sup>sparsa Blais. 23-237 L.Cal.  
blairi Blais. 36-888 "Cal.merid."  
tuckeri Csy. 24-297<sup>3 4</sup> Ariz.  
imperialis Blais. 36-94 Cal. Ariz.  
tanneri Blais. 36-97 Cal.  
tortugensis Blais. 36-100 L.Cal.**Eschatomoxys** Blais. 35-125

wagneri Blais. 35-125 Cal.

**Craniotis**<sup>5</sup>**Euschides**lecontella Blais. 36-227 Cal.  
v.tempestalis Blais. 36-229 Cal.  
speculatus Blais. 36-225 Cal.  
cressoni Blais. 33-191 Cal.**Eleodes**paradoxa Blais. 31-78<sup>6</sup> Cal.  
montanus Blais. 25-335<sup>6</sup>  
MELANELEODES Blais. 09-33  
lineata Blais. 39-55 Ariz.  
omissa Lec. 58-186  
s.tumida Blais. 33-194<sup>4</sup> Cal.

\* \* \*

spoliata Blais. 33-196 Ore.  
acuta Say. 23-258  
s.pernigra Blais. 37-128 Tex.  
ELEODES (s.str.)  
dentipes Esch. 29-10  
s.sordida Blais. 35-30 Cal.

\* \* \*

amedeensis Blais. 33-199 Cal. Nev.  
armata Lec. 51-134  
v.pumila Blais. 33-197 Cal.  
ARPELEODES Blais. 37-128  
tibialis Blais. 09-311<sup>7</sup> L.Cal.

\* \* \*

kaweana Blais. 33-203 Cal.  
scabriventris Blais. 33-202 Cal.  
oblonga Blais. 33-206 Cal.BLAPYLIS Horn 70-301  
indentata Blais. 35-23 Wash.  
STENELEODES Blais. 09-33  
ornatipennis Blais. 37-129 N.Mex.  
HOLELEODES Blais. 37-132  
beameri Blais. 37-132 Ariz.  
bryanti Blais. 37-134 Ariz.  
palmerleensis Blais. 37-136 Ariz.**Neobaphion**

elongatum Blais. 33-208 Nev.

**Eleodopsis** Blais. 39-52<sup>8</sup>

subvestita Blais. 39-53 Sn Nich.Id.,Cal.

<sup>5</sup> Belongs in Asidinae—Craniotini, before Asidini,

Blaisdell—37.

<sup>6</sup> Blaisdell—35.<sup>7</sup> Blaisdell—37.<sup>8</sup> Belongs in Eleodopsinae—Eleodopsini, to follow Eleodinae.**ALLECULIDÆ****Pseudocistela** Cr. 73-108<sup>42</sup>\* (Cistela of Lec. & Horn)<sup>42</sup>  
(Chromatia Lec. 61-244)<sup>42</sup>

amœna Say 23-268 Ind. O. Tex.

brevis Say 23-269 E.Can. E.U.S.

erythroptera Ziegl. 44-46

rufipes Melsh.

pinguis Lec. 59-16 N.M. Kan. Cal.

paciñca R.Hopp. 33-284 B.C. Cal.

opaca Lec. 59-78 Cal.

theveneti Horn 75-156

marginata Ziegl. 44-46

pectinata R.Hopp. 33-285 B.C.

**TENEBRIONIDÆ**<sup>1</sup>**AUCHMOBIINI**<sup>\*</sup>**Auchmobius** Lec. 51-139<sup>2</sup>\* sublævus Lec. 51-140<sup>2</sup> Cal.  
subovalis Blais. 34-238 B.C.  
slevini Blais. 34-243 Cal.  
parvicollis Blais. 34-246 Cal.  
angelicus Blais. 34-249 Cal.  
picipes Blais. 34-252 Cal.  
subboreus Blais. 34-254 Cal.  
sanfordi Blais. 34-257 Cal.

\* \* \*

**Stibia** Horn 70-260<sup>3</sup>(Eutriorophus Csy. 24-296<sup>3 4</sup>)

granulata Blais. 23-238 L.Cal.

fallaciosa Blais. 36-70 L.Cal.

puncticollis of Blais. (not Horn)<sup>3</sup>

v.interstitialis Blais. 36-73 L.Cal.

cribrata Blais. 23-239 L.Cal.

opaca Blais. 25-329 (nom.nud.)<sup>3</sup>

williamsi Blais. 25-328 L.Cal.

puncticollis Horn 70-260<sup>3</sup> Cal. L.Cal.hannai Blais. 25-329<sup>2</sup>

s.martinensis Blais. 36-83 L.Cal.

<sup>36</sup> Nunenmacher in litt.<sup>41</sup> Brown—36.<sup>42</sup> R.Hopping—33.<sup>1</sup> Blaisdell—39. (Contains discussions of relationships and components of certain subfamilies and tribes arranged in two sections: (1) Tentyrlinae, Coniointinae, Asidinae (Craniotini, Asidini); (2) Eleodinae (Eleodini, Amphidorini), Helopininae (Stenotrichini, Helopini), Blaptinae, Zopherinae, etc., etc.)<sup>2</sup> Revision of genus, Blaisdell—34.<sup>3</sup> Revision of genus, Blaisdell—36.<sup>4</sup> Blaisdell—33.