

Notes on Oriental Lamiini (Coleoptera: Cerambycidae: Lamiinae)

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Longhorned beetles of the Tribe Lamiini have evolved into approximately 180 genera in South East Asia and nearby regions. Many genera and species are poorly-known and some taxa are still undescribed. As a prelude to a checklist and further studies of this group, the authors propose some taxonomic changes and provide corrections to previous literature.

The private collection and literature of the senior author are deposited in Zoologische Staatssammlung München, Münchhausenstraße 21, D-8000, München, Germany.

Elongatorsidis Breuning, 1967a:183 (type species: *Elongatorsidis brunneus* Breuning) is a synonym of **Agniohammus** Breuning, 1936:303 (type species: *Agniohammus olivaceus* Breuning), **new synonymy**. **Agniohammus brunneus** (Breuning, 1967a:183) becomes a **new combination**.

Perihammus Aurivillius, 1923:457 (type species: *Perihammus bifasciatus* Aurivillius) and *Parablepephaeus* Breuning, 1980:171 (type species: *Pharsalia mindanaonis* Schultze) are synonyms of **Blepephaeus** Pascoe, 1866:291 (type species: *Monohammus succinator* Chevrolat), **new synonymies**. **Blepephaeus nepalensis** (Hayashi, 1981:13), **Blepephaeus fuscomaculatus** (Breuning, 1948:11), **Blepephaeus mausoni** (Breuning, 1947:10), **Blepephaeus multinotatus** (Pic, 1925:18), **Blepephaeus infelix** (Pascoe, 1856:48), **Blepephaeus lemoulti** (Breuning, 1938:33) and **Blepephaeus mindanaonis** (Schultze, 1920:197) become **new combinations**.

According to C. Holzschuh (pers. comm.), the type of *Perihammus fuscumaculatus* Breuning, 1948:11 in the Bruxelles Museum is the same species as **Blepephaeus succinator** (Chevrolet, 1852:417), **new synonymy**.

Vitticereopsius Breuning, 1961a:143 (type species: *Epepeotes vittipennis* Fisher) is a synonym of **Cereopsius** Pascoe, 1862:344 (type species: *Cereopsius exoletus* Pascoe), **new synonymy**. **Cereopsius vittipennis** (Fisher, 1935:599) becomes a **new combination**.

Cereopsius sexmaculatus immaculithorax Breuning, 1974:238 is not considered a valid subspecies of **Cereopsius sexmaculatus** Aurivillius, 1907:108, since it is just a species with variable markings, **new synonymy**.

Breuning (1968) placed *Cyriepepeotes* Breuning, 1963:17 (type species: *Cyriepepeotes grossepunctatus* Breuning) as a synonym of **Crucihammus** Breuning, 1936:295 (type species: *Crucihammus subcruciatus* Breuning). Subsequently, in the monograph on Laotian Lamiinae (Rondon and Breuning, 1970), this generic synonymy is not listed, but the appropriate combination of **Crucihammus grossepunctatus** Breuning as a Laotian species is given. Later (1975), the description of *Cyriepepeotes wittmeri* Breuning, 1975:342 appears ("Cyriepepeotes" is used in the paper's abstract, and "Cypriepepeotes" appears before the actual description). First, *Cypriepepeotes* Breuning, 1975:342 is an incorrect subsequent spelling of *Cyriepepeotes*. Second, *Cyriepepeotes* must remain a synonym of **Crucihammus**, as Breuning proposed in 1968. However, according to C. Holzschuh (pers. comm.), who examined the type of *Cyriepepeotes wittmeri* Breuning (Basel Museum), it is the same species as **Blepephaeus ocellatus** (Gahan, 1888:262), **new synonymy**.

Paraleprodera corrugatooides Breuning, 1948:6 is a synonym of **Paraleprodera corrugata** Breuning, 1935:254, **new synonymy**.

Epepeotes lateralis (Guérin-Méneville, 1831:68) is **revalidated**. *Epepeotes spinosus* (Thomson, 1857:179) is a synonym of this species.

In Lingafelter and Hoebeke (2002), Plate 19 (h, i) are both variants of **Dolichoprosopus lethalis maculatus** Ritsema (S. Lingafelter, pers. comm.). However, the status of **D. lethalis** Pascoe and the validity of its two described subspecies should be reviewed after more material is studied from the islands around Halmahera and eastern New Guinea.

C. Holzschuh (pers. comm.) states that the holotype of *Melanauster granulipennis* Breuning, 1938:52, was examined in the British Museum, London, and is synonymous with **Monochamus guerryi** Pic, 1903:121, **new synonymy**. Therefore it was incorrectly synonymized with **Anoplophora beryllina** (Hope, 1840:79) in Lingafelter and Hoebeke (2002).

Lingafelter and Hoebeke (2002) transferred *Anoplophora rondoniana* Breuning, 1964:46 into **Pharsalia** Thomson, 1864:85 (type species: *Pharsalia malasiaca* Thomson), however Breuning (1968) had already placed this species into synonymy with **Pharsalia subgemmata** (Thomson, 1857:294). This synonymy was not recorded in Rondon and Breuning (1970).

Numerous errors exist in Breuning's Catalogues of Lamiinae, including misspellings, incorrect years and page citations. One error is in the 5th part of the catalogue (Breuning, 1961b, pg. 347), where the genus name **Triammatus** was omitted. It appears that the six species in this genus (**T. saundersi** Chevrolat, **T. chevrolati** Pascoe, **T. tristis** Pascoe, **T. subinermis** Breuning, **T. waigeuensis** Gilmour and **T. brunneus** Breuning) belong to the genus **Combe** Thomson. Makihara (1999) followed Breuning's catalogue and incorrectly listed *Combe chevrolati* (Pascoe) in his survey of Cerambycidae from East Kalimantan. Breuning (1967b) did list **Triammatus** in the generic index for his catalogues, however.

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References cited

- Aurivillius, C.** 1907. Neue oder wenig bekannte Coleoptera Longicornia. 9. Arkiv för Zoologi, Uppsala. 3(18):93-131. 9 fig.
- Aurivillius, C.** 1923. Neue oder wenig bekannte Coleoptera Longicornia. 19. Arkiv för Zoologi, Uppsala. 15(25):437-479.
- Breuning, S.** 1935. Novae species Cerambycidarum IV. Folia Zoologica et Hydrobiologica. 8:251-276.
- Breuning, S.** 1936. Novae species Cerambycidarum V. Festschrift zum 60. Geburtstag von Professor Dr. Embrik Strand. 1:274-326.
- Breuning, S.** 1938. Nouveaux Cerambycides (1^{ère} note). Novitates Entomologicae. 9:30-64.
- Breuning, S.** 1947. Nouvelles formes de Longicornes du Musée de Stockholm. Arkiv för Zoologi, Uppsala. 39A(6):1-68.
- Breuning, S.** 1948. Nouvelles formes de Lamiaires (1^{ère} partie). Bulletin du Musée Royal d'Histoire Naturelle de Belgique, Bruxelles. 24(38):1-44.
- Breuning, S.** 1961a. Neue oder schlecht bekannte Cerambyciden. Entomologische Arbeiten aus dem Museum G. Frey. 12:140-160.
- Breuning, S.** 1961b. Catalogue des Lamiaires du monde (Col. Céramb.). 5 Lieferung. Im Verlag des Museums G. Frey. Tutzing bei München. p. 285-382.
- Breuning, S.** 1963. Contribution à la connaissance des Lamiens du Laos (Col. Ceramb), Sixième partie. Bulletin de la Société Royale des Sciences Naturelles du Laos. 7:5-22.
- Breuning, S.** 1964. Contribution à la connaissance des Lamiens du Laos (Col. Ceramb), 12 partie. Bulletin de la Société Royale des Sciences Naturelles du Laos. 11: 41-62.
- Breuning, S.** 1967a. Nouveaux Cerambycides Lamiinae des collections du Muséum National d'Histoire Naturelle de Paris. Bulletin de la Société Entomologique de France. 72:183-189.
- Breuning, S.** 1967b. Catalogue des Lamiaires du Monde (Col. Céramb.). 10 Lieferung. Im Verlag des Museums G. Frey. Tutzing bei München. p. 771-864.
- Breuning, S.** 1968. Contribution à la connaissance des Lamiens du Laos (15^{ème} partie et fin). Bulletin de la Société Royale des Sciences Naturelles du Laos. 16:1-44, 63.
- Breuning, S.** 1974. Neue Lamiinae (Coleoptera, Cerambycidae). Mitteilungen aus dem Zoologischen Museum in Berlin. 50:237-241
- Breuning, S.** 1975. Ergebnisse der Bhutan-Expedition 1972 des Naturhistorischen Museums in Basel, Coleoptera: Fam. Cerambycidae - Lamiinae. Entomologica Basiliensa 1:335-365.
- Breuning, S.** 1980. Description de nouvelles espèces de Lamiaires des Philippines (Coleoptera, Cerambycidae). Mitteilungen aus dem Zoologischen Museum in Berlin. 56(2):157-182.

- Chevrolet, L. A. A.** 1852. Description des Coléoptères nouveaux. rest of title unknown. *Revue et Magazine de Zoologie*. Paris. 9:414-421.
- Fisher, W. S.** 1935. Cerambycidae from Mount Kinabalu. *Journal of the Malayan States Museums*. 17:581-631.
- Gahan, C. J.** 1888. Descriptions of some Indian species of longicorn Coleoptera. *The Annals and Magazine of Natural History*. 6(1):260-263.
- Guérin-Ménéville, F. E.** 1831. Dictionnaire classique d'histoire naturelle. in Bory de Saint-Vincent, J. P. G. M. (ed.). *Ray et Gravier* [and] *Baudoin Frères*, Paris. Vol. 17, Atlas: t. 68, p. 6.
- Hayashi, M.** 1981. Some longicorn beetles from Nepal. *Scientific Results of Hokkaido University Expeditions to the Himalaya*, Entomology, No. 38. *Bulletin of the Osaka Jonan Women's Junior College*. 14:1-20.
- Hope, F. W.** 1840. Descriptions of some new insects collected in Assam, by William Griffith, Esq., Assistant Surgeon on the Madras Medical Establishment. *Proceedings of the Linnean Society of London*. 1:76-79.
- Lingafelter, S. W. and E. R. Hoebeke.** 2002. Revision of *Anoplophora* (Coleoptera: Cerambycidae). *Entomological Society of Washington*, Washington, DC. 236 pp.
- Makihara, H.** 1999. Atlas of Longicorn Beetles, in Bukit Soeharto Education Forest, Mulawarman University, East Kalimantan, Indonesia. PUSREHUT Special Publication No. 7. 140 pp.
- Pascoe, F. P.** 1856. Descriptions of new genera and species of Asiatic longicorn Coleoptera. *The Transactions of the Entomological Society of London*. Ser. 2. 4:42-50.
- Pascoe, F. P.** 1862. Notices of new or little-known genera and species of Coleoptera. *The Journal of Entomology*. 1:319-370.
- Pascoe, F. P.** 1866. Longicornia Malayana; or, a Descriptive Catalogue of the Species of the three Longicorn Families Lamiidae, Cerambycidae and Prionidae collected by Mr. A. R. Wallace in the Malay Archipelago. (Part III). *The Transactions of the Entomological Society of London*. (3)3:225-336.
- Pic, M.** 1903. Diagnoses préliminaires de Longicornes du Yun Nam. *L'Échange*, *Revue Linéenne*. 19(221):121.
- Pic, M.** 1925. Nouveautés diverses. *Mélanges Exotico-Entomologiques*. 43:1-32.
- Rondon, J. A. and S. Breuning.** 1970. Lamiines du Laos. *Pacific Insects Monograph*. 24:315-571.
- Schultze, W.** 1920. Eighth contribution on the Coleoptera Fauna of the Philippines. *Philippine Journal of Science*. 16(2):191-200.
- Thomson, J.** 1857a. Diagnoses de cérambycides nouveaux ou peu connus de ma collection qui seront décrits prochainement. *Archives Entomologiques*. 1:169-194.
- Thomson, J.** 1857b. Description de cérambycides nouveaux ou peu connus de ma collection. *Archives Entomologiques ou recueil contenant des illustrations d'insectes nouveaux ou rares*. 1:291-320.
- Thomson, J.** 1864. *Systema cerambycidarum* ou exposé de tous les genres compris dans la famille des cérambycides et familles limitrophes. *Mémoires de la Société Royale des Sciences de Liège*. 19:1-352.