

A CATALOGUE OF THE GENUS *LIXUS* F. FOR AMERICA NORTH OF MEXICO (COLEOPTERA: CURCULIONIDAE)¹

JOHN M. KINGSOLVER

Systematic Entomology Laboratory,
Agricultural Research Service, USDA²

ABSTRACT

A catalog is presented for 28 species of *Lixus* of U. S. and Canada. Synonymy and distribution are given.

INTRODUCTION

The genus *Lixus* is represented in America north of Mexico by 28 valid species. Members of this genus are medium sized, elongated, cylindrical weevils of usually reddish brown, gray or black appearance, and are stem-borers in long-stemmed plants. About 560 species are known for the world (Csiki, 1934).

The format used herein is similar to that planned for use in the projected Catalog of North American Coleoptera. Under each name, the following items are given: author, date, page number, type locality, synonymical notes, and with distribution listed state by state after each valid name. The type locality is the first state, province, area or locality given and is set off by a semicolon.

Abbreviations used for states are those of the U. S. Postal System. The following abbreviations have been devised for the Canadian provinces listed: Alberta—AB; British Columbia—BC; Manitoba—MB; Northwest Territory—NT; Ontario—ON; Quebec—QB; Saskatchewan—SK.

LIXUS FABR.

Lixus Fabricius, 1801:498. Type-species: *Curculio paraplecticus* Linnaeus, 1758. (Latreille, 1810:430. Subseq. design.)

amplexus Casey, 1891:199. FL; SC.

mephitis Chittenden 1930:23. SC, Myrtle Beach. (N. Syn.)

asper LeConte, 1876:156. CA, Owens Valley; AZ.

aspericollis Chittenden, 1930:3. KS, Garden City; IL, KS.

buchanani Chittenden, 1930:16. IA, Lake Okoboji; MO.

caudifer LeConte, 1876:156. IL; BC, IL, MB.

concavus Say, 1831:14. IN; AR, CO, CT, DC, DE, GA, IA, IL, IN, KS, KY, MA, MD, MI, MN, MO, MS, MT, NB, NC, ND, NJ, NY, OH, OK, PA, SC, TX, UT, VA.

rectus LeConte, 1876:158. NY.

soror Casey, 1891:204. MT, Helena. (N. Syn.)

crassulus Notman, 1920:31. NY, Schoharie. (N. Syn.)

coloradensis Chittenden, 1930:4. CO. (N. Syn.)

fossus LeConte, 1876:416. FL, Enterprise; LA, MS, NJ, NY, SC, TX.

luculentus Casey, 1891:209. FL, Lake Worth. (N. Syn.)

pusio Blatchley, 1928:250. FL, Dunedin. (N. Syn.)

plucheae Chittenden, 1930:17. TX, Brownsville. (N. Syn.)

fossus ocellatus Chittenden, 1930:18. NY, Coney Is.

¹Extracted from a thesis submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy at the University of Illinois, 1961.

²Mail address: c/o U. S. National Museum, Washington, D. C. 20560.

- julichii* Casey, 1891:208. NJ; DC, IL, NJ, NY, PA, VA.
laramiense Casey, 1891:204. WY; AB, CO, IA, MA, NH, NJ, UT, WY.
bischoffi Fall, 1921:40. NJ, Berkeley Hts. (N. Syn.)
macer LeConte, 1876:160. NB; CO, DC, IA, ID, IL, IN, KS, LA, MD, MI, MO, NB, NC, OH, OK, ON, OR, TX, UT, VA, WI. (Resurrected name)
fimbriolatus of authors, not Boheman, 1836.
novellus Blatchley, 1925:101. IN, Steuben Co. (N. Syn.)
capitatus Chittenden, 1930:19. MD, Chevy Chase. (N. Syn.)
blatchleyi Csiki, 1934:120. (new name for *cavicollis* Blatchley) (N. Syn.)
cavicollis Blatchley, 1922:113. MI, St. Joseph. (preocc. Champion, 1902)
maritimus Fall, 1913:39. CA, Sta. Monica.
merula Suffrian, 1871:168. Cuba; FL, MA, TN, TX, VA.
sexualis Casey, 1891:212. TX, Austin. (N. Syn.)
mucidus LeConte, 1876:158. IL; CA, IL, IN, KS, MA, NB, ND, NJ, OH, ON, PA, QB, SD, UT.
morulus Blatchley, 1916:339. IN, Kosciusko Co. (N. Syn.)
nitidulus Casey, 1891:210. IN; AL, AR, DC, IA, IN, KS, LA, MD, MO, MS, NY, OH, PA, VA.
deceptus Blatchley, 1916:341. IN, Starke Co. (N. Syn.)
tricrostus Chittenden, 1930:12. IA, Iowa City. (N. Syn.)
obesus Casey, 1891:211. FL, Tampa; AL, FL.
loedingi Chittenden, 1930:20. AL, Mobile. (N. Syn.)
oregonus Casey, 1891:200. OR; TX.
eximius Casey, 1891:201. TX, Austin. (N. Syn.)
parvus LeConte, 1876:157. CA; AB, CA, IA, IL, IN, KS, MT, NB, OK, ON, SD, TX. (Resurrected name)
pygmaeus Casey, 1891:203. KS. (N. Syn.)
perforatus LeConte, 1876:159. CA, Ft. Tejon; CA.
perlongus Fall, 1913:39. AZ, Chiricahua Mts.; AZ.
pervestitus Chittenden, 1930:14. AZ, Phoenix; AZ, NM.
placidus LeConte, 1876:159. CO.
punctinatus LeConte, 1876:157. OH; CO, FL, IA, KS, LA, NB, NJ, OH, OK, PA, TN, TX, WI. (Resurrected name)
albisetiger Chittenden, 1930:2. TX, Brownsville. (N. Syn.)
planicollis Chittenden, 1930:13. IA, Iowa City. (N. Syn.)
elephantulus Chittenden, 1930:24. IL, Havana. (N. Syn.)
rubellus Randall, 1838:41. MA, Cambridge; AB, BC, CA, IL, MA, MB, MI, NB, NT, ON, OR, PA, QB, SD, SK, UT, VT, WI, WY.
auctus LeConte, 1860:57. OR. (N. Syn.)
scrobicollis Boheman, 1836:84. America boreal; AL, AR, CO, DC, FL, GA, IN, KS, KY, LA, MD, MI, MO, MS, NC, NJ, OH, OK, PA, SC, SD, TN, TX, VA, WV.
sylvius Boheman, 1843:430. Carolina. (N. Syn.)
laesicollis LeConte, 1876:160. TX.
acirostris Chittenden, 1930:6. NC, Black Mts. (N. Syn.)
ordinatipennis Chittenden, 1930:7. LA, Opelousas. (N. Syn.)
quadratipunctatus Chittenden, 1930:8. CO, Colorado Springs. (N. Syn.)
quadratipunctatus Chittenden, 1930:8. CO, Colorado Springs. (N. Syn.)
sylvius profundus Chittenden, 1930:9. MO, St. Louis. (N. Syn.)
ivae Chittenden, 1930:11. LA, Baton Rouge. (N. Syn.)
dissimilis Chittenden, 1930:11. GA, Barnesville. (N. Syn.)
semivittatus Casey, 1891:207. AZ, Seligman; CO, UT.
perstriatus Chittenden, 1930:5. CO, Cortez. (N. Syn.)
crassipunctatus Chittenden, 1930:9. AZ, Sta. Rita Mts. (N. Syn.)
sobrinus Casey, 1891:205. TX; AL, DC, IL, IN, LA, TX, WI.
regularipennis Chittenden, 1930:21. IN. (N. Syn.)
cleonoides Chittenden, 1930:22. TX, Stamford. (N. Syn.)
tenellus Casey, 1891:201. TX, Ft. Worth; FL, GA, SC, TX.
leptosomus Blatchley, 1914:249. FL, Sanford. (N. Syn.)
terminalis LeConte, 1876:157. Middle States; AB, CA, GA, IA, IL, IN,

KS, MA, MD, MO, MT, NB, NC, NY, OH, ON, PA, SC, SD, TN, TX, VA, WA, WI.

blakeae Chittenden, 1928:90. CA, Stanford. (N. Syn.)

UNRECOGNIZED SPECIES

Lixus lateralis Say, 1831:14, from Missouri is a secondary homonym of *L. lateralis* (Panzer), 1789:20 (*Curculio*). Based on Say's description, the name probably applies to *L. scrobicollis* Boh., but Say's type is lost, and positive identification is not possible.

Lixus marginatus Say, 1831:13. US.

Lixus musculus Say, 1831:14. LA.

Both of these species names have been used by authors, but the types are lost, and the descriptions are too ambiguous for positive association.

ADDITIONAL NOTES

Lixus fimbriolatus Boheman, 1836:42, Mexico, has been used by authors for *L. macer* LeConte. Although the 2 species are closely related, they are distinct. The name *L. fimbriolatus* should be removed from the U. S. lists.

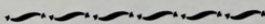
Lixus mixtus LeConte, 1876:416, is now *Cleonus mixtus* (LeConte), NEW COMBINATION.

Lixus lupinus Blatchley, 1914:248, is a synonym of *Cleonus subcylindricus* Casey, 1891: 193, NEW COMBINATION, NEW SYNONYMY.

LITERATURE CITED

- BLATCHLEY, W. S. 1914. Notes on the winter and early spring Coleoptera of Florida with descriptions of new species. Canadian Ent. 46:247-251.
- . 1916. Rhynchophora or weevils of North Eastern America. Nature Publ. So., Indianapolis, 682 p.
- . 1922. Notes on the Rhynchophora of eastern North America, with characterizations of new genera and descriptions of new species. J. New York Ent. Soc. 30:113-127.
- . 1925. Notes on the Rhynchophora of eastern North America, with descriptions of new species, III. J. New York Ent. Soc. 33:87-113.
- . 1928. Notes on the Rhynchophora of eastern North America, with descriptions of new species, IV. J. New York Ent. Soc. 36:235-262.
- BOHEMAN, C. 1836. in Schoenherr: Genera et Species Curculionidum, III. Paris.
- . 1843. in Schoenherr: Genera et Species Curculionidum, VII, 1. Paris.
- CASEY, T. L. 1891. Coleopterological Notices, III. Ann. New York Acad. Sci. 6:9-214.
- CHAMPION, G. C. 1902. Biologia Centrali-Americana, Insecta, Coleoptera, (Curculionidae: Curculioninae) 4(4):1-144.
- CHITTENDEN, F. H. 1928. Description of a new species of *Lixus* from the Pacific Region of the United States (Col., Curcul.). Proc. Ent. Soc. Washington 30(5):90-91.
- . 1930. New species of North American weevils of the genus *Lixus*. Proc. U. S. Nat. Mus. 77 (Art. 18):1-26.
- CSIKI, E. 1934. Coleopterorum Catalogus: Curculionidae, Subfamily Cleoninae. Pars. 134. Junk, Berlin. 152p.
- FABRICIUS, J. 1801. Systema Eleutheratorum, II. Kiliae. 687p.

- FALL, H. C. 1913. A brief review of our species of *Magdalis*, with notes and descriptions of other North American Rhynchophora. Trans. Amer. Ent. Soc. 39:23-72.
- . 1921. A new *Lixus* from New Jersey. Bull. Brooklyn Ent. Soc. 16:40-41.
- LATREILLE, P. A. 1810. Considérations générales sur l'ordre naturel des animaux composant les classes des Crustacés, des Arachnides, et des Insectes; avec tableau méthodique de leurs genres, disposés en familles. Paris. 444p.
- LECONTE, J. L. 1860. U. S. P. R. R. Expl. and Surveys—Zoology—47th Parallel. Report of insects collected on the survey. 72p.
- and G. H. HORN. 1876. The Rhynchophora of America north of Mexico. Proc. Amer. Philos. Soc. 15(96):1-455.
- LINNAEUS, C. 1758. Systema Naturae, X Edition, Vol. 1, Holmiae. 823p.
- NOTMAN, H. 1920. Coleoptera collected at Schoharie, N. Y., June 9-14, 1918, with descriptions of new species. J. New York Ent. Soc. 28:14-31.
- PANZER, G. W. 1789. Einige seltene Insecten beschrieben. Naturforscher, 1789, 24:1-35.
- RANDALL, J. W. 1838. New coleopterous insects of Maine and Massachusetts. Boston J. Nat. Hist. 11:1-52.
- SAY, T. 1831. Descriptions of Curculionites of North America, with observations on some of the species already unknown. New Harmony, Ind. 24p.
- SUFFRIAN, E. 1871. Verzeichniss der von Dr. Gundlach aus der Insel Cuba gesammelten Rüsselkäfer. Arch. f. Naturges. 37:128-184.



AN INTERESTING RECORD OF *TEMNOPSOPHUS*
BIMACULATUS HORN
(COLEOPTERA: MELYRIDAE)

N. M. DOWNIE

505 Lingle Terrace, Lafayette, Indiana 47901

On a recent trip to Lake Superior to collect in territory from which many of LeConte's types came, I spent the night at Menominee, Michigan. At dusk on 10 July 1970 I was sweeping weeds along the shore of Lake Michigan. The only catch of interest was a series of small anthicid-like beetles about 2.5mm in length, black with humeral spots, with the base of the pronotum orange. After an extensive literature search by me, Ross Arnett took the specimens to the U.S. National Museum and decided that they were *Temnopsophus bimaculatus* Horn of the family Melyridae. It has been recorded previously from Florida and Louisiana.



Kingsolver, John M. 1972. "A Catalogue of the Genus *Lixus* F. for America North of Mexico (Coleoptera: Curculionidae)." *The Coleopterists' Bulletin* 26(4), 151–154.

View This Item Online: <https://www.biodiversitylibrary.org/item/271415>

Permalink: <https://www.biodiversitylibrary.org/partpdf/374988>

Holding Institution

University Library, University of Illinois Urbana Champaign

Sponsored by

University of Illinois Urbana-Champaign

Copyright & Reuse

Copyright Status: In copyright. Digitized with permission of the rights holder.

Rights Holder: The Coleopterists Society

License: <http://creativecommons.org/licenses/by-nc-sa/4.0/>

Rights: <https://www.biodiversitylibrary.org/permissions/>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.