

Review of the type status of some Scarabaeoidea (Coleoptera) held by the Queensland Museum

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LSID urn: lsid:zoobank.org:pub:D5590337-A9EE-4B99-8551-D4CBFEB1C6F9

<https://doi.org/10.17082/j.2204-1478.64.2023.2023-01>

Citation: Allsopp, P.G. & Koch, K. (2023). Review of the type status of some Scarabaeoidea (Coleoptera) held by the Queensland Museum. *Memoirs of the Queensland Museum | Nature* 64: 273–304. Brisbane ISSN 2204-1478 (Online), ISSN 0079-8835 (Print). Accepted: 5 July 2023. Published online: 6 October 2023. Amended online: 30th October 2023.

Corrigendum: On page 294, for species *Pterorthochaetes* ‘politus’, a label was incorrectly identified as *Pterorthochaetes* ‘danielsi’. This has been amended.

Keywords:

Geotrupidae | Lucanidae | Hybosoridae | Scarabaeidae | Aphodiinae | Scarabaeinae | Melolonthinae | Dynastinae | Cetoniinae | type specimens.

ABSTRACT

Where uncertainty is identified, the status of putative type specimens for 87 species group names of Scarabaeoidea (Coleoptera) housed in the Queensland Museum is reviewed. This can relate to outdated concepts and terminologies used in the descriptions, names that were not subsequently published, or material that was seen by the authors of the species but not listed in the original publication. Specimens are identified by their registry labels, labels summarising any changes to their status were attached to each specimen, and the museum’s electronic registers were updated. Full label data are given to allow future recognition.

The Queensland Museum was founded by the Queensland Philosophical Society on 20 January 1862, and in 1871 became the state museum of Queensland. About 3.9 million items and specimens make up a state collection that tells the changing story of Queensland and demonstrates its biodiversity. Entomological specimens are currently divided into two separate collections: the collection of the Museum (QM), and the former Department of Entomology of the University of Queensland (UQ). The former dates from the early days of the museum, while the latter is mainly material from student collections starting from the early 1950s. Both collections have been important for the description of new species and in revisions. QM currently holds type specimens of almost 500 species group names of Scarabaeoidea.

We have clarified the status of putative type specimens from the QM and UQ collections where there is uncertainty around that status. This can relate to outdated concepts and terminologies used in the descriptions, names that were not subsequently published, or material that was seen by the authors of the species but not listed in the original publication. We list data for the unpublished, and hence invalid, names to justify amending their status within the QM type register and to allow recognition of any additional material in other collections. These are given without author attribution, and none should be used as valid names.

MATERIALS AND METHODS

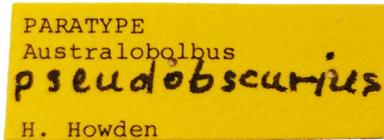
QM's scarabaeoid collection was examined and checked against the museum's registers to identify putative type specimens. Identities were checked, current taxonomy and nomenclature were verified using appropriate keys and descriptions (identified in Houston (1992) and in chapters 23, 26, 27, 29, 30, 31, 33 and 34 of Ślipiński and Lawrence (2019)), and their type status was checked against the original descriptions. Specimens that required further clarity were identified. Specimens are identified by their QM or UQ registry labels, labels summarising any changes to their status were attached to each specimen, and the museum's electronic registers were updated.

For each specimen, we give the full original label data (including inconsistent punctuation, capitalisation, repeated content and misspellings) to support future recognition; each label is separated from each other with '|', the reverse side is indicated by '//', and any commentary on labels is enclosed in '[]'. Incorrect status and unpublished names are given in inverted commas. All labels are white unless indicated by our commentary. A representative sample of photographed labels is provided.

We used the definitions of holotype, paratype, syntype, lectotype etc. from Chapter 16 of the *International Code of Zoological Nomenclature*, fourth edition (ICZN) (International Commission on Zoological Nomenclature 1999). In recognising paratypes that were not listed in an original publication before 2000, we used Article 72.4.1.1 'any evidence, published or unpublished, may be taken into account to determine what specimens constitute the type series'.

The sequence of families and classification of the genera follow Ślipiński and Lawrence (2019). Within families/subfamilies, species are listed alphabetically according to their original combination and any changes in generic placement or junior synonymy are indicated.

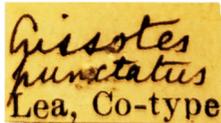
Abbreviations: ANIC: Australian National Insect Collection, Canberra; IRSNB: Institut Royal des Sciences Naturelles de Belgique, Brussels; NHML: Natural History Museum, London; PGA: former Allsopp collection now in QM; SAM: South Australian Museum, Adelaide; QM: Queensland Museum; UQ: University of Queensland Insect Collection.



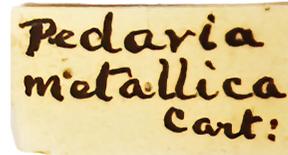
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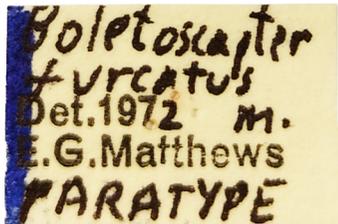
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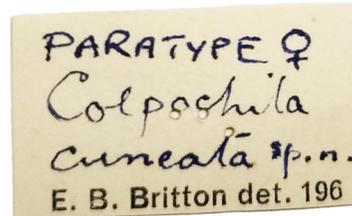
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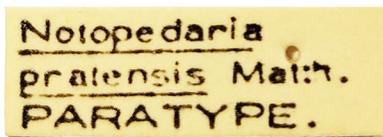
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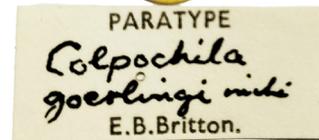
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Figure 1. Howden's paratype label for *Australobolbus pseudobscurius* Howden, 1992 Figure 2. Lea's 'cotype' labels for *Lissotes punctatus* Lea, 1910. Figure 3. Matthews' paratype label for *Boletoscapter furcatus* Matthews, 1974. Figure 4. Matthews' paratype label for *Notopedaria pratensis* Matthews, 1976. Figure 5. Lea's type labels for *Onthophagus opacipennis* Lea, 1923. Figure 6. Carter's type label for *Pedaria metallica* Carter, 1936. Figure 7. Britton's paratype label for the unpublished *Colpochila 'cuneata'*. Figure 8. Britton's paratype labels for *Colpochila goerlingi* Britton, 1986.

RESULTS

VALID NAMES

Family GEOTRUPIDAE

Australobolbus pseudobscurius Howden, 1992

Australobolbus pseudobscurius Howden, 1992: 671.

Paratype ♀. H. BELL CLONCURRY 15-4-47 [handwritten] | ♀ [handwritten in blue] | PARATYPE *Australobolbus* [typeset] *pseudobscurius* [handwritten] H. Howden [typeset] [yellow label] | QM Reg. No. T169674 [typeset, yellow label] | Unlisted PARATYPE *Australobolbus pseudobscurius* Howden P. Allsopp 2022 [typeset]; UQ.

This specimen was not listed by Howden (1992) but was clearly marked by him as a paratype using his characteristic label (Fig. 1) and should be considered accordingly (ICZN, Article 72.4.1.1).

Blackbolbus furcaticollis Howden, 1985

Blackbolbus furcaticollis Howden, 1985: 67.

Paratype. Frazer [sic] Is. [K'gari], Sandy Cape lighthouse June 1980 P. Sutton [handwritten] | PARATYPE *Bolboleus* [typeset] *furcaticollis* T.10909 [handwritten] H. Howden [typeset] [yellow label] | PARATYPE *Blackbolbus furcaticollis* Howden, 1985 P. Allsopp 2022 [typeset]; QM.

Paratype. Blackdown Tableland via Dingo, Cent. Qld. 1-6.ii.1981 G.B. Monteith [typeset] | PARATYPE *Bolboleus* [typeset] *furcaticollis* T.10910 [handwritten] H. Howden [typeset] [yellow label] | PARATYPE *Blackbolbus furcaticollis* Howden, 1985 P. Allsopp 2022 [typeset]; QM.

These two paratypes are both labelled as *Bolboleus furcaticollis* but are listed as paratypes of *Blackbolbus furcaticollis* in Howden (1985).

Elephastomus terraereginae (Blackburn, 1899)

Bolboceras terraereginae Blackburn, 1899: 25 (now *Elephastomus terraereginae*).

'Plesioallotype' ♀. St. Lucia 10-1952 Y.S. Chang [typeset with date handwritten] | *Elephastomus terraereginae* (Blackb.) PLESIO. [handwritten] ALLOTYPE [typeset] P.B. Carne 1964 [handwritten] [orange label] | C.138 [handwritten, green label] |

QM Reg No. T169739 [handwritten, yellow label] | No nomenclatural status P. Allsopp 2022 [typeset]; UQ.

This specimen has no nomenclatural status, being collected 53 years after the description of the species.

Family LUCANIDAE

Lissotes punctatus Lea, 1910

Lissotes punctatus Lea, 1910: 357.

Syntype ♂. Waratah Tas. Lea [typeset, label glued on additional blank label] | C/2088 [handwritten] | CO-TYPE [typeset] | *Lissotes punctatus* Lea [handwritten] Id. by A.M. Lea [typeset] | SYNTYPE ♂ *Lissotes punctatus* Lea, 1910 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Lissotes punctatus* ♂ T2088 [handwritten] [red label]; QM.

Syntype ♂. Waratah Tas. Lea [typeset] [tarsi mounted on label] | CO-TYPE [typeset, blue label] | *Lissotes punctatus* Lea [handwritten] Lea, Co-type [typeset] | SYNTYPE ♂ *Lissotes punctatus* Lea, 1910 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Lissotes punctatus* ♂ T258269 [handwritten] [red label]; QM.

Lea (1910) gave no indication of how many specimens he saw or where they were deposited, and he did not designate a holotype. Neither of these specimens was listed among seven syntypes by Moore and Cassis (1992). Given that they bear typical Lea labels (Fig. 2) and that they were collected by Lea at Waratah (given in the list of specimens in the description), these are undoubtedly syntypes sent to QM by Lea. Both are listed in the handwritten QM type register (undated but before 1921) as 'cotypes' received from Lea. A lectotype designation is warranted.

Lissotes rudis Lea, 1910

Lissotes rudis Lea, 1910: 354.

Syntype ♂. Tasmania A. Simson [typeset] | C/2089 [handwritten] | CO-TYPE [typeset] | *Lissotes rudis* Lea [handwritten] Id. by A.M. Lea [typeset] | SYNTYPE ♂ *Lissotes rudis* Lea, 1910 P. Allsopp

2022 [typeset] | SYNTYPE [typeset] *Lissotes rudis*
♂ T2089 [handwritten] [red label]; QM.

Lea (1910) gave no indication of how many specimens he saw or where they were deposited, and he did not designate a holotype. This specimen was not listed among five syntypes by Moore and Cassis (1992). Given that it bears a typical Lea label (similar to Fig. 2) and that it was collected by Simson (collector named in the description), this is undoubtedly a syntype. Two ‘cotypes’ received from Lea are listed in the handwritten QM type register (undated but before 1921), but we could find only one. A lectotype designation is warranted.

Family SCARABAEIDAE

Subfamily APHODIINAE

Rhyssemus insignicollis Lea, 1923

Rhyssemus insignicollis Lea, 1923b: 19 (junior synonym of *Rhyssemus inscitus* (Walker, 1858)).

Syntype. Mounted on card | Cairns Nov 1890 C.J. Wild [typeset] | *Rhyssemus inscitus* DET. Z. Stebn. H.F. How. '94 [typeset] | SYNTYPE *Rhyssemus insignicollis* Lea, 1923 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Rhyssemus insignicollis* T2089 [handwritten] [red label]; QM.

Syntype. Mounted on card | Cairns Nov 1890 C.J. Wild [typeset] | *Rhyssemus inscitus* DET. Z. Stebn. H.F. How. '94 [typeset] | SYNTYPE *Rhyssemus insignicollis* Lea, 1923 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Rhyssemus insignicollis* T258271 [handwritten] [red label]; QM.

Lea (1923b) saw an unspecified number of specimens from the Cairns district (in Wild's and Blackburn's collections), Townsville and Thursday Island. He did not designate a holotype. Stebnicka's (2009) reference to a holotype in IRSNB cannot be considered as a lectotype designation (ICZN, Article 74.7), given that it was made after 1999. Cassis and Weir (1992a) listed syntypes from Cairns as potentially part of SAM's collection, but they were not referred to by Stebnicka and Howden (1996). Although these two specimens do not bear Lea's type label, they are consistent with Lea's type series and both are listed in the handwritten QM type register as ‘cotypes’ received from Lea on 19 October 1923. A lectotype designation is warranted.

Subfamily SCARABAEINAE

Boletoscapter furcatus Matthews, 1974

Boletoscapter furcatus Matthews, 1974: 92.

Paratype. UQIC Reg. #95527 [typeset] | Moggill Farm [handwritten] Brisbane Qld [typeset] rotten liver May 5, 72 [handwritten] Col.- R. Storey [typeset] | *Boletoscapter furcatus* m. [handwritten] Det. 1972 E.G. Matthews [typeset except 2 in date handwritten] PARATYPE [handwritten] [label with blue left border] | Unlisted PARATYPE *Boletoscapter furcatus* Matthews, 1974 P. Allsopp 2022 [typeset]; QM.

Matthews (1974) listed a paratype collected at Moggill Farm in April 1972, but the labels above relate to a specimen collected in May. It is clearly marked by Matthews as a paratype (Fig. 3) and should be considered accordingly (ICZN, Article 72.4.1.1).

Diorygopyx simpliciclunis Matthews, 1974

Diorygopyx simpliciclunis Matthews, 1974: 143.

Paratype. Mounted on micropin | UQIC Reg #95848 [typeset] | Lamington Nat. Pk. S.E. Qld. 17-21.v.1965. T. Weir [typeset] | *Diorygopyx simpliciclunis* m. [handwritten] Det. 1972 E.G. Matthews [typeset except 2 in date handwritten] PARATYPE [handwritten] [label with blue left border] | Unlisted PARATYPE *Diorygopyx simpliciclunis* Matthews, 1974 P. Allsopp 2022 [typeset]; QM.

Matthews (1974) did not list this paratype, but it is clearly marked by him as a paratype (similar to Fig. 3) and should be considered accordingly (ICZN, Article 72.4.1.1).

Monoplistes curvipes Lea, 1923

Monoplistes curvipes Lea, 1923a: 358.

Paratype ♀. Mounted on card marked with ♀ [handwritten] | Cairns dist. A.M. Lea [typeset] | C/2800 [handwritten] | *Monoplistes curvipes* [handwritten] Lea, Co-type [typeset] | PARATYPE ♀ *Monoplistes curvipes* Lea, 1923 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Monoplistes curvipes* ♀ T2800 [handwritten] [blue label]; QM.

Lea (1923a) designated a specimen in SAM as the ‘type’ and gave it the registration number I.3719. This was correctly recognised as the holotype by Matthews (1974) (ICZN, Article 73.1.1), although

Cassis and Weir (1992b) incorrectly interpreted Matthews' reference to a holotype as a lectotype designation. The above specimen was marked by Lea as a 'cotype' (similar to the lower label in Fig. 2) and is listed in the handwritten QM type register from 19 October 1923 as a 'cotype' received from Lea. It is undoubtedly a paratype.

***Notopedaria pratensis* Matthews, 1976**

Notopedaria pratensis Matthews, 1976: 16 (now *Demarziella pratensis*).

Paratype. Mounted on micropin | Binjour Range, via Gayndah, Qld. Mar. 28-Apr. 1, 1975 R.I. Storey Human dung trap [typeset] | *Notopedaria pratensis* Matth. PARATYPE. [typeset] | QM Reg. No. T185483 [typeset, yellow label] | Unlisted PARATYPE *Notopedaria pratensis* Matthews, 1976 P. Allsopp 2022 [typeset]; QM.

Paratype. Mounted on card | 6 mls [miles] East of Bennarkin, Qld. Mar. 27-Apr. 2, 1975 R.I. Storey Pig dung trap [typeset] | *Notopedaria pratensis* Matth. PARATYPE. [typeset] | QM Reg. No. T185485 [typeset, yellow label] | Unlisted PARATYPE *Notopedaria pratensis* Matthews, 1976 P. Allsopp 2022 [typeset]; QM.

These specimens were not listed by Matthews (1976) as paratypes, but they are clearly marked by him as paratypes (Fig. 4) and should be considered accordingly (ICZN, Article 72.4.1.1).

***Notopedaria sylvestris* Matthews, 1976**

Notopedaria sylvestris Matthews, 1976: 13 (now *Demarziella sylvestris*).

Paratypes x3. Mounted on micropins | 5 mls [miles] N. of Landsborough, Qld. Apr. 27-May 2, 1975 R.I. Storey Human dung trap [handwritten] | *Notopedaria sylvestris* Matth. PARATYPE. [typeset] | QM Reg. No. T185434, T185435 or T185436 [typeset, yellow label] | Unlisted PARATYPE *Notopedaria sylvestris* Matthews, 1976 P. Allsopp 2022 [typeset]; QM.

Paratype. Mounted on card | Saddletree Ck, Bunya Mts, Q. 29.iii.1975 G. Monteith [handwritten] | Rain For. [handwritten] | *Notopedaria sylvestris* Matth. PARATYPE. [typeset] | QM Reg. No. T185437 [typeset, yellow label] | Unlisted PARATYPE

Notopedaria sylvestris Matthews, 1976 P. Allsopp 2022 [typeset]; QM.

Paratypes x5. Mounted on micropins | Kelly Lkt, Bald Mtn., via Emu Vale, S.E. Qld. 30.iii.1975 G.B. Monteith [typeset] | *Notopedaria sylvestris* Matth. PARATYPE. [typeset] | QM Reg. No. T185438, T185442, T185443, T185444 or T185445 [typeset, yellow label] | Unlisted PARATYPE *Notopedaria sylvestris* Matthews, 1976 P. Allsopp 2022 [typeset]; QM.

Paratype ♀. Mounted on card, right specimen [T185464] [the left specimen [T185465] is *N. scarpensis* Matthews, 1976] | Kelly Lkt, Bald Mtn., via Emu Vale, S.E. Qld. 30.iii.1975 G.B. Monteith [typeset] | Rain For. [handwritten] | *N. scarpensis* (L) *sylvestris* (R) ♀♀ [handwritten] Det. 1975 E.G. Matthews [typeset except 5 in date handwritten] PARATYPES [handwritten] | QM Reg. No. T185464 [typeset, yellow label] | QM Reg. No. T185465 [typeset, yellow label] | Unlisted PARATYPE *Notopedaria sylvestris* Matthews, 1976 P. Allsopp 2022 [typeset]; QM.

The specimens were not listed by Matthews (1976) as paratypes but are clearly marked by him as paratypes (similar to Fig. 4) and should be considered accordingly (ICZN, Article 72.4.1.1).

***Onthophagus anchommatus* Lea, 1923**

Onthophagus anchommatus Lea, 1923a: 373.

Holotype ♂ and **paratype** ♀. Mounted on one card, male [T2802] marked with ♂ and TY [handwritten], female [T258272] marked with ♀ [handwritten] | Brisbane: H. Hacker. [typeset] 20.11.17 [handwritten] | *anchommatus* [handwritten] Lea, TYPE [typeset] Brisbane [handwritten] | C/2802 [handwritten] | TYPE [typeset] | *Onthophagus anchommatus* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE ♂ PARATYPE ♀ *Onthophagus anchommatus* Lea, 1923 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] ♂ *Onthophagus anchommatus* T2802 [handwritten] [red label] | PARATYPE [typeset] ♀ *Onthophagus anchommatus* T258272 [handwritten] [blue label]; QM.

Lea (1923a) clearly designated a male in QM as the 'type' (i.e., holotype: ICZN, Article 73.1.1), and labelled it accordingly (similar to the lower label in Fig. 5)

— this is reinforced by the placement of the TY on the specimen card. Both specimens were listed by Matthews (1972) but without indication they were on the one card or that the female was a paratype. Cassis and Weir (1992b) listed only the holotype in QM and a paratype in SAM, as indicated by Lea (1923a). Both are listed in the handwritten QM type register from 19 October 1923 as ‘types’.

***Onthophagus compositus* Lea, 1923**

Onthophagus compositus Lea, 1923a: 390.

Holotype ♂. Von Weildt Stanthorpe [handwritten] | *compositus* [handwritten] Lea, TYPE [typeset] Stanthorpe [handwritten] | C/2705 [handwritten] | *Onthophagus compositus* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE ♂ *Onthophagus compositus* Lea, 1923 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] ♂ *Onthophagus compositus* T2705 [handwritten] [red label]; QM.

Lea (1923a) clearly designated a male in QM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) and labelled it accordingly (similar to the lower label in Fig. 5), and it is listed in the handwritten QM type register of 18 January 1923 as the ‘type’. It was recognised as the holotype by Matthews (1972) and Cassis and Weir (1992b).

***Onthophagus nurubuan* Matthews, 1972**

Onthophagus nurubuan Matthews, 1972: 146.

‘Paratype’. Tooloom Scrub Via Woodenbong N.S.W. 26-27.xii.1968 B. Cantrell [typeset] | PARATYPE [typeset, blue label] | *Onthophagus* [typeset] *nurubuan* m. [handwritten] Det. 1970 E.G. Matthews [typeset] | QM Reg. No. T182233 [typeset, yellow label] | NO TYPE STATUS [typeset]; QM.

‘Paratype’. Girraween Nat. Pk. nr. Stanthorpe, Qld. 20 Oct 1968 A.B. Cribb [handwritten] | ex wombat dung [handwritten] | PARATYPE [typeset, blue label] | *Onthophagus* [typeset] *nurubuan* m. [handwritten] Det. 1970 E.G. Matthews [typeset] | QM Reg. No. T182239 [typeset, yellow label] | NO TYPE STATUS [typeset]; QM.

There is confusion around the status of these specimens. Each is clearly marked by Matthews as a paratype of *O. nurubuan*, but Matthews (1972) did not list them specifically as paratypes and listed them

as hybrids between *O. nurubuan* and *O. australis* Guérin-Méneville, 1838; therefore, they cannot be considered paratypes. The specimen from Tooloom Scrub is stored in QM under the informal name of *Onthophagus* CQ2.

***Onthophagus opacipennis* Lea, 1923**

Onthophagus opacipennis Lea, 1923a: 387 (junior synonym of *Onthophagus pugnax* Harold, 1868).

Holotype ♂. Tambourine [Tamborine] Mountain: H. Hacker. [typeset] 26/12/11 [handwritten] | Lea has not [typeset] 13-12-18 [handwritten] [pink label] | ♂ [typeset] | *opacipennis* [handwritten] Lea, TYPE [typeset] Tambourine [Tamborine] [handwritten] | C/2702 [handwritten] | *Onthophagus opacipennis* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE ♂ *Onthophagus opacipennis* Lea, 1923 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] ♂ *Onthophagus opacipennis* T2702 [handwritten] [red label]; QM.

Lea (1923a) clearly designated a male in QM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1), and labelled it as such (Fig. 5) and it is listed in the handwritten QM type register from 18 January 1923 as the ‘type’. It was recognised as the holotype by Matthews (1972) and Cassis and Weir (1992b).

***Onthophagus phoenicocerus* Lea, 1923**

Onthophagus phoenicocerus Lea, 1923a: 389.

Holotype ♂. Brisbane: H. Hacker [typeset] 7.11.17 [handwritten] | *phoenicocerus* [handwritten] Lea, TYPE [typeset] Brisbane [handwritten] | C/2704 [handwritten] | Photographed Specimen [typeset, purple label] | *Onthophagus phoenicocerus* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE ♂ *Onthophagus phoenicocerus* Lea, 1923 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Onthophagus phoenicocerus* T2704 [handwritten] [red label]; QM.

Lea (1923a) clearly designated a male in QM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1), and labelled it accordingly (similar to the lower labels in Figs. 2 and 5) and it is listed in the handwritten QM type register from 18 January 1923 as the ‘type’. It was recognised as the holotype by Matthews (1972) and Cassis and Weir (1992b).

***Onthophagus squalidus* Lea, 1923**

Onthophagus squalidus Lea, 1923a: 390.

Holotype ♀ and **paratype** ♀. Mounted on one card, left specimen [T2706] has ♂ [sic] and TY [both handwritten], right specimen [T258273] has ♀ [handwritten] | National Pk., Q. H. Hacker. Dec., 1919. [typeset] | *squalidus* [handwritten] Lea, TYPE [typeset] Natl Pk Q [handwritten] | C/2706 [handwritten] | *Onthophagus squalidus* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE ♂ PARATYPE ♀ *Onthophagus squalidus* Lea, 1923 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Onthophagus squalidus* T2706 ♂ [handwritten] [red label] | PARATYPE [typeset] *Onthophagus squalidus* ♀ T258273 [handwritten] [blue label]; QM.

Lea (1923a) clearly designated a specimen in QM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1), and labelled it accordingly (similar to the lower labels in Figs. 2 and 5) — this is reinforced by the placement of the TY on the specimen card below the male specimen. Only one specimen, the ‘type’, is listed in the handwritten QM type register from 18 January 1923. Matthews (1972) noted both specimens but did not say that they were on the same card. He considered the holotype to be an abraded female, not a male, and we have confirmed that. Cassis and Weir (1992b) listed both the holotype female and a paratype female, presumably on the same card as they cited the same registration number.

***Onthophagus stenocerus* Lea, 1923**

Onthophagus stenocerus Lea, 1923a: 388 (invalid synonym of *Onthophagus neostenocerus* Goidanich, 1926).

Holotype ♂. Tambourine [Tamborine] Mountain: H. Hacker. [typeset] | T.2703 [handwritten] [red label] | *stenocerus* [handwritten] Lea, TYPE [typeset] Tambourine [handwritten] | C/2703 [handwritten] | *Onthophagus stenocerus* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE ♂ *Onthophagus stenocerus* Lea, 1923 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Onthophagus stenocerus* T2703 ♂ [handwritten] [red label]; QM.

Paratype ♀. ♀ [typeset] | Cotype [typeset] | Brisbane: H. Hacker. [typeset] 16.11.15 [handwritten] | PARATYPE ♀ *Onthophagus stenocerus* Lea, 1923 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Onthophagus stenocerus* T93433 ♀ [handwritten] [blue label]; QM.

The handwritten QM type register from 18 January 1923 lists two syntypes, one considered the ‘type’ and the second initially as a ‘cotype’ but later this was crossed out and replaced by ‘holotype’. Lea (1923a) clearly designated one of two specimens in QM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1), and the male bears typical Lea labels (similar to the lower labels in Figs. 2 and 5). This was followed by Matthews (1972) and Cassis and Weir (1992b); Matthews added the red label (holotype) and blue label (paratype). Matthews (1972) listed the second specimen as being in QM, but not as a paratype, but it bears typical Lea labels and should be considered as such (ICZN, Article 72.4.1.1).

***Pedaria alternata* Lea, 1923**

Pedaria alternata Lea, 1923a: 394 (now *Demarziella alternata*).

Paratypes 1♂, 1♀. Mounted on two cards on one pin, upper card [T2814] marked with ♂ [handwritten], lower card [T258374] marked with ♀ [handwritten] | Groote Eylandt N. Territory N.B. Tindale [typeset] | C/2814 [handwritten] | Cotype [typeset] | *Pedaria alternata* [handwritten] Lea, Co type [typeset] | *Demarziella alternata* (Lea) [handwritten] Det. 1985 E.G. Matthews [typeset except 85 in date handwritten] | PARATYPE ♂ PARATYPE ♀ *Pedaria alternata* Lea, 1923 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Demarziella alternata* T2814 ♂ [handwritten] [blue label] PARATYPE [typeset] *Demarziella alternata* T258374 ♀ [handwritten] [blue label]; QM.

Lea (1923a) saw ‘numerous’ specimens from Groote Eylandt but designated a specimen in SAM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) and gave it the registration number I.15433. This was correctly recognised as the holotype by Matthews (1974), although Cassis and Weir (1992b) interpreted Matthews’ reference to a holotype as a lectotype designation. The ‘cotypes’ above marked by Lea (similar to the lower label in Fig. 2) are undoubtedly

paratypes, although these two were not listed by Matthews (1976). The handwritten QM type register from 20 November 1923 lists two ‘cotypes’.

***Pedaria metallica* Carter, 1936**

Pedaria metallica Carter, 1936: 102 (now *Demarziella metallica*).

Paratype. Mounted on card | Stanthorpe Queensland E. Sutton [typeset] | 19/10/29 [handwritten] | *Pedaria metallica* Cart: [handwritten] | COTYPE [typeset, blue label] | Type in Macleay Mus [handwritten] | PARATYPE *Pedaria metallica* Carter, 1936 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Demarziella metallica* T250555 [handwritten] [blue label]; QM.

This specimen was not seen by Matthews (1976) and not listed by Cassis and Weir (1992b), but it was unambiguously referred to by Carter (1936) and was labelled by him (Fig. 6).

***Temnoplectron laevigatum* Matthews, 1974**

Temnoplectron laevigatum Matthews, 1974: 151 (junior synonym of *Temnoplectron boucomonti* Paulian, 1934).

Paratype. UQIC Reg #95866 [typeset] | Bald Mtn. area, 3-4000' Via Emu Vale, S.E. Qld. 17-22.v.1969 B.H. Kay [typeset except H handwritten] | Loc. Prob. Erroneous Prob. From Gulf of Carp. [handwritten] | *Temnoplectron laevigatum* m. [handwritten] Det. 1972 E.G. Matthews [typeset except 2 in date handwritten] PARATYPE [handwritten] [label with blue left border] | Unlisted PARATYPE *Temnoplectron laevigatum* Matthews, 1974 P. Allsopp 2022 [typeset]; QM.

This paratype was not listed by Matthews (1974) but was clearly marked by him as a paratype (similar to Fig. 3) and should be considered accordingly (ICZN, Article 72.4.1.1). It was not listed by Cassis and Weir (1992b) and was listed by Reid and Storey (2000), but not as a paratype.

Subfamily MELOLONTHINAE

***Anodontonyx insularis* Lea, 1919**

Anodontonyx insularis Lea, 1919: 217 (now *Sericesthis insularis* (Lea, 1919)).

Paratype. C/2173 [handwritten] | CO-TYPE [handwritten, green label] | *Anodontonyx insularis*

Lea Stradbroke I. [handwritten] Cotype [handwritten in red at right angle] | PARATYPE *Anodontonyx insularis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Anodontonyx insularis* T2173 [handwritten] [blue label]; QM.

Paratype. CO-TYPE [handwritten, green label] | PARATYPE *Anodontonyx insularis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Anodontonyx insularis* T258275 [handwritten] [blue label]; QM.

Lea (1919) saw an unknown number of specimens and designated a specimen in SAM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) with the registration number I.4687. Neither of the ‘cotypes’ above was listed by Britton (1987) or Houston and Weir (1992), but they are undoubtedly paratypes as they bear typical Lea labels (similar to the upper label in Fig. 2 and lower label in Fig. 5), and both are listed in the handwritten QM type register (undated but before 1921) as ‘cotypes’ received from Lea.

***Anodontonyx niger* Lea, 1919**

Anodontonyx niger Lea, 1919: 219 (now *Sericesthis nigra* (Lea, 1919)).

Paratypes x2. Mounted on one card, left specimen [T2174] mounted laterally, right specimen [T258276] mounted ventrally down | C/2174 [handwritten] | CO-TYPE [handwritten, green label] | *Anodontonyx niger* Lea Tasmania [handwritten] Cotype [handwritten in red at right angle] | PARATYPES *Anodontonyx niger* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Anodontonyx niger* T2174 [handwritten] [blue label] | PARATYPE [typeset] *Anodontonyx niger* T258276 [handwritten] [blue label]; QM.

Lea (1919) saw an unknown number of specimens from Kempton, Parattah and Hobart, Tasmania, and designated a specimen in SAM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) with the registration number I.819. Neither of these ‘cotypes’ was listed by Britton (1987) or Houston and Weir (1992), but they are undoubtedly paratypes as they bear typical Lea labels (similar to the upper label in Fig. 2 and lower label in Fig. 5), and both are listed in the handwritten QM type register (undated but before 1921) as ‘cotypes’ received from Lea.

***Cheiragra sericeipennis* Lea, 1919**

Cheiragra sericeipennis Lea, 1919: 213.

Paratypes x2 ♂. Mounted on one card, left specimen [T2171] mounted ventrally down with ♂ [handwritten], right specimen [T258277] mounted ventrally up with ♂ [handwritten] | S. Johnstone R. Queensland H. W. Brown [typeset] | Form 2 [handwritten] | CO-TYPE [typeset, green label] | C/2171 [handwritten] | *Cheiragra sericeipennis* Lea Queensland [handwritten] Cotype [handwritten in red at right angle] | PARATYPES ♂ *Cheiragra sericeipennis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Cheiragra sericeipennis* T2171 ♂ [handwritten] [blue label] | PARATYPE [typeset] *Cheiragra sericeipennis* T258277 ♂ [handwritten] [blue label]; QM.

Lea (1919) saw at least 16 specimens and designated a specimen in SAM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) with the registration number I.4288. Neither of these ‘cotypes’ was listed by Britton (1987) or Houston and Weir (1992), but they are undoubtedly paratypes as they bear typical Lea labels (similar to the upper label in Fig. 2 and lower label in Fig. 5), and both are listed in the handwritten QM type register (undated but before 1921) as ‘cotypes’ received from Lea.

***Cheirhamphica insularis* Lea, 1919**

Cheirhamphica insularis Lea, 1919: 203 (junior synonym of *Cheirora interstitialis* (Blackburn, 1898)).

Paratype. Mounted on card | Stradbroke Isd. H. Hacker 17th Sept., 1915 [typeset] | CO-TYPE [typeset, green label] | C/2172 [handwritten] | *Cheirhamphica insularis* Lea Queensland [handwritten] Cotype [handwritten in red at right angle] | PARATYPE *Cheirhamphica insularis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Cheirhamphica insularis* T2172 [handwritten] [blue label]; QM.

Lea (1919) saw an unknown number of specimens and designated a specimen in SAM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) with the registration number I.10776. The specimen above was not listed by Britton (1957) but, given the typical Lea labels (similar to the upper label in Fig. 2 and lower label in Fig. 5), was correctly listed as

a paratype by Houston and Weir (1992). It is listed in the handwritten QM type register (undated but before 1921) as a ‘cotype’ received from Lea.

***Colpochila decolor* Britton, 1986**

Colpochila decolor Britton, 1986: 42.

Paratype ♂. PARATYPE [typeset, blue label] | Dividing Range, 15 km W. of Captain Billy Creek, Cape York Pen, N. Qld. 142°45' E, 11°40' S, 4-9.vii.1975 G.B. Monteith [typeset] | PARATYPE ♂ *Colpochila decolor* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71145 [typeset] | Unlisted PARATYPE *Colpochila decolor* Britton, 1986 P. Allsopp 2022 [typeset]; UQ.

Paratype ♂. PARATYPE [typeset, blue label] | Captain Billy Creek, Cape York Pen, N. Qld. 142°50' E, 11°40' S, 9-3.vii.1975 G.B. Monteith [typeset] | PARATYPE ♂ *Colpochila decolor* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71147 [typeset] | Unlisted PARATYPE *Colpochila decolor* Britton, 1986 P. Allsopp 2022 [typeset]; UQ.

Britton (1986) listed only one male paratype collected on 4–9 July at Captain Billy Creek (also in UQ) and did not list the male collected on 9–13 July. Both are clearly marked as paratypes (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1). Houston and Weir (1992) did not say how many paratypes were in UQ.

***Colpochila goerlingi* Britton, 1986**

Colpochila goerlingi Britton, 1986: 48.

Paratype. Ayer's Rock N.T. 1.ix.1958 E.N. Marks [handwritten] | at electric light [handwritten] | C.99 [handwritten, green label] | Para-type [typeset, circular, yellow border] | PARATYPE [typeset] *Colpochila goerlingi* mihi [handwritten] E.B. Britton [typeset] | Unlisted PARATYPE *Colpochila goerlingi* Britton, 1986 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Colpochila goerlingi* T227405 [handwritten] [blue label]; UQ.

Paratype. Ayer's Rock N.T. 1.ix.1958 E.N. Marks [handwritten] | at electric light [handwritten] | C.100 [handwritten, green label] | PARATYPE

[typeset] *Colpochila goerlingi* mihi [handwritten] E.B. Britton [typeset] | Unlisted PARATYPE *Colpochila goerlingi* Britton, 1986 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Colpochila goerlingi* T227406 [handwritten] [blue label]; UQ.

Britton (1986) did not list these two males, but they are clearly marked by him as paratypes (Fig. 8) and should be considered accordingly (ICZN, Article 72.4.1.1). Houston and Weir (1992) listed an undefined number of paratypes in PGA and UQ.

***Colpochila iota* Britton, 1986**

Colpochila iota Britton, 1986: 52.

Paratype ♀. PARATYPE [typeset, blue label] | Split Rock, 14 km S. of Laura, N. Qld. 23-26.vi.1975 G.B. Monteith [typeset] | PARATYPE ♀ *Colpochila iota* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71163 [typeset] | Unlisted PARATYPE *Colpochila iota* Britton, 1986 P. Allsopp 2022 [typeset]; UQ.

Britton (1986) listed a male paratype from Pat Creek [13.38°S, 142.88°E] as being in UQ, but we could not find it there. He did not list the female above, but it is clearly marked by him as a paratype (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1). Houston and Weir (1992) listed an undefined number of paratypes in UQ.

***Colpochila major* Britton, 1986**

Colpochila major Britton, 1986: 58.

Paratype ♀. Pilliga Scrub, 40 mls. [miles] S. of Narrabri, NSW. 19-20 Oct., 1973 G.B. Monteith [typeset] | PARATYPE ♀ *Colpochila maria* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | PARATYPE ♀ *Colpochila major* Britton, 1986 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Colpochila major* ♀ UQIC71166 [handwritten] [blue label]; UQ.

Paratype ♂. Middle Ridge, Qld. 1-13 Jan. 1964. A. Macqueen [typeset] | PARATYPE ♂ *Colpochila maria* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | PARATYPE ♂ *Colpochila major* Britton, 1986 P. Allsopp 2022

[typeset] | PARATYPE [typeset] *Colpochila major* ♂ UQIC71167 [handwritten] [blue label]; UQ.

Paratype ♂. Finch Hatton Gorge via Finch Hatton N.Q. 3.xi.1969 T. Weir [typeset] | PARATYPE ♂ *Colpochila maria* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | PARATYPE ♂ *Colpochila major* Britton, 1986 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Colpochila major* ♂ UQIC71168 [handwritten] [blue label]; UQ.

These specimens key to *Colpochila major* Britton, 1986 in Britton (1986), and were listed as paratypes under that name. They bear typical Britton labels (similar to Fig. 7), but *Colpochila* ‘maria’ was not published and therefore these specimens only have nomenclatural status under the published name *Colpochila major*. Houston and Weir (1992) listed an undefined number of paratypes in UQ.

***Colpochila maura* Britton, 1986**

Colpochila maura Britton, 1986: 59.

Paratype ♂. Aedeagus mounted on card | PARATYPE [typeset, blue label] | Sydney Deane. [typeset] | PARATYPE ♂ *Colpochila maura* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71115 [typeset] | Unlisted PARATYPE *Colpochila maura* Britton, 1986 P. Allsopp 2022 [typeset]; UQ.

Britton (1986) did not list any paratypes from QM or UQ, but this one is clearly marked by him as a paratype (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1). Houston and Weir (1992) listed an undefined number of paratypes in UQ.

***Colpochila pubescens* Britton, 1986**

Colpochila pubescens Britton, 1986: 71.

Paratype ♀. PARATYPE [typeset, blue label] | Isla Gorge Via Theodore, Qld. 9-10.ix.1972 G.B. Monteith [typeset] | PARATYPE ♀ *Colpochila pubescens* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71174 [typeset] | Unlisted PARATYPE *Colpochila pubescens* Britton, 1986 P. Allsopp 2022 [typeset]; UQ.

Britton (1986) did not list a female paratype from Isla Gorge, but the specimen above is clearly marked by him as a paratype (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1). Houston and Weir (1992) listed an undefined number of paratypes in QM and UQ.

***Colpochila rubida* Britton, 1986**

Colpochila rubida Britton, 1986: 74.

Paratype ♂. Aedeagus mounted on card | PARATYPE [typeset, blue label] | Curtin Springs H'stead [Homestead] N.T. 23.iv.1978 P. Allsopp [handwritten] | PARATYPE ♂ *Colpochila rubida* sp. N. [handwritten] E.B. Britton det. 1981 [typeset except 81 in date handwritten in blue, with 8 overwriting a typeset 7] | Peter Allsopp Collection Donated Dec 2017 [typeset] | QM Reg. No. T246936 [typeset, yellow label] | Unlisted PARATYPE *Colpochila rubida* Britton, 1986 P. Allsopp 2022 [typeset]; QM.

Britton (1986) did not list this paratype, but it was clearly marked by him as a paratype (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1). The data are consistent with the holotype in ANIC. Houston and Weir (1992) did not list any paratypes in QM or UQ.

***Diphucephala dicksoniae* Lea, 1930**

Diphucephala dicksoniae Lea, 1930: 451.

Syntypes x1♂, x1♀. Mounted on one card, right specimen [T4452] mounted laterally and labelled with ♀ [handwritten], left specimen [T258292] labelled ♂ [handwritten] | Eccleston N. S. Wales J. Hopson [typeset] | 4452. [handwritten in red] | SYNTYPES *Diphucephala dicksoniae* Lea, 1930 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Diphucephala dicksoniae* ♀ T4452 [handwritten] [red label] | SYNTYPE [typeset] *Diphucephala dicksoniae* ♀ T258292 [handwritten] [red label]; QM.

Lea (1930) did not designate a holotype or say how many specimens he saw and where they were deposited. Houston and Weir (1992) referred to syntypes and these two specimens are undoubtedly part of that series as they are listed in the handwritten QM type register as received from Lea on 2 July 1930. A lectotype designation is warranted.

***Diphucephala glabra* Lea, 1930**

Diphucephala glabra Lea, 1930: 451.

Syntypes x2♂. Mounted on one card, right specimen [T4452] labelled with ♂ [handwritten], left specimen [T258293] labelled with ♂ [handwritten] | *glabra* [handwritten] Lea, Co-type [typeset] | Eccleston N. S. Wales J. Hopson [typeset] | 4450 [handwritten in red] | *Diphucephala glabra* Lea N. S. Wales [handwritten] Cotype [handwritten in red at right angle] | SYNTYPES ♂ *Diphucephala glabra* Lea, 1930 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Diphucephala glabra* ♂ T4452 [handwritten] [red label] | SYNTYPE [typeset] *Diphucephala glabra* ♂ T258293 [handwritten] [red label]; QM.

Lea (1930) did not designate a holotype or say where they were deposited; he saw 19 males. Houston and Weir (1992) referred to syntypes, including the two males above in QM and they bear Lea's labels (similar to the lower labels in Figs. 2 and 5) and are listed in the handwritten QM register of types as received from Lea on 2 July 1930. A lectotype designation is warranted.

***Diphucephala insularis* Lea, 1916**

Diphucephala insularis Lea, 1916: 297.

Specimens x2. Mounted on one card | Stradbroke Island: H. Hacker [typeset] 2/10/11 H. Hacker [typeset] | green blank label | *D. insularis* Lea [handwritten] Id. By A.M. Lea [typeset]; QM.

Specimens x2. Mounted on one card | Stradbroke Island: H. Hacker [typeset] 2/10/11 H. Hacker [typeset] | green blank label; QM.

Lea (1916) saw material collected by Hacker on Stradbroke Island and housed in QM. He defined a 'type' (i.e., holotype: ICZN, Article 73.1.1), presumably in SAM, and Houston and Weir (1992) listed an undefined number of paratypes in QM. There are four specimens in QM with the data above, but none bear labels indicating Lea saw them before publishing the description. The 'Id. By A.M. Lea' label on one pair would indicate that Lea saw them after publication; therefore, these specimens have no nomenclatural status.

***Diphucephala parviceps* Lea, 1924**

Diphucephala parviceps Lea, 1924: 293.

Syntype ♂. Mounted on card marked with ♂ [handwritten] | National Pk., Q. H. Hacker Dec., 1921. [typeset] | C/2797 [handwritten] | *Diphucephala parviceps* [handwritten] Lea, Co-type [typeset] | SYNTYPE ♂ *Diphucephala parviceps* Lea, 1924 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Diphucephala parviceps* ♂ T2797 [handwritten] [red label]; QM.

Syntypes x4 ♂. Mounted on one card, each specimen marked with ♂ [handwritten] | C/2797 [handwritten] | National Pk., Q. H. Hacker Dec., 1921. [typeset] | SYNTYPES ♂ *Diphucephala parviceps* Lea, 1924 P. Allsopp 2022 [typeset] | SYNTYPES [typeset] *Diphucephala parviceps* ♂ T258293-297 [handwritten] [red label]; QM.

Lea (1924) did not designate a holotype or say how many specimens he saw and where they were deposited, but he did say that the syntypes were collected either by Hacker or Illidge. Six ‘cotypes’ are listed in the handwritten QM type register (undated but before 1921) as being received from Lea on 19 October 1923. Houston and Weir (1992) referred to only the syntypes in SAM. The five specimens above were undoubtedly seen by Lea as they bear his label (similar to the lower label in Fig. 2), and his gender symbols. They are syntypes and a lectotype designation is warranted. There are three additional specimens in QM collected by Illidge but not listed as syntypes in the QM register, and they bear none of Lea’s labels.

***Haplonycha bidentipes* Lea, 1926**

Haplonycha bidentipes Lea, 1926: 56 (now *Colpochila bidentipes*).

Paratype. Groote Eylandt N. Territory N.B. Tindale [typeset, green label] | C/2799 [handwritten] | *Haplonycha bidentipes* [handwritten] Lea, Co-type [typeset] | PARATYPE *Haplonycha bidentipes* Lea, 1926 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Haplonycha bidentipes* T2799 [handwritten] [blue label]; QM.

Paratype. Groote Eylandt N. Territory N.B. Tindale [typeset, green label] | C/2799 [handwritten] |

Co-type [typeset] | PARATYPE *Haplonycha bidentipes* Lea, 1926 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Haplonycha bidentipes* T258280 [handwritten] [blue label]; QM.

Lea (1926) saw ‘numerous’ specimens and designated a specimen in SAM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) with the registration number I.15483. He did not say where the paratypes were deposited but two ‘cotypes’ are listed in the handwritten QM type register as being received from Lea on 19 October 1923. These QM specimens were not listed by Britton (1986) or Houston and Weir (1992) but are undoubtedly paratypes; one bears a typical Lea label (similar to the lower label in Fig. 2).

***Haplonycha brevisetosa* Lea, 1930**

Haplonycha brevisetosa Lea, 1930: 455 (now *Colpochila brevisetosa*).

Paralectotype. N.E. Corner [handwritten] S. Australia [typeset] F. Parsons [handwritten] | 4457 [handwritten] | *Haplonycha brevisetosa* [handwritten] Lea, Co-type [typeset] | PARALECTOTYPE *Haplonycha brevisetosa* Lea, 1930 P. Allsopp 2022 [typeset] | PARALECTOTYPE [typeset] *Haplonycha brevisetosa* T4457 [handwritten] [blue label]; QM.

Lea (1930) saw at least three specimens but did not designate a holotype. Britton (1986) designated a lectotype in SAM and noted the specimen above with Lea’s ‘cotype’ label; he did not designate the latter a paralectotype as it was not referred to in Lea’s (1930) description. However, it was clearly marked by Lea as a ‘cotype’ (similar to the lower label in Fig. 2) and is listed in the handwritten QM register of types as one received from Lea on 3 July 1930. It should be considered as a paralectotype.

***Haplonycha cara* Lea, 1917**

Haplonycha cara Lea, 1917: 507 (junior synonym of *Colpochila bella* Blackburn, 1890).

Paratype ♀. Karoonda to Peebing S.A. G.E.H. Wright [typeset] | ♀ [handwritten] | C/2183 [handwritten] | CO-TYPE [typeset, green label] | *Haplonycha cara* Lea S. Australia [handwritten] Cotype [handwritten in red at right angle] | PARATYPE ♀ *Haplonycha cara* Lea, 1917 P. Allsopp 2022 [typeset] | PARATYPE

[typeset] *Haplonycha cara* T2183 ♀ [handwritten] [blue label]; QM.

Paratype. Karoonda to Peebing S.A. G.E.H. Wright [typeset] | CO-TYPE [typeset, green label] | PARATYPE *Haplonycha cara* Lea, 1917 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Haplonycha cara* T258283 [handwritten] [blue label]; QM.

Lea (1917) did not state how many specimens he saw but designated a male in SAM as the ‘type’ (i.e., holotype: ICZN, Article 73.1.1) with the registration number I.462. Britton (1986) listed two paratypes in QM and both are listed in the handwritten QM type register (undated but before 1921) as ‘cotypes’ received from Lea. Both specimens are undoubtedly paratypes, as they bear typical Lea labels (similar to the labels in Fig. 2).

***Haplonycha iridea* Lea, 1930**

Haplonycha iridea Lea, 1930: 457 (now *Colpochila iridea*).

Syntype. 4451 [handwritten in red] | Minnipa S. Australia H.A. Johnson [typeset] | *Haplonycha iridea* [handwritten] Lea, Co-type [typeset] | SYNTYPE *Haplonycha iridea* Lea, 1930 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Haplonycha iridea* T4451 [handwritten] [red label]; QM.

Syntype. 4451 [handwritten in red] | Minnipa S. Australia H.A. Johnson [typeset] | SYNTYPE *Haplonycha iridea* Lea, 1930 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Haplonycha iridea* T258284 [handwritten] [red label]; QM.

Lea (1930) saw an unknown number of specimens (‘abundant at lights’) but did not designate a holotype or state how many specimens he saw (he saw at least one male and one female). The handwritten QM type register lists a ‘cotype’ (number not defined) received from Lea on 2 July 1930 and one of the two above [T4451] bears a typical Lea label (similar to the lower label in Fig. 2). Britton (1986) referred to a supposed holotype in SAM and 38 paratypes, including the two in QM, and Houston and Weir (1992) listed only a male holotype in SAM. As neither Britton (1986) or Houston and Weir (1992) defined the holotype in SAM, neither mention of a holotype constitutes a valid lectotype designation (vide ICZN, Article 74.5). A lectotype designation is warranted.

***Haplonycha tindalei* Lea, 1926**

Haplonycha tindalei Lea, 1926: 55 (now *Colpochila tindalei*).

Paratype ♀. Cotype [typeset on card glued onto second card] | ♀ [typeset on card glued onto second card] | Groote Eylandt N. Territory N.B. Tindale [typeset, green label] | C/2798 [handwritten] | *Haplonycha tindalei* [handwritten] Lea, Co-type [typeset] | PARATYPE *Haplonycha tindalei* Lea, 1926 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Haplonycha tindalei* T2798 ♀ [handwritten] [blue label]; QM.

Paratype ♂. ♂ [typeset on card glued onto second card] | Groote Eylandt N. Territory N.B. Tindale [typeset, green label] | C/2798 [handwritten] | PARATYPE *Haplonycha tindalei* Lea, 1926 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Haplonycha tindalei* T258285 ♂ [handwritten] [blue label]; QM.

Lea (1926) designated a ‘type’ (i.e., holotype: ICZN, Article 73.1.1) in SAM with the registration number I.15478 but did not state how many specimens he saw (‘taken abundantly at lights’) or where they were deposited. The QM specimens were not listed by Britton (1986) or Houston and Weir (1992) but are undoubtedly paratypes, as one bears a typical Lea label (similar to the lower label in Fig. 2) and are listed in the handwritten QM register as ‘cotypes’ received from Lea on 19 October 1923.

***Haplonycha villosa* Lea, 1917**

Haplonycha villosa Lea, 1917: 506 (now *Colpochila villosa*).

Paratype. Cunnamulla Q H. Hardcastle [typeset] | C/2182 [handwritten] | CO-TYPE [typeset, green label] | *Haplonycha villosa* Lea Queensland [handwritten] Cotype [handwritten in red at right angle] | PARATYPE *Haplonycha villosa* Lea, 1917 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Haplonycha villosa* T2182 [handwritten] [blue label]; QM.

Lea (1917) designated a ‘type’ (i.e., holotype: ICZN, Article 73.1.1) in SAM with the registration number I.801 but saw numerous specimens without stating exactly how many. The QM paratype was not listed by Britton (1986) or Houston and Weir (1992) but is

undoubtedly a paratype as it bears typical Lea labels (similar to Fig. 5) and is listed in the handwritten QM type register (undated but before 1921) as a ‘cotype’ received from Lea.

***Homolotropus sagus* Britton, 1970**

Homolotropus sagus Britton, 1970: 43.

Paratype ♂. Type [typeset, circular, red border] [two identical labels] | Gordonvale, Q. [typeset] 21-11-53 [handwritten] B.E. Hitchcock [typeset] | T.5765 [handwritten] | 36 [handwritten] | C.I.E. COLL. NO. [typeset] 16070 [handwritten] | HOLOTYPE ♂ *Homolotropus sagus mihi* [handwritten] E.B. Britton det. 1958 [typeset except 8 in date handwritten] | PARATYPE ♂ *Homolotropus sagus* Britton, 1970 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Homolotropus sagus* ♂ T5765 [handwritten] [blue label]; QM.

Although this specimen was clearly labelled by Britton as the holotype, the validly published holotype is from Mount Lewis and is in ANIC (Britton 1970, 1987) and is also labelled as the holotype. The specimen above is listed as a paratype in Britton (1970).

***Lepidiota consobrina* Girault, 1918**

Lepidiota consobrina Girault, 1918: 183.

‘Holotype’ ♂. Aedeagus mounted on card | *Lepidiota consobrina* [handwritten] | Kuranda [typeset] | C/2815. [handwritten] | *Lepidiota consobrina* Kuranda N.Q. Gir. [handwritten] TYPE [handwritten in red at right angle] | Not holotype Locality wrong P. Allsopp 2018 [handwritten] | QM Reg. No. T2815 [handwritten, yellow label]; QM.

Gordonvale is given as the only locality in Girault (1918), so the Kuranda specimen above cannot be considered as the holotype (Allsopp 2020). Adults and larvae are well characterised, so there is no need to designate a neotype.

***Liparetrus cantrelli* Britton, 1980**

Liparetrus cantrelli Britton, 1980: 136.

Paratype ♂. Mounted on micropin | PARATYPE [typeset, blue label] | Horn Islet, Pellew Group [Sir Edward Pellew Group], N.T. 1–7 Feb. 1968 B. Cantrell [typeset] | PARATYPE ♂ *Liparetrus*

cantrelli sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | QM Reg. No. T174969 [typeset, yellow label] | Unlisted PARATYPE *Liparetrus cantrelli* Britton, 1980 P. Allsopp 2022 [typeset]; QM.

Britton (1980) listed the holotype and three female paratypes as being stored in UQ but they are now in QM. He did not list a male paratype in QM or UQ. The one above was clearly marked by him as a paratype (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1).

***Liparetrus flavus* Lea, 1917**

Liparetrus flavus Lea, 1917: 550.

Paratypes x2. Mounted on one card, mounted laterally, left specimen [T2178], right specimen [T258286] | Murray R, S.A. F.R. Zeitz [typeset] | CO-TYPE [typeset, green label] | C/2178 [handwritten] | *Liparetrus flavus* Lea S. Australia [handwritten] Cotype [handwritten in red at right angle] | PARATYPES *Liparetrus flavus* Lea, 1917 P. Allsopp 2022 [typeset] | PARATYPES [typeset] *Liparetrus flavus* T2178 & T258286 [handwritten] [blue label]; QM.

Lea (1917) designated a ‘type’ (i.e., holotype: ICZN, Article 73.1.1) in SAM with the registration number I.7850 from an undefined number of specimens he saw. He did not say where the paratypes were deposited. The QM specimens were not listed by Britton (1980) or Houston and Weir (1992) but are undoubtedly paratypes, as they bear typical Lea labels (similar to the upper label in Fig. 2 and the lower label in Fig. 5) and are listed in the handwritten QM register (undated but before 1921) as ‘cotypes’ received from Lea.

***Liparetrus karallus* Britton, 1980**

Liparetrus karallus Britton, 1980: 76.

Paratype ♀. PARATYPE [typeset, blue label] | 35 mi. [miles] E. of Menindee, N.S.W. 1.iv.1969 G.B. Monteith [typeset] | PARATYPE ♀ *Liparetrus karallus* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | QM Reg. No. T174970 [typeset, yellow label] Unlisted PARATYPE

Liparetrus karallus Britton, 1980 P. Allsopp 2022 [typeset]; QM.

This paratype was not listed by Britton (1980) or Houston and Weir (1992) but was clearly marked by Britton as a paratype (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1).

***Liparetrus melaleucae* Lea, 1917**

Liparetrus melaleucae Lea, 1917: 540 (junior synonym of *Liparetrus bituberculatus* Macleay, 1886).

Paratypes x2. Each on a micropin through a single card, left specimen [T2178], right specimen [T258287] | Cook's Plains flow. Melal. 3.11.87 Tepper // *Liparetrus bituberculatus* Cook's R. Macl. 1887 Typhus [handwritten] | C/2179 [handwritten] | CO-TYPE [typeset, green label] | *Liparetrus melaleucae* [handwritten] Lea, Co-type [typeset] | PARATYPES *Liparetrus melaleucae* Lea, 1917 P. Allsopp 2022 [typeset] | PARATYPES [typeset] *Liparetrus melaleucae* T2178 & T258287 [handwritten] [blue label]; QM.

Lea (1917) designated a 'type' (i.e., holotype: ICZN, Article 73.1.1) from 'Cook Plains' [Cooke Plains, 35.378°S, 139.561°E] in SAM with the registration number I.480 from the 14 specimens he saw. He did not say where the paratypes were deposited. These specimens were not listed by Britton (1980) or Houston and Weir (1992) but are undoubtedly paratypes, as they bear typical Lea labels (similar to Fig. 2) and are listed in the handwritten QM register (undated but before 1921) as 'cotypes' received from Lea.

***Liparetrus nigrifrons* Britton, 1980**

Liparetrus nigrifrons Britton, 1980: 99.

Paratype. PARATYPE [typeset, blue label] | Karratha, W.A. 15.ii.1973, E.M. Exley on *Eucalyptus* sp. [typeset] | PARATYPE *Liparetrus nigrifrons* sp. N. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | Unlisted PARATYPE *Liparetrus nigrifrons* Britton, 1980 P. Allsopp 2022 [typeset] | QM Reg. No. T258288 [typeset, yellow label]; UQ.

This paratype was not listed by Britton (1980) or Houston and Weir (1992) but was clearly marked by

Britton as a paratype (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1).

***Liparetrus politus* Britton, 1980**

Liparetrus politus Britton, 1980: 112.

Paratype ♂. PARATYPE [typeset, blue label] | Dunmarra Motel, 100 Km North of Elliott, N.T. Nov. 14, 1974 E.M. Exley & R.I. Storey at light [typeset] | PARATYPE ♂ *Liparetrus politus* sp. N. [handwritten in blue] E.B. Britton det. 1978 [typeset except 78 in date handwritten in blue, with 7 overwriting a typeset 6] | Unlisted PARATYPE *Liparetrus politus* Britton, 1980 P. Allsopp 2022 [typeset] | QM Reg. No. T258289 [typeset, yellow label]; UQ.

Paratype ♂. PARATYPE [typeset, blue label] | Dunmarra Motel, 100 Km North of Elliott, N.T. Nov. 14, 1974 E.M. Exley & R.I. Storey at light [typeset] | PARATYPE ♂ *Liparetrus politus* sp. N. [handwritten in blue] E.B. Britton det. 1978 [typeset except 78 in date handwritten in blue, with 7 overwriting a typeset 6] | Unlisted PARATYPE *Liparetrus politus* Britton, 1980 P. Allsopp 2022 [typeset] | QM Reg. No. T258290 [typeset, yellow label]; UQ.

These paratypes were not listed by Britton (1980) or Houston and Weir (1992) but were clearly marked by Britton as paratypes (similar to Fig. 7) and should be considered accordingly (ICZN, Article 72.4.1.1).

***Maechidinus marginalis* Lea, 1919**

Maechidinus marginalis Lea, 1919: 232.

Paratype. W. Austr [typeset] | C/2177 [handwritten] | CO-TYPE [typeset, green label] | *Maechidinus marginalis* Lea W. Australia [handwritten] Cotype [handwritten in red at right angle] | PARATYPE *Maechidinus marginalis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Maechidinus marginalis* T2177 [handwritten] [blue label]; QM.

Lea (1919) designated a specimen in the Macleay Museum as the 'type' (i.e., holotype: ICZN, Article 73.1.1) and gave it the registration number I.10796; the other nine specimens in the type series are paratypes. This specimen was not listed in Britton (1957) or Houston and Weir (1992) but is undoubtedly a paratype as it bears typical Lea labels (similar to Fig. 2) and is one of two listed in the handwritten QM register (undated but before 1921)

as a 'cotype' received from Lea. We have not found the second specimen.

***Maechidius hackeri* Lea, 1919**

Maechidius hackeri Lea, 1919: 229.

Holotype. Hackeri [handwritten] Lea, TYPE [typeset] Buderim Mtn [handwritten] | TYPE [typeset, pink label] | C/2175 [handwritten] | *Maechidius hackeri* Lea In Queensland Mus. [handwritten] TYPE [handwritten in red at right angle] | In general appearance obviously close to *variolosus*, but each tarsal claw has a quill at its base, so that it belongs in a different section of the genus. This is a very interesting species & I would be glad to receive several for the S. Aus. Mus. [handwritten by Lea] | HOLOTYPE *Maechidius hackeri* Lea, 1919 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Maechidius hacker* T2175 [handwritten] [red label]; QM.

Britton could not find the holotype (designated by monotypy) in QM in December 1948 and proceeded to designate a neotype deposited in SAM (Britton 1957). This was followed by Houston and Weir (1992). However, given its typical Lea labels (similar to the lower labels in Figs. 2 and 5) and its listing in the handwritten QM register (undated but before 1921) as a 'type' (i.e., holotype: ICZN, Article 73.1.1) received from Lea, there is no doubt that the QM specimen is the holotype designated by Lea (1919), so Britton's neotype designation should be set aside (ICZN, Article 75.8).

***Maechidius stradbrokensis* Lea, 1919**

Maechidius stradbrokensis Lea, 1919: 230.

Holotype. Stradbrokensis [handwritten] Lea, TYPE [typeset] Stradbroke I. [handwritten] | TYPE [typeset, pink label] | C/2176 [handwritten] | *Maechidius stradbrokensis* Lea Stradbroke I. [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE *Maechidius stradbrokensis* Lea, 1919 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Maechidius stradbrokensis* T2176 [handwritten] [red label]; QM.

Paratype. Stradbroke Island H. Hacker [typeset] 3.12.12 [handwritten] | CO-TYPE [typeset, green label] | PARATYPE *Maechidius stradbrokensis* Lea, 1919 P. Allsopp 2022 [typeset] PARATYPE [typeset]

Maechidius stradbrokensis T258298 [handwritten] [blue label]; QM.

Britton (1957) listed the holotype as being in SAM, but Lea (1919) stated that the 'type' (i.e., holotype: ICZN, Article 73.1.1) was in QM and a 'cotype' (i.e., a paratype) was in SAM. Both are listed as such in the handwritten QM register (undated but before 1921) and were received from Lea. Lea (1919) did not list any further specimens, but the paratype above has typical Lea labels (similar to the lower labels in Figs. 2 and 5), is undoubtedly part of the type series, and was correctly listed as a paratype by Houston and Weir (1992).

***Phyllotocus basicollis* Lea, 1919**

Phyllotocus basicollis Lea, 1919: 199 (now *Cheirodontus basicollis*).

Holotype ♀. Mounted on card marked with ♀ [handwritten] | Brisbane H. Hacker [typeset] 12/11/12 [handwritten] | basicollis [handwritten] Lea, TYPE [typeset] Brisbane [handwritten] | C/2170 [handwritten] | TYPE [typeset, pink label] | *Phyllotocus basicollis* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE ♀ *Phyllotocus basicollis* Lea, 1919 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Phyllotocus basicollis* ♀ T2170 [handwritten] [red label]; QM.

Lea (1919) designated the specimen in QM as the 'type' (i.e., holotype: ICZN, Article 73.1.1) and another specimen in SAM as a 'cotype' (i.e., a paratype). Given the typical Lea labels (similar to the lower labels in Figs. 2 and 5) on the QM specimen and that it is listed in the QM register (undated but before 1921) as a 'type' received from Lea, it is undoubtedly the holotype and was considered as such by Britton (1957) and Houston and Weir (1992).

***Phyllotocus bimaculatus insularis* Lea, 1919**

Phyllotocus bimaculatus insularis Lea, 1919: 196 (junior synonym of *Phyllotocus basalis* Lea, 1919).

Syntypes x2. Mounted on one card | Bribie Isd. 5.11.13. H. Hacker [handwritten] | C/2346 [handwritten] | Types of Var [handwritten in red] P. bimaculatus var. *insularis* Lea Bribie I. 2 [handwritten] | SYNTYPES *Phyllotocus bimaculatus insularis* Lea, 1919 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Phyllotocus*

bimaculatus insularis T2346 [handwritten] [red label] | SYNTYPE [typeset] Phyllotocus bimaculatus insularis T258278 [handwritten] [red label]; QM.

Lea (1919) apparently saw three specimens but did not designate a holotype. Britton (1957) listed a 'type' but did not say where the specimen was housed, and Houston and Weir (1992) listed an undefined number of syntypes in SAM. Given that they bear typical Lea labels and that they are listed as 'type' in the handwritten QM register (undated but before 1921) and being received from Lea on 6 June 1921, these two are undoubtedly syntypes. A lectotype designation is warranted.

***Phyllotocus cribriceps* Lea, 1919**

Phyllotocus cribriceps Lea, 1919: 201 (now *Anthotocus cribriceps*).

Holotype ♂ and **paratype** ♂. Mounted on one card, left specimen [T258279] mounted ventrally up with ♂ [handwritten], right specimen [T2169] mounted ventrally down with ♂ and TY [both handwritten] | C/2169 [handwritten] | cribriceps [handwritten] Lea, TYPE [typeset] Mapleton [handwritten] | Mapleton 3.11.12 [handwritten] | TYPE [typeset, pink label] | *Phyllotocus cribriceps* Lea Queensland [handwritten] TYPE [handwritten at right angle] | HOLOTYPE ♂ (Right) PARATYPE ♂ (Left) *Phyllotocus cribriceps* Lea, 1919 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Phyllotocus cribriceps* T2169 ♂ [handwritten] [red label] | PARATYPE [typeset] *Phyllotocus cribriceps* T258279 ♂ [handwritten] [blue label]; QM.

Lea (1919) designated the specimen in QM as the 'type' (i.e., holotype: ICZN, Article 73.1.1) and another specimen in SAM as a 'cotype' (i.e., a paratype). The TY notation in Lea's handwriting identifies the right specimen as the holotype. The left specimen is undoubtedly a paratype. The handwritten QM type register (undated but before 1921) lists two specimens received from Lea as 'type' and they bear typical Lea labels (similar to the lower labels in Figs. 2 and 5). Britton (1957) and Houston and Weir (1992) listed only a syntype in QM.

***Pseudoheteronyx basicollis* Lea, 1919**

Pseudoheteronyx basicollis Lea, 1919: 221.

Paratype. C/2186 [handwritten] | CO-TYPE [typeset, green label] | metaleg on card | PARATYPE *Pseudoheteronyx basicollis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Pseudoheteronyx basicollis* T2186 [handwritten] [blue label]; QM.

Paratype. T'ba [Toowoomba] Q. 1908 [handwritten] Hamlyn-Harris [typeset] | *Pseudoheteronyx basicollis* Lea Queensland [handwritten] Cotype [handwritten in red at right angle] | PARATYPE *Pseudoheteronyx basicollis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Pseudoheteronyx basicollis* T258299 [handwritten] [blue label]; QM.

Lea (1919) designated the 'type' (i.e., holotype: ICZN, Article 73.1.1) as I.4847 in SAM and listed other paratype/s from Toowoomba in QM. The handwritten QM type register (undated but before 1921) lists two cotypes received from Lea. Houston and Weir (1992) listed paratype/s in QM but did not say how many. The two specimens above are undoubtedly paratypes as they bear typical Lea labels (either the lower label in Fig. 5 or the upper label in Fig. 2).

***Pseudoheteronyx puncticollis* Lea, 1919**

Pseudoheteronyx puncticollis Lea, 1919: 222.

Holotype. Puncticollis [handwritten] Lea, TYPE [typeset] Camooweal [handwritten] | TYPE [typeset, pink label] | C/2187 [handwritten] | *Pseudoheteronyx puncticollis* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE *Pseudoheteronyx puncticollis* Lea, 1919 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] *Pseudoheteronyx puncticollis* T2187 [handwritten] [red label]; QM.

Lea (1919) saw only one specimen in QM (i.e., the holotype was designated by monotypy); this is listed in the handwritten QM type register (undated but before 1921) as a 'type' received from Lea and it bears typical Lea labels (similar to the lower ones in Figs. 2 and 5). Britton (1988) listed the holotype as being in SAM, but this was corrected by Houston and Weir (1992).

***Pseudoheteronyx seticollis* Lea, 1919**

Pseudoheteronyx seticollis Lea, 1919: 220 (junior synonym of *Pseudoheteronyx creber* Blackburn, 1908).

Paratype. Mt. Kosciusko [Kosciuszko] Dec.10-31.99 B. Ingleby [handwritten] | C/2185 [handwritten] | CO-TYPE [typeset, green label] | PARATYPE *Pseudoheteronyx seticollis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Pseudoheteronyx seticollis* T2185 [handwritten] [blue label]; QM.

Paratype. Mt. Kosciusko [Kosciuszko] Dec.10-31.99 B. Ingleby [handwritten] | *Pseudoheteronyx seticollis* Lea N. S. Wales [handwritten] Cotype [handwritten in red at right angle] | PARATYPE *Pseudoheteronyx seticollis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Pseudoheteronyx seticollis* T258300 [handwritten] [blue label]; QM.

Lea (1919) designated a ‘type’ (i.e., holotype: ICZN, Article 73.1.1) in SAM with the registration number I.589 and saw 11 specimens in total. The handwritten QM type register (undated but before 1921) lists two ‘cotypes’ received from Lea. Britton (1988) and Houston and Weir (1992) listed only the holotype. These two specimens are undoubtedly paratypes as each bears a typical Lea label (similar to the lower label in Fig. 5 or the upper label in Fig. 2).

***Sericesthis minima* Britton, 1987**

Sericesthis minima Britton, 1987: 750.

Paratype. UQIC Reg. #71829 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 30.10.55 [handwritten] D. Ratan [typeset] | PARATYPE [typeset] *Sericesthis minima* mihi [handwritten] E.B. Britton. [typeset] | C.26 [handwritten, green label] | Unlisted PARATYPE *Sericesthis minima* Britton, 1987 P. Allsopp 2022 [typeset]; UQ.

Paratype. Mounted on micropin | UQIC Reg. #71833 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane, Qld. 13 Oct 1961 M. Tesch [handwritten] | PARATYPE [typeset] *Sericesthis minima* mihi [handwritten] E.B. Britton. [typeset] | C.21 [handwritten, green label] | Unlisted PARATYPE *Sericesthis minima* Britton, 1987 P. Allsopp 2022 [typeset]; UQ.

Britton (1987) did not list the specimen collected by Ratan on 30 October or the specimen collected by Tesch as paratypes. Both are clearly marked by him as paratypes (similar to Fig. 8) and should be considered accordingly (ICZN, Article 72.4.1.1).

***Sericesthis serena* Britton, 1987**

Sericesthis serena Britton, 1987: 751.

Paratype ♀. PARATYPE [typeset, blue label] | Bellenden-Ker Range, NQ ½km S Cable Tower No 7 500m, Oct 25-31, 1981 EARTHWATCH/QLD. MUSEUM [typeset] | *Sericesthis* sp. N. No. 2 ♀ [handwritten] E.B. Britton det. 1983 [typeset except 3 in date handwritten] | PARATYPE *Sericesthis serena* Britton 1987 P. Allsopp 2022 [typeset] | QM Reg. No. T258301 [typeset, yellow label]; QM.

Paratype. PARATYPE [typeset, blue label] | Bellenden Ker Range, NQ Cableway Base Stn, 100m, Oct 25-31, 1981 EARTHWATCH/QLD. MUSEUM [typeset] | beating rainforest foliage [typeset] | PARATYPE *Sericesthis serena* Britton 1987 P. Allsopp 2022 [typeset] | QM Reg. No. T258302 [typeset, yellow label]; QM.

Both specimens lack a conclusive identification by Britton but were listed as paratypes in Britton (1987) and Houston and Weir (1992) and have characteristic ANIC paratype labels (similar to the upper label in Fig. 7).

Subfamily DYNASTINAE

***Cheiroplatys excavatus* Lea, 1917**

Cheiroplatys excavatus Lea, 1917: 571.

‘Paratype ♂. UQIC Reg. #70887 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Illidge [typeset] | UQ [typeset] | *Cheiroplatys excavatus* Lea P.B. Carne det. 1954 [handwritten] | Not a PARATYPE Locality and collector not listed by Lea P. Allsopp 2022 [typeset] | PARATYPE [typewritten] *Cheiroplatys excavatus* ♂ UQIC70887 [handwritten] [blue label]; UQ.

Lea (1917) described this species from more than one male and at least one female from South Johnstone River (collected by H.W. Brown) and Cairns district (collected by A.M. Lea) and designated a ‘type’ (i.e., holotype: ICZN, Article 73.1.1) in SAM with the registration number I.2329. The paratype label

appears to have been added by Carne, as it is the format used in NHML where he was in 1954; he listed the specimen but correctly did not claim it as part of the type series. Cassis and Weir (1992c) also did not list it as part of the type series. This specimen has no nomenclatural status.

***Corynophyllus elricus* Carne, 1957**

Corynophyllus elricus Carne, 1957: 186.

Holotype ♂. Aedeagus mounted on card | Type [typeset, circular, red border] | Kabunga via Goomene DR. H. Young 8.10.46. [handwritten] | Holotype ♂ *Corynophyllus elricus* mihi [handwritten] P.B. Carne det. 1953 [typeset except 3 in date handwritten] T.5295 [handwritten at right angle]; QM.

Carne (1957) listed the holotype as being in the collection of the Queensland Department of Agriculture and Stock (as it was known at the time) and Cassis and Weir (1992c) listed it in its successor the Queensland Department of Primary Industries, but all holotypes (but not the paratypes) in that collection were transferred to QM.

***Corynophyllus macdougalli* Carne, 1957**

Corynophyllus macdougalli Carne, 1957: 181.

Holotype ♂. Type [typeset, circular, red border] | Stanthorpe Q 22.10.23 [handwritten] | UQ [typeset] | T.5293. [handwritten] Holotype ♂ *Corynophyllus macdougalli* mihi [handwritten in blue] P.B. Carne det. 1952 [typeset except 2 in date handwritten] | HOLOTYPE [typewritten] *Corynophyllus macdougalli* ♂ T5293 [handwritten] [red label]; QM.

Paratype ♂. Aedeagus mounted on card | UQIC Reg. #71061 [typeset] | Stanthorpe Q 22.10.23 [handwritten] | Para-type [typeset, circular, yellow border] | UQ [typeset] | Paratype ♂ *Corynophyllus macdougalli* mihi [handwritten in blue] P.B. Carne det. 1952 [typeset except 2 in date handwritten in blue] | C.10 [handwritten, green label] | PARATYPE [typewritten] *Corynophyllus macdougalli* ♂ UQIC71061 [handwritten] [blue label]; UQ.

Carne (1957) listed the holotype and three male paratypes as being in UQ, while Cassis and Weir (1992c) listed the holotype in QM and one male paratype in UQ; all UQ holotypes were transferred

to QM. There are two additional males in UQ collected at Stanthorpe and with labels similar to the holotype and paratype above, but neither bears any indication that they were seen by Carne and cannot be considered a part of the type series.

***Metanastes bicornis* Lea, 1919**

Metanastes bicornis Lea, 1919: 239.

Paratype ♀. Yandilla. F.A. Gore Don. 11262. [typeset] | *Metanastes bicornis* Lea Queensland [handwritten] Cotype [handwritten in red at right angle] | T2090 PARATYPE ♀ *Metanastes bicornis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typewritten] *Metanastes bicornis* ♀ T2090 [handwritten] [blue label]; QM.

Paratype ♂. Yandilla. F.A. Gore Don. 11262. [typeset] | QUEENSLAND MUSEUM [typeset, faded pink] | C/2090 [handwritten] | PARATYPE ♂ *Metanastes bicornis* Lea, 1919 P. Allsopp 2022 [typeset] | PARATYPE [typewritten] *Metanastes bicornis* ♂ T258303 [handwritten] [blue label]; QM.

Lea (1919) saw an undefined number of males and females from New South Wales and ‘Yandella’ in Queensland and designated a ‘type’ (i.e., holotype: ICZN, Article 73.1.1) with the SAM registration number of I.10765 that fixes it as the holotype. The female above bears a typical Lea label (similar to the lower label in Fig. 5) and is one of the two ‘cotypes’ received from Lea in the handwritten QM type register (undated but before 1921). The male also bears a QM type register label and the same collection label as the female and is undoubtedly a paratype. Carne (1957) noted a male ‘type’ and two male ‘cotypes’ in SAM from ‘Yandella’; Cassis and Weir (1992) interpreted this as a lectotype designation, but this was incorrect. Yandilla is the correct spelling of the type locality and where the Gore family lived (27.85°S, 151.35°E).

Subfamily CETONIINAE

***Cacochroa gymnopleura fuscoturalis* Lea, 1924**

Cacochroa gymnopleura fuscoturalis Lea, 1924: 311 (now *Bisallardiana gymnopleura fuscoturalis*).

Holotype. Head and pronotum missing | R. Illidge [handwritten] | Gympie [handwritten] | Xmas 1870 [handwritten] | Please return. [handwritten] | T.6981

Cacochora gymnopleura var. *fuscusuturalis* Lea Queensland [handwritten] TYPE [handwritten in red at right angle] | HOLOTYPE *Cacochroa gymnopleura fuscusuturalis* Lea, 1924 P. Allsopp 2022 [typeset] | HOLOTYPE [typeset] ♂ *Cacochroa gymnopleura fuscusuturalis* T6981 [handwritten] [red label]; QM.

Lea (1924) described this from a single specimen sent to him by Illidge (holotype by monotypy), and it bears his characteristic label (similar to the lower label in Fig. 5); Cassis and Weir (1992d) mistakenly listed it as being in SAM.

***Lomaptera hackeri* Lea, 1906**

Lomaptera hackeri Lea, 1906: 561.

Syntype. Coen Hacker 1905 [handwritten] | CO-TYPE [typeset, green label] | C/2092 [handwritten] | *Lomaptera hackeri* Lea N. Queensland [handwritten] | SYNTYPE *Lomaptera hackeri* Lea, 1906 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Lomaptera hackeri* T2092 [handwritten] [red label]; QM.

Syntype. Coen Hacker 1905 [handwritten] | CO-TYPE [typeset, green label] | SYNTYPE *Lomaptera hackeri* Lea, 1906 P. Allsopp 2022 [typeset] | SYNTYPE [typeset] *Lomaptera hackeri* T258304 [handwritten] [red label]; QM.

Lea (1906) saw an undefined number of males and females all collected at Coen by Hacker, but he did not designate a 'type' (i.e., holotype: ICZN, Article 73.1.1) or say where they were deposited. Both the above specimens were listed in the handwritten QM type register (undated but before 1921) as 'cotypes' and bear characteristic Lea labels (similar to the upper label in Fig. 2). Cassis and Weir (1992d) did not locate the type series. Given the labels, these are undoubtedly syntypes and a lectotype designation is warranted.

***Microvalgus bursuriae* Lea, 1914**

Microvalgus bursuriae Lea, 1914: 208.

Paratype. Mounted on card marked Hob. [handwritten in red] | C/2094 [handwritten] | CO-TYPE [typeset, green label] | *Microvalgus bursuriae* [handwritten] Lea, Co-type [typeset] | PARATYPE *Microvalgus bursuriae* Lea, 1914 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Microvalgus bursuriae* T2094 [handwritten] [blue label]; QM.

Lea (1914) designated a specimen in SAM as the 'type' (i.e., holotype: ICZN, Article 73.1.1) and gave it the registration number I.98. This specimen is undoubtedly a paratype as it has typical Lea labels (similar to Fig. 2) and is listed in the handwritten QM type register (undated but before 1921) as a 'cotype' received from Lea. It was not listed by Cassis and Weir (1992d).

***Microvalgus vagans* Lea, 1914**

Microvalgus vagans Lea, 1914: 209.

Paratype ♂. Mounted on micropin | N. Queensland [typeset] | ♂ [handwritten] | C/2093 [handwritten] | CO-TYPE [typeset, green label] | *Microvalgus vagans* [handwritten] Lea, Co-type [typeset] | PARATYPE *Microvalgus vagans* Lea, 1914 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Microvalgus vagans* ♂ T2093 [handwritten] [blue label]; QM.

Paratype. Mounted on micropin | N. Queensland [typeset] | CO-TYPE [typeset, green label] | *Microvalgus vagans* [handwritten] Lea, Co-type [typeset] | PARATYPE *Microvalgus vagans* Lea, 1914 P. Allsopp 2022 [typeset] | PARATYPE [typeset] *Microvalgus vagans* T258305 [handwritten] [blue label]; QM.

Lea (1914) designated a specimen in SAM as the 'type' (i.e., holotype: ICZN, Article 73.1.1) and gave it the registration number I.766. These specimens are undoubtedly paratypes as they have typical Lea labels (similar to Fig. 2) and are listed in the handwritten QM type register (undated but before 1921) as 'cotypes' received from Lea. They were not listed by Cassis and Weir (1992d).

***Octocollis setosus* Moeseneder and Hutchinson, 2012**

Octocollis setosus Moeseneder and Hutchinson, 2012: 42.

'Paratype' ♂. Paluma, N Qld [typeset] 23 JAN. 1964 [handwritten except 19 in date typeset] A. Walford-Huggins [handwritten] | QM Reg. No. T159369 [typeset, yellow label] | *Polyholcus setosus* Bacchus [handwritten] | aedeagus mounted on card | MIC60891-002 [bar code] [typeset] | *Octocollis setosus* Excluded from type series by authors, not a paratype P. Allsopp 2022 [typeset]; QM.

This specimen was excluded from 'Paratypes' and included in 'Additional material' by Moeseneder and Hutchinson (2012). As such it has no nomenclatural status (ICZN, Article 72.4.6).

UNPUBLISHED NAMES

Family HYBOSORIDAE

Pterorthochaetes 'politus'

'Paratype' ♂. Mounted on micropin | genitalia mounted on card | Popondetta, Papua 27-28. ii.1966 G. Monteith [typeset] | *P. simplex* Gestro [handwritten] | PTERORTHOCHAETES POLITUS N. SP. DET. A. BALLERIO 2013 [handwritten] PARATYPUS [typeset] ♂ [handwritten] [red label] | QM Reg. No. T258291 [typeset, yellow label]; QM.

This specimen currently has no nomenclatural status. The name has not been published but a manuscript is in preparation (A. Ballerio, pers. com. 2022).

Subfamily MELOLONTHINAE

Colpochila 'acutidens'

'Paratypes' x5 ♀. Hibbard Point, Weipa, N. Qld. 5-8.ii.1975 G.B. Monteith coll. at MV light [typeset] | PARATYPE ♀ *Colpochila acutidens* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71149 to #71153 [typeset] | Not a PARATYPE Name not published = *griffithi* (Blackburn) in Britton 1986 P. Allsopp 2022 [typeset]; UQ.

'Paratypes' x2 ♀. L. Boronto (= Wincheura) Newcastle Bay, C. York, Qld. Jan 30-Feb 4, 1975 G.B. Monteith Open forest [typeset] | PARATYPE ♀ *Colpochila acutidens* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71154 or #71155 [typeset] | Not a PARATYPE Name not published = *griffithi* (Blackburn) in Britton 1986 P. Allsopp 2022 [typeset]; UQ.

Although these specimens bear Britton's characteristic paratype labels (similar to Fig. 7), they have no nomenclatural status because this name was not published. These specimens were listed under *C. griffithi* (Blackburn, 1907) by Britton (1986).

Colpochila 'cuneata'

'Paratype' ♀. Cocklebiddy W.A. 4.1.1964 RCH Shepherd [handwritten] | PARATYPE ♀ *Colpochila cuneata* sp. n. [handwritten in blue] E.B. Britton det. 196 [typeset] | UQIC Reg. #71113 [typeset] | Not a PARATYPE Name not published = *punctiventris* Blackburn in Britton 1986 P. Allsopp 2022 [typeset]; UQ.

Although the specimen bears Britton's characteristic paratype label (Fig. 7), it has no nomenclatural status because this name was not published. This specimen was listed under *C. punctiventris* Blackburn, 1890 by Britton (1986).

Colpochila 'finitima'

'Paratype' ♂. Aedeagus mounted on card | 1. [handwritten] | PARATYPE. ♂ *Colpochila finitima* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | UQIC Reg. #71156 [typeset] | Not a PARATYPE Name not published = *laminata* Blackburn P. Allsopp 2022 [typeset]; UQ.

Although the specimen bears Britton's characteristic paratype label (similar to Fig. 7), it has no nomenclatural status because this name was not published. This specimen keys to *C. laminata* Blackburn, 1890 in Britton (1986), but was not listed under that name.

Haplonycha 'mirabilis'

'Syntype'. Redcliffs. V. L.G. Chandler [handwritten] | *Haplonycha mirabilis* Wilson [handwritten] | Cotype [typeset] ♂ [handwritten] [red label] | C161 [handwritten, green label] | Not a SYNTYPE Name not published = *andersoni* Britton P. Allsopp 2022 [typeset]; UQ.

This name is probably attributable to Francis Erasmus Wilson (1888–1960), but we could find no published description of it in any of his papers listed in Musgrave (1932) or Daniels (2004). Therefore, this specimen has no nomenclatural status. This specimen keys to *Colpochila andersoni* Britton, 1986 in Britton (1986), but was not listed under that name.

Lepidostethaspis 'exutus'

'Holotype'. Aedeagus mounted on card | Type [typeset, circular, red border] | 1645 [typeset] | C.I.E. COLL. NO. [typeset] 16876 [handwritten] | Southport von. Weildt 3.36 [handwritten] | HOLOTYPE ♂ *Lepidostethaspis exutus mihi* [handwritten] E.B. Britton det. 1960 [typeset except 60 in date handwritten] | Not a HOLOTYPE Name not published P. Allsopp 2022 [typeset] | QM Reg. No. T5840 [handwritten, yellow label]; QM.

Although this specimen bears Britton's characteristic holotype label, it has no nomenclatural status because this name was not published.

Liparetrus 'bryanti'

'Paratype'. Mounted on micropin | Naracoorte, S.A. 20.i.1967. G.B. Monteith [typeset] | PARATYPE *Liparetrus bryanti* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | QM Reg. No. T227407 [typeset, yellow label] | Not a PARATYPE Name not published = *flavus* Lea in Britton 1980 P. Allsopp 2022 [typeset]; UQ.

'Paratype' ♂. Mounted on micropin | Naracoorte, S.A. 20.i.1967. G.B. Monteith [typeset] | PARATYPE ♂ *Liparetrus bryanti* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | QM Reg. No. T227408 [typeset, yellow label] | Not a PARATYPE Name not published = *flavus* Lea in Britton 1980 P. Allsopp 2022 [typeset]; UQ.

Although these specimens bear Britton's characteristic paratype labels (similar to Fig. 7), they have no nomenclatural status because this name was not published. One of these specimens was listed under *L. flavus* Lea, 1917 by Britton (1980).

Liparetrus 'ochus'

'Paratype' ♀. Mounted on micropin | PARATYPE ♀ *Liparetrus ochus* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | Not a PARATYPE Name not published = *ater* Macleay in Britton 1980 P. Allsopp 2022 [typeset]; UQ.

'Paratype' ♂. Mounted on micropin | aedeagus mounted on card | Yelarbon, Qld. 1 Jan 1959 I.C. Yeo

[handwritten] | PARATYPE ♂ *Liparetrus ochus* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | Not a PARATYPE Name not published = *ater* Macleay in Britton 1980 P. Allsopp 2022 [typeset]; UQ.

Although these specimens bear Britton's characteristic paratype labels (similar to Fig. 7), they have no nomenclatural status because this name was not published. These specimens were listed under *L. ater* Macleay, 1886 by Britton (1980).

Liparetrus 'scorteus'

'Paratype'. Blunder 31.x.1972 P. Allsopp [handwritten] | PARATYPE *Liparetrus scorteus* sp. n. [handwritten] E.B. Britton det. 1973 [typeset except 73 in date handwritten] | QM Reg. No. T246938 [typeset, yellow label] | Not a PARATYPE Name not published = *nigricollis* Hope in Britton 1980 P. Allsopp 2022 [typeset]; QM.

Although this specimen bears Britton's characteristic paratype label (similar to Fig. 7), it has no nomenclatural status because this name was not published. This specimen was listed under *L. nigricollis* Hope, 1842 by Britton (1980).

Liparetrus 'setifrons'

'Paratype'. 30 km S. of Alice Springs, N.T. 1.xi.1974 E.M. Exley & R.I. Storey on *Calandrinia balonensis* & *Helichrysum bracteatum* [typeset] | PARATYPE *Liparetrus setifrons* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue, with 7 overwriting a typeset 6] | Not a PARATYPE Name not published = *abnormalis* Macleay in Britton 1980 P. Allsopp 2022 [typeset]; UQ.

Although this specimen bears Britton's characteristic paratype label (similar to Fig. 7), it has no nomenclatural status because this name was not published. This specimen was probably listed under *L. abnormalis* Macleay 1886 by Britton (1980), albeit as from '50 km S. of Alice Springs'.

Sciton 'argutus'

'Paratype' ♂. Aedeagus mounted on card | St. George, Q. [typeset] 10 xi 1973 [handwritten] P.G. Allsopp [typeset] | PARATYPE *Sciton argutus*

sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue] | Peter Allsopp Collection Donated 2017 [typeset] | QM Reg. No. T246939 [typeset, yellow label] | Not a PARATYPE Name not published P. Allsopp 2022 [typeset]; QM.

Although this specimen bears Britton's characteristic paratype label (similar to Fig. 7), it has no nomenclatural status because this name was not published. This specimen was not referred to in Britton (1990).

Sciton 'aridus'

'Paratype' ♂. Aedeagus mounted on card | Giles Met. Stn. W.A. 30 iv 1982 P. Allsopp & R. Lloyd [handwritten] | PARATYPE ♂ *Sciton aridus* sp. n. [handwritten] | Peter Allsopp Collection Donated 2017 [typeset] | QM Reg. No. T246940 [typeset, yellow label] | Not a PARATYPE Name not published P. Allsopp 2022 [typeset]; QM.

'Paratype' ♂. Giles Met. Stn. W.A. 30 iv 1982 P. Allsopp & R. Lloyd [handwritten] | PARATYPE *Sciton aridus* sp. n. [handwritten] | Peter Allsopp Collection Donated 2017 [typeset] | QM Reg. No. T246941 [typeset, yellow label] | Not a PARATYPE Name not published P. Allsopp 2022 [typeset]; QM.

'Paratype' ♀. Giles Met. Stn. W.A. 30 iv 1982 P. Allsopp & R. Lloyd [handwritten] | PARATYPE ♀ *Sciton aridus* sp. n. [handwritten] E.B. Britton det. 1982 [typeset except part of 8 and 2 in date handwritten] | Peter Allsopp Collection Donated 2017 [typeset] | QM Reg. No. T246942 [typeset, yellow label] | Not a PARATYPE Name not published P. Allsopp 2022 [typeset]; QM.

'Paratype'. Giles Met. Stn. W.A. 30 iv 1982 P. Allsopp & R. Lloyd [handwritten] | PARATYPE *Sciton aridus* sp. n. [handwritten] | Peter Allsopp Collection Donated 2017 [typeset] | QM Reg. No. T246943 [typeset, yellow label] | Not a PARATYPE Name not published P. Allsopp 2022 [typeset]; QM.

Although these specimens bear Britton's characteristic paratype labels (similar to Fig. 7), they have no nomenclatural status because this name was not published. These specimens were not referred to in Britton (1990).

Sericesthis 'ocularis'

'Paratype' ♂. Aedeagus mounted on card | Toowoomba, Q. [typeset] 9 xi 1973 [handwritten] P.G. Allsopp [typeset] | PARATYPE *Sericesthis ocularis* sp. n. [handwritten] E.B. Britton det. 1973 [typeset except 73 in date handwritten] | Peter Allsopp Collection Donated Dec 2017 [typeset] | QM Reg. No. T246967 [typeset, yellow label] | Not a PARATYPE Name not published = *suturalis* (Macleay) P. Allsopp 2022 [typeset]; QM.

'Paratype'. UQIC Reg. #71959 [typeset] | Para-type [typeset, circular, yellow border] | The Summit 20/12/57 H.G. Greening [handwritten, grey label] | PARATYPE [typeset] *Sericesthis ocularis* mihi [handwritten] E.B. Britton. [typeset] | C.31 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) P. Allsopp 2022 [typeset]; UQ.

Although these specimens bear Britton's characteristic paratype labels (similar to Fig. 7), they have no nomenclatural status because this name was not published. These specimens are not listed, but key to *Sericesthis suturalis* (Macleay, 1871) in Britton (1987).

Sericesthis 'soror'

'Paratype'. UQIC Reg. #71846 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 19.10.55 [handwritten] G. Gibson [typeset] | PARATYPE [typeset] *Sericesthis soror* mihi [handwritten] E.B. Britton. [typeset] | C.49 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71847 [typeset] | Para-type [typeset, circular, yellow border] | I.W. Barlow Brisbane Q. [typeset] 7.x.59 [handwritten] | PARATYPE [typeset] *Sericesthis soror* mihi [handwritten] E.B. Britton. [typeset] | C.57 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71848 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 3.10.57 [handwritten] G. Gibson [typeset] | PARATYPE [typeset] *Sericesthis soror* mihi

[handwritten] E.B. Britton. [typeset] | C.56 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71849 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 79.57 [handwritten] Q. B. Rodda [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.61 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71850 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane, Qld 13 Oct 1961 J. Bryan [handwritten] | ex light trap [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.62 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71851 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 5.10.55 [handwritten] Q. P.C. Kerridge [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.60 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71852 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE 1.8.53 Y.P. BERI [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.63 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71853 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Qld Aug., T.E. O’Sullivan [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.54 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71854 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane 25.x.52 Prasad [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.66 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71855 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 25.x-55 [handwritten] D.J. Woodland [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.55 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71856 [typeset] | Para-type [typeset, circular, yellow border] | F.C. Sweeney May’54 Brisbane [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.69 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71857 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 10-x-59 [handwritten] D.F. Cameron [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.73 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71858 [typeset] | Para-type [typeset, circular, yellow border] | F. BOLLMAN [typeset] [illegible] [handwritten] BRISBANE [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.65 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71859 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane, Qld. 8 Oct 1961 J. Bryan [handwritten] | ex light trap [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.70 [handwritten, green label] | Not a PARATYPE

Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71860 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane 15-10-1957 K. Richardson [handwritten in blue] | near light. [handwritten in blue] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.68 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71861 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] [handwritten date illegible] J.M. Marley [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.76 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71862 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 17 OCT 1959 [handwritten] R. Jones [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.67 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71863 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE. 4-10-1957. R. METCALFE [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.74 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71864 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 3-9-59 [handwritten] D.R. Petty [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.64 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71865 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Qld.

[typeset] 30 [handwritten] Aug., [typeset] 61 [handwritten] W.F. Leow [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.71 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71866 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE Q. 4 OCT. 1960 R. KITCHEN [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.72 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71867 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE, Q. 6-10-60 H. DUNSTAN [handwritten in blue] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.75 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71913 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane. Q. 11.Nov.1956 F.A. Perkins [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.40 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. On card | UQIC Reg. #71914 [typeset] | Para-type [typeset, circular, yellow border] | Binna Burra [typeset] 3.7.47 [handwritten in blue] O.W. Sturgess [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.98 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71915 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 22-11.53 [handwritten in blue] H. Dodd [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.47 [handwritten, green label] | Not a PARATYPE Name

not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71916 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE 20/x/1956 I. BONNER [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.38 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71917 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane: [typeset] 4.5-52 [handwritten] S.G. Grimmett. [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.40 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71918 [typeset] | Para-type [typeset, circular, yellow border] | KEITH MOODY 27.ix.'58 RAINWORTH [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.77 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71919 [typeset] | Para-type [typeset, circular, yellow border] | F.C. Sweeney March '57 BRISBANE [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.37 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. On card | UQIC Reg. #71920 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 11.7.54 [handwritten] A.G. Barrie [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.43 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. On card | UQIC Reg. #71921 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 26/8/51 [handwritten] G. Saunders

[typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.44 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71922 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Qld. [typeset] 28/II/1961 [handwritten] R.G. O'Brien [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.39 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71923 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 3.10.58 [handwritten in blue] E. Dahms [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.42 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71924 [typeset] | Brisbane Q. [typeset] [date illegible] [handwritten in blue] F. Lamberth [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.45 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. On card | UQIC Reg. #71925 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane 11.10.47 S. Cossins [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.41 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

‘Paratype’. UQIC Reg. #71926 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane 10/4/45 R. KAYE [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.36 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71927 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] 16-ix-55 D.J. Woodland [typeset except 16 and ix in date handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.59 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71928 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE 30-5-60 C.P. MILLER [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.53 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71929 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 10.10.57 [handwritten in blue] E. Dahms [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.52 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71930 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE. 12-10-1957. R. METCALFE | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.48 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71931 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Qld. [typeset] 28/IX/1961 K.J. Coughlan [typeset except 28/IX/ handwritten in blue] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.51 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71932 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane Q. [typeset] 14 x 1960 [handwritten] I. Inglis [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.50

[handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71933 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane [typeset] [handwritten date illegible] J.M. Marley [typeset] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.58 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71934 [typeset] | Para-type [typeset, circular, yellow border] | Ipswich. Q. 22.Oct.1960 B. Sabine [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.89 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71935 [typeset] | Para-type [typeset, circular, yellow border] | St. LUCIA 7-X-1958 J.E. BRIGGS [handwritten] | CAME INTO LIGHT [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.82 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71936 [typeset] | Para-type [typeset, circular, yellow border] | Brisbane, Qld. 31 Oct 1961 ex light trap [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.34 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71937 [typeset] | Para-type [typeset, circular, yellow border] | BRISBANE. 14-x-1958. R. METCALFE [handwritten] | PARATYPE [typeset] Sericesthis soror mihi [handwritten] E.B. Britton. [typeset] | C.35 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71938 [typeset] | Para-type [typeset, circular, yellow border] | Pittsworth Q.

24 Aug. 1960 I.R. Straughan [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.94 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71939 [typeset] | Para-type [typeset, circular, yellow border] | Dalby, Q. [typeset] 13/x/1959 [handwritten in blue] K.P. Richardson [typeset] | in house [handwritten in blue] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.93 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71940 [typeset] | Para-type [typeset, circular, yellow border] | Rockhampton: [typeset] 12.9.51 [handwritten] S.G. Grimmett. [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.95 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71941 [typeset] | Para-type [typeset, circular, yellow border] | TOOWONG Q. 14-x-59 M. JOHNSTON | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.92 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71942 [typeset] | Para-type [typeset, circular, yellow border] | Beerwah 9-8-60 R.D. Cameron [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.97 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71943 [typeset] | Para-type [typeset, circular, yellow border] | E.F. HENZELL [typeset] 8/9/57 [handwritten in blue] MAPLETON [typeset] [grey label] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.96 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis*

(Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71944 [typeset] | Para-type [typeset, circular, yellow border] | Ipswich. Q. SEPTt.1960 B. Sabine [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.87 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71945 [typeset] | Para-type [typeset, circular, yellow border] | TOOWOOMBA 27.9.59 D. McLEAN [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.91 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71946 [typeset] | Para-type [typeset, circular, yellow border] | S. BARKER 31.8.58 KALINGA [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.86 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71947 [typeset] | Para-type [typeset, circular, yellow border] | IPSWICH Q. 10-9-60 D.L. LLOYD [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.88 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71948 [typeset] | Para-type [typeset, circular, yellow border] | R. Wetherall [typeset] 11.3.50 [handwritten] Lawes [typeset] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.90 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71949 [typeset] | Para-type [typeset, circular, yellow border] | Ashgrove. [handwritten] | PARATYPE [typeset] 20-9-58 S. Rigby. [handwritten] *Sericesthis soror mihi*

[handwritten] E.B. Britton. [typeset] | C.91 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71950 [typeset] | Para-type [typeset, circular, yellow border] | Nudgee 28.x.58 E.T. Carroll | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.83 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71951 [typeset] | Para-type [typeset, circular, yellow border] | KEITH MOODY 27.ix.58 RAINWORTH [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.78 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71952 [typeset] | Para-type [typeset, circular, yellow border] | St. Lucia 9.60 R.D. Cameron [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.81 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71953 [typeset] | Para-type [typeset, circular, yellow border] | Toowong Q'land 6.9.60 C. Belton [handwritten] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.85 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71954 [typeset] | Para-type [typeset, circular, yellow border] | H. NIX 12.10.58 ST. LUCIA [handwritten, pink label] | PARATYPE [typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.80 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. UQIC Reg. #71955 [typeset] | Para-type [typeset, circular, yellow border] | St Lucia 21/9/58 P. WHITEMAN [handwritten] | PARATYPE

[typeset] *Sericesthis soror mihi* [handwritten] E.B. Britton. [typeset] | C.79 [handwritten, green label] | Not a PARATYPE Name not published = *suturalis* (Macleay) in Britton 1987 P. Allsopp 2022 [typeset]; UQ.

Although these specimens bear Britton's characteristic paratype labels (similar to Fig. 7), they have no nomenclatural status because this name was not published. These specimens are not listed but key to *Sericesthis suturalis* (Macleay, 1871) in Britton (1987).

***Sericesthis* 'uptoni'**

'Paratype' ♀. Paterson NSW 21 xi 1974 I. Titmarsh [handwritten] | PARATYPE ♀ *Sericesthis uptoni* sp. n. [handwritten in blue] E.B. Britton det. 1975 [typeset except 75 in date handwritten in blue] | Peter Allsopp Collection Donated Dec 2017 [typeset] | QM Reg. No. T246966 [typeset, yellow label] | Not a PARATYPE Name not published = *suturalis* (Macleay) P. Allsopp 2022 [typeset]; QM.

Although this specimen bears Britton's characteristic paratype label (similar to Fig. 7), it has no nomenclatural status because this name was not published. The specimen is not listed, but keys to *Sericesthis suturalis* (Macleay, 1871) 'var.' in Britton (1987).

Subfamily CETONIINAE

***Glycyphana* (*Glycyphaniola*) 'queenslandicus'**

'Paratype'. Iron Range, Cape York Pen., N. Qld. 16-23.xi.1965. G. Monteith [typeset] | PARATYPE *Glycyphana queenslandicus* sp. n. [handwritten] M.E. Bacchus det. 1969 [typeset except 9 in date handwritten] | UQIC Reg. #69697 [typeset] | Not a PARATYPE Name not published = *australiana* Mikšić in Bacchus 1974 P. Allsopp 2022 [typeset]; UQ.

'Paratype'. N.Q. [handwritten] | PARATYPE *Glycyphana queenslandicus* sp. n. [handwritten] M.E. Bacchus det. 1969 [typeset except 9 in date handwritten] | UQIC Reg. #69698 [typeset] | Not a PARATYPE Name not published = *australiana* Mikšić in Bacchus 1974 P. Allsopp 2022 [typeset]; UQ.

Although these specimens bear Bacchus's characteristic paratype labels, they have no nomenclatural status because this name was

not published. This was a manuscript name for the species that was described as *Glycyphana (Glycyphaniola) australiana* Mikšič, 1971. The Iron Range specimen was listed under *G. australiana* in Bacchus (1974). There is no evidence that Mikšič saw these specimens.

***Metallesthes* ‘niger’**

Paratype [of *M. anneliesae* Moeseneder and Hutchinson, 2014] ♀. UQIC Reg. #69829 [typeset] | Leyburn Qld. 10.1.64. A. Macqueen [typeset] | *Metallesthes niger* n. sp. [handwritten] M.E. Bacchus det. 197 [typeset] 1 PARATYPE [handwritten] | QM Reg. No. T159390 [typeset, yellow label] | PARATYPE *Metallesthes anneliesae* ♀ Moeseneder & Hutchinson, 2014 [typeset, blue label, black border]; QM.

Although this specimen bears Bacchus's characteristic paratype label, *Metallesthes* ‘niger’ has no nomenclatural status because this name was not published. This was a manuscript name for the species that was described as *Metallesthes anneliesae* Moeseneder and Hutchinson, 2014.

ACKNOWLEDGEMENTS

We thank Tom Weir, Andrew Smith and Megan Harris for comments that improved our manuscript.

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