

Nomenclatural notes on Hylecoetinae (Coleoptera, Lymexylidae)

Autor(en): **Cuccodoro, Giulio**

Objektyp: **Article**

Zeitschrift: **Mitteilungen der Schweizerischen Entomologischen Gesellschaft =
Bulletin de la Société Entomologique Suisse = Journal of the
Swiss Entomological Society**

Band (Jahr): **75 (2002)**

Heft 3-4

PDF erstellt am: **13.07.2024**

Persistenter Link: <https://doi.org/10.5169/seals-402824>

Nutzungsbedingungen

Die ETH-Bibliothek ist Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Inhalten der Zeitschriften. Die Rechte liegen in der Regel bei den Herausgebern.

Die auf der Plattform e-periodica veröffentlichten Dokumente stehen für nicht-kommerzielle Zwecke in Lehre und Forschung sowie für die private Nutzung frei zur Verfügung. Einzelne Dateien oder Ausdrucke aus diesem Angebot können zusammen mit diesen Nutzungsbedingungen und den korrekten Herkunftsbezeichnungen weitergegeben werden.

Das Veröffentlichen von Bildern in Print- und Online-Publikationen ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Die systematische Speicherung von Teilen des elektronischen Angebots auf anderen Servern bedarf ebenfalls des schriftlichen Einverständnisses der Rechteinhaber.

Haftungsausschluss

Alle Angaben erfolgen ohne Gewähr für Vollständigkeit oder Richtigkeit. Es wird keine Haftung übernommen für Schäden durch die Verwendung von Informationen aus diesem Online-Angebot oder durch das Fehlen von Informationen. Dies gilt auch für Inhalte Dritter, die über dieses Angebot zugänglich sind.

Nomenclatural notes on Hylecoetinae (Coleoptera, Lymexylidae)

GIULIO CUCCODORO¹

Elateroides SCHAEFFER, 1777 is a poorly used senior synonym of the popular *Hylecoetus* LATREILLE, 1806. Eventhough *Hylecoetus* has a long credit of quotations as a valid generic name, *Elateroides* is far from qualifying as *nomen oblitum* and has prevalence over *Hylecoetus*. While there is no doubt about the identity of the species illustrated and referred to in the original publication of *Elateroides*, no species epithet was provided, and this generic name was thought as not yet typified. However, it appears that *Elateroides primus* SCHALLER, 1783, which has been overlooked since its original description, was the first available species name included in *Elateroides*. The type species of *Elateroides* is thus *E. primus* SCHALLER, 1783, which is presently considered as a junior subjective synonym of *Cantharis dermestoides* L., 1761 (**new synonymy**).

Keywords: Coleoptera, Lymexylidae, *Elateroides*, *Hylecoetus*, nomenclature, type species

INTRODUCTION

Hylecoetus LATREILLE, 1806, are mycophagous wood-boring beetles. The genus includes three species, two of them occurring in the Palaearctic region where they can cause locally damage to timber. The considerable literature dealing with identification of imagoes and larvae, distribution, bionomics, arboreal hosts, fungal association, and possible control of these potential pests generally refers to *Hylecoetus*. However, it appears that this name has a senior synonym, i.e. *Elateroides* SCHAEFFER, 1777.

DISCUSSION

In 1777, SCHAEFFER published the name *Elateroides* (masculine gender) in association with a few characters and a colour plate (plate cxxxix) figuring unambiguously *Cantharis dermestoides* Linné, 1761. Subsequently SCHAEFFER (1779 : pl. 279 figs 7 a-b) produced further illustrations of the taxon referred to as 'ELATEROIDES PRIMUS' and 'Erster [Gothic italic letters] Afterspringkäfer [Gothic standard letters]'. All the names figuring in this publication share a similar formation and typographic style, some times with a short diagnosis (up to three words, with nouns written in standard and adjectives written in italic Latin letters) inserted between the generic name and its associated spelled number (example: STENOCORUS thorace inermi DECIMUS SEXTIS). In this context, whether '*primus*' was meant as a specific epithet or not is questionable. In my opinion, SCHAEFFER's *E. primus* is not an available species name. This species epithet was made available by SCHALLER (1783: 322), who mentioned a beetle 'named *Elateroides primus*' with references to the figures of SCHAEFFER's 1779 work (ICZN 1999: Art. 12.2.7). *Elateroides primus* SCHALLER, 1783, is thus the first species included in *Elateroides* SCHAEFFER, 1777, and consequently its type species by subsequent monotypy (ICZN 1999: Art. 69.3). HARRER (1784: 237) quoted *Elateroides* (without specific epithet) as a synonym of *Meloe marci* L., 1767 (= *Cantharis dermestoides* L.) in *Attelabus* L., 1758.

¹ Muséum d'histoire naturelle, Case postale 6343, 1211 Genève 6, Suisse
giulio.cuccodoro@mhn.ville-ge.ch

Twenty years later, LATREILLE (1806: 266) considered *Elateroides* as a junior synonym of *Lymexylon* Fabricius, 1775, and erected a new genus *Hylecoetus* to accommodate *Cantharis dermestoides* L. (type species by monotypy). Occasionally misspelled *Hylecaetus*, *Hyloecetus*, *Hyloecotus* or *Xylecoethus*, LATREILLE's name *Hylecoetus* became very popular. A rapid search in our library allowed me to find that it has been used as valid during the past 50 years by at least 52 authors in 72 publications ranging from general textbooks on biology, handbooks, forestry manuals and faunistic lists to specialised studies dealing with systematics, larvae and natural history of the group.

Elateroides encountered less success, but after an eclipse of a century, it was used as the valid senior synonym of *Hylecoetus* in three major works dealing with the coleopterological faunas of Hungary (KUTHY 1897), Bohemia (KLIMA 1902) and Russia (JAKOBSON 1908), as well as in five forestry papers published in Polish journals between 1884 and 1908. A further half century passed until the precedence of *Elateroides* over *Hylecoetus* is pointed out again in the monumental series treating the entomological fauna of former USSR (KRYZHANOVSKIJ 1966). *Elateroides* was then used as valid in Poland again in half a dozen forestry papers published between 1969 and 1980 and in the catalogue of the fauna of Poland (BURAKOWSKI et al. 1986), and in Russia by NIKITSKY et al. (1998). The only usages of *Elateroides* as a valid generic name I could find out of the East European literature are credited to LAWRENCE & NEWTON (1995) and BEUTEL & POLLOCK (2000).

Meanwhile, the other authors who didn't ignore *Elateroides* quoted it erroneously either as a junior synonym of *Lymexylon* (CHENU 1860), as an invalid senior synonym of *Hylecoetus* (LACORDAIRE 1857, GEMMINGER & HAROLD 1869, SEIDLITZ 1891a & 1891b, SCHENKLING 1915, LUCAS 1920, LENG 1920, WINKLER 1925, REITTER 1911, WHEELER 1986, and CAMPBELL 1991), or as a *nomen nudum* (KUROSAWA 1985).

According to the ICZN (1999) reversal of precedence is allowed if a senior synonym has not been used as a valid name since 1899 (Art. 23.9.1.1), and if its competing junior synonym has been used as its presumed valid name in a least 25 published works by at least 10 authors during the last 50 years (Art. 23.9.1.2). *Hylecoetus* clearly meets the conditions of Art. 23.9.1.2. However, its senior synonym *Elateroides* contravenes Art. 23.9.1.1 by no less than 10 publications, half of which being systematic catalogues or faunas. In these circumstances, the Principle of Priority (Art. 23.2) applies and *Elateroides* SCHAEFFER, 1777 has preference over *Hylecoetus* LATREILLE, 1806.

CONCLUSION

The nomenclatural act and the status of names discussed above may be summarized as follows:

***Elateroides* SCHAEFFER, 1777: plate cxxxix; type species *Elateroides primus* SCHALLER, 1783, by subsequent monotypy.**

Hylecoetus LATREILLE, 1806: 266; type species *Cantharis dermestoides* LINNAEUS, 1761: 201, by monotypy.

dermestoides LINNAEUS, 1761: 201 (*Cantharis*)

primus SCHALLER, 1783: 322 (*Elateroides*) **syn. nov.**

ACKNOWLEDGEMENTS

I thank P. TUBBS (London), C. LIEHNARD and I. LÖBL (Geneva) for comments on the case, and B. LANDRY (Geneva) for checking the manuscript.

REFERENCES

- BEUTEL, R. G. & POLLOCK, D. A. 2000. Larval head morphology of *Phycosecis litoralis* (PASCOE) (Coleoptera: Phycosecidae) with phylogenetic implications. *Invertebrate Taxonomy* 14: 825-835.
- BURAKOWSKI, B., MROCKOWSKI, M. & STEFANSKA, J. 1986. Katalog Fauny Polski . Katalogus Faunae Poloniae. 23, 11. Coleoptera Dermestoidea, Bostrichoidea, Cleroidea i Lymexyloidea. 242 pp + 1 map
- CAMPBELL, J. M. 1991. Superfamily Lymexyloidea, Family Lymexylidae, p. 206. In BOUSQUET Y. (ed.), Checklist of Beetles of Canada and Alaska. Ottawa: Research Branch Agriculture Canada, vi + 430 pp.
- CHENU, J. C. 1860. Encyclopédie d'histoire naturelle ou traité complet de cette science d'après les travaux des naturalistes les plus éminents de tous les pays et de toutes les époques Buffon, Daubenton, Lacépède., G. Cuvier, F. Cuvier, Geoffroy Saint-Hilaire, Latreille, De Jussieu, Brongniart, etc., etc. Ouvrage résumant les Observations des Auteurs anciens et comprenant toutes les Découvertes modernes jusqu'à nos jours. Coléoptères. Staphyliniens, Pselaphiens, Dermestiens, Ptiniens, Clériens, Malachiens, etc. vol. 2. Paris: Marescq et Co. 312 pp., 40 pls.
- GEMMINGER, M. & HAROLD, de B. 1869. Catalogus Coleopterorum hucusque descriptorum synonymicus et systematicus. Tom. VI. Rhipidoceridae, Dascillidae, Malacodermidae, Cleridae, Lymexylonidae, Cupesidae; Ptinidae, Bostrichidae, Cioidae. Monachii; Sumptu E. H. Gummi. pp 1609-1800 + 5.
- HARRER, G. A. 1784. Beschreibung derjenigen Insecten welche Herr D. Jacob Christoph Schäffer in CCLXXX ausgemahlten Kupfertafeln unter dem Titel Icones Insectorum circa Ratisbonam Indigenorum ehemals in drei Theilen herausgegeben hat. I. Theil hartschaalige Insecten. Regensburg, Renserschen Verlag, 328p
- ICZN, 1999. International code of Zoological Nomenclature. Fourth Edition adopted by the International Union of biological Sciences. London: The International Trust for Zoological Nomenclature, XXIX + 306 pp.
- JAKOBSON, G. G. 1908. Zhuki Rossii i Zapodnoi Evropi. Rukovodstvo k" Opredelelnijn zhukov". Part. VI. St. Petersburg: A. F. Devrient, pp. 401-480 + 8 pls [in Russian].
- KLIMA, A. 1902. Catalogus insectorum faunae bohemicae. vi. Die Käfer (Coleoptera). Prag: Gesellschaft für Physokratie in Prag, vii + 226 pp.
- KRYZHANOVSKIJ, O. L. 1966. 34. Fam. Lymexylonidae, p. 221. In: MEDVEDEV, G. S. (ed.), Opredelitel' Nasekomykh Evropeiskoi Chasti SSSR. Vol. 2. Leningrad: Akademia Nauk SSSR Zoologicheskii Institut.
- KUROSAWA, Y. 1985. Revisional Notes on the Family Lymexylonidae (Coleoptera) in Eastern and Southeastern Asia. *Bulletin of the National Science Museum, Tokyo, ser. A (Zoology)* 11: 109-119.
- KUTHY, D. 1897. Ordo. Coleoptera, 215 pp + 1 map. In: PASZLAWSZKY, J. (ed.): A Magyar Birodalom állatvilága. A Magyar Birodalomból eddig ismert állatok rendszeres lajstroma. (Fauna Regni Hungariae. Animalium Hungariae hucusque cognitorum enumeratio systematica.) III. Arthropoda. (Insecta.Coleoptera). Budapest: Királyi Magyar Természettudományi Társulat.
- LACORDAIRE, J. T. 1857. Histoire naturelle des Insectes: Genera des Coléoptères, ou exposé méthodique et critique de tous les genres proposés jusqu'ici dans cet ordre d'Insectes. Paris: Roret, 579 pp.
- LATREILLE, P. A. 1806. Genera Crustaceorum et Insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata, vol. 1. Parisiis et Argentorati: König. 18 + 302 pp. + 16 pls.
- LAWRENCE, J. F. & NEWTON, A. F. Jr. 1995. Families and subfamilies of Coleoptera (with selected genera, notes, references and data on family-group-names), pp. 779-1006. In: PAKALUK J. & SLIPINSKI S. A. (eds), Biology, Phylogeny, and Classification of Coleoptera, Papers Celebrating the 80th Birthday of Roy A. Crowson, vol. 2. Warszawa: Muzeum i Instytut Zoologii PAN, vi + pp 559-1092.
- LENG, C. W. 1920. Catalogue of the Coleoptera of America, North of Mexico. Mount Vernon, N.Y.: J. D. Sherman. ix + 470 pp.
- LINNÉ, C. 1761. Fauna Suecica sistens Animalia Sveciae Regni: Mammalia, Aves, Amphibia, Pisces, Insecta, Vermes. Distributa per Classes et Ordines, Genera et Species, Cum Differentiis

- Specierum, Synonymis Auctorum, Nominibus Incolarum, Locis Natalium, Descriptionibus Insectorum. Editio Alterata, Auctior. Stockholmiae: Laurentii Salvii, 578 pp.
- LUCAS, R. 1920 (1918). Catalogus alphabeticus generum et subgenerum Coleopterorum orbis terrarum totius (famil., trib., subtr., sect. incl.). Pars I. *Arkiv für Naturgeschichte (A)* 84: i-xxxii, 1-696.
- NIKITSKY, N. B., SEMENOV, V. B. & DOLGIN, M. M. 1998. The beetles of the Prioksko-Terrasny Biosphere Reserve - Xylobiontes, Mycetobiontes, and Scarabaeidae (with the review of the Moscow region fauna of these groups). supplement 1 (with remarks on nomenclature and systematics of some Melandryidae of the world fauna). *Archives of zoological Museum Moscow State University* 36 (supplement 1): 55 + 4 pp.
- REITTER, E. 1911. Fauna Germanica. Die Käfer des Deutschen Reiches. Nach der analytischen Methode bearbeitet, vol.3. Stuttgart: K. G.Lutz' Verlag, 436 pp., pls 81-128.
- SCHAEFFER, J. C. 1777. Elementorum entomologicorum appendix quinque insectorum nova genera exhibens. Fünf neue Insectengeschlechter zur Einleitung in die Insectenkenntnis. Tabulae V. vivis coloribus expressae. Ratisbonae. 6 pp + 5 pls .
- SCHAEFFER, J. C. 1779. Icones Insectorum Ratisbonensium Methodo Sytematica Illustratae et Indice Systematico Auctae a D. Georg. Wolfgango Francisco Panzero, vol. 3, pl. 279: figs 7a-b [seen as 1804, Editio Nova, Erlangae: J.J. Plamii].
- SCHALLER, J. G. 1783. Neue Insekten. Abhandlungen der Hallischen Naturforschenden Gesellschaft, 1: 217-328.
- SCHENKLING, S. 1915: Lymexylonidae. In: JUNK, W. & SCHENKLING, S.(eds), Coleopterorum Catalogus. Pars 64. Berlin: 1-13.
- SEIDLITZ, G. C. M. von 1891a (1887-). Fauna Baltica. Die Kaefer der Ostseeprovinzen Russlands. Zweite neu bearbeitete Auflage. Königsberg: Hartungsche, [xii] + lvi + 192 + 818 pp. + 1 pl.
- SEIDLITZ, G. C M. von 1891b (1888-). Fauna Transsylvanica. Die Kaefer (Coleoptera) Siebenbürgens. Königsberg: Hartungsche, [xii] + lvi + 192 + 914 pp. + 1 pl
- WHEELER, Q. D. 1986. Revision of the genera of Lymexylidae (Coleoptera: Cucujiformia). *Bulletin of the American Museum of Natural History* 183: 113-210.
- WINKLER, A. 1925. pp. 497-624, In WINKLER A. 1925-1927 (ed.), Catalogus Coleopterorum regionis palaeacticae, vol. I. A. Caraboidea, B. Palpicornia, Staphylynoidea, C. Diversicornia, Stenoxia, Macroductylia, Brachymera, Clavicornia. Wien: Winkler, 815 pp.

(received October 24, 2002; accepted Novembre 15, 2002)