

BARRY BOLTON'S ANT CATALOGUE, 2020 (latest update)

LIOPONERA

aberrans. *Phyracaces aberrans* Clark, 1934b: 25, pl. 2, fig. 6 (w.) AUSTRALIA (Queensland).

Type-material: holotype (?) worker.

[Note: no indication of number of specimens is given; Taylor & Brown, 1985: 23, suspect a syntype series.]

Type-locality: Australia: N Queensland, Kuranda (*F.P. Dodd*).

Type-depository: SAMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22, 67; Taylor & Brown, 1985: 23; Taylor, 1987a: 16; Bolton, 1995b: 142.

Distribution: Australia.

adama. *Cerapachys (Phyracaces) adamus* Forel, 1910b: 18 (w.) AUSTRALIA (Queensland).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Queensland, Kuranda, nr Cairns (*R. Turner*).

Type-depositories: ANIC, MHNG.

Combination in *Phyracaces*: Emery, 1911d: 11;

combination in *Cerapachys*: Brown, 1975: 67;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Emery, 1911d: 11; Wheeler, W.M. 1918a: 259; Brown, 1975: 22, 67; Taylor & Brown, 1985: 24; Taylor, 1987a: 16; Bolton, 1995b: 142.

Distribution: Australia.

aegyptiacus. *Cerapachys aegyptiacus* Brown, 1975: 22.

Replacement name for *Lioponera cooperi* Donisthorpe, 1939a: 255. [Junior secondary homonym of *Phyracaces cooperi* Arnold, 1915: 18.]

Combination in *Lioponera*: Borowiec, M.L. 2016: 164 (by implication).

Junior synonym of *longitarsus*: Bolton, 1995b: 142.

alfieri. *Lioponera alfieri* Donisthorpe, 1939a: 256 (m.) EGYPT.

Type-material: holotype male.

Type-locality: Egypt: Wadi Digla, 23.viii.1925 (*Alfieri*).

Type-depository: BMNH.

Combination in *Cerapachys*: Brown, 1975: 22.

Status as species: Brown, 1975: 22.

Junior synonym of *longitarsus*: Bolton, 1995b: 142.

angustata. *Phyracaces angustatus* Clark, 1924b: 76, pl. 6, fig. 7 (q.) AUSTRALIA (Western Australia).

Type-material: holotype ergatoid queen.

Type-locality: Australia: Western Australia, National Park (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142.

Distribution: Australia.

anokha. *Cerapachys anokha* Bharti & Akbar, 2013a: 88, figs. 7B, 14-16 (w.) INDIA (Kerala).

Type-material: holotype worker, 3 paratype workers.

Type-locality: India: Kerala, Periyar Tiger Reserve, Thanikkudy, 9°30'N, 77°16'E, 1003 m., 15.x.2011, hand picking (*S.A. Akbar*); paratypes with same data.

Type-depositories: PUAC (holotype); BMNH, PUAC (paratypes).

Combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Bharti, Guénard, *et al.* 2016: 21.

Distribution: India.

aranus. *Cerapachys aranus* Bolton, 1995b: 142.

Unnecessary replacement name for *Phyracaces emeryi* Viehmeyer, 1914b: 26; hence junior synonym of *emeryi*.

australis. *Lioponera longitarsus* var. *australis* Forel, 1895f: 422 (w.) AUSTRALIA.

Type-material: holotype (?) worker.

[Note: no indication of number of specimens is given; Taylor & Brown, 1985: 26, suspect a syntype series.]
Type-locality: Australia: Queensland, Mackay (*G. Turner*).

Type-depository: MHNG.

Subspecies of *longitarsus*: Emery, 1911d: 12; Donisthorpe, 1939a: 254.

Status as species: Wheeler, W.M. 1918a: 264.

Junior synonym of *longitarsus*: Forel, 1895f: 422; Brown, 1975: 23; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 142.

bakeri. *Lioponera bakeri* Wheeler, W.M. & Chapman, 1925: 55, pl. 1, fig. 17 (w.) PHILIPPINES (Basilan I.).

Type-material: holotype worker.

Type-locality: Philippines: Basilan (*Baker*).

Type-depository: unknown.

[Note: Brown, 1975: 72, says the holotype was apparently destroyed in World War II.]

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Donisthorpe, 1939a: 255; Chapman & Capco, 1951: 21; Baltazar, 1966: 233; Brown, 1975: 22, 72; Bolton, 1995b: 142.

Distribution: Philippines (Basilan).

bicolor. *Phyracaces bicolor* Clark, 1924b: 77, pl. 6, figs. 9, 10 (w.q.) AUSTRALIA (Western Australia).

Type-material: syntype workers, syntype ergatoid queens (numbers not stated, "Described from two colonies").

Type-locality: Australia: Western Australia, Armadale (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Chapman & Capco, 1951: 21; Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142; Heterick, 2009: 129.

Distribution: Australia.

bicolor. *Lioponera bicolor* Wheeler, W.M. & Chapman, 1925: 54, pl. 1, figs. 15, 16 (w.q.m.) PHILIPPINES (Luzon I.).

Type-material: syntype workers, syntype queens, syntype males (numbers not stated, "several").

Type-locality: Philippines: Luzon, Laguna Prov., Los Baños (*Williams*).

Type-depository: MCZC.

[Unresolved junior secondary homonym of *Phyracaces bicolor* Clark, 1924b: 77 (Bolton, 1995b: 142).]

Status as species: Donisthorpe, 1939a: 255; Baltazar, 1966: 233.

Junior synonym of *longitarsus*: Brown, 1975: 23; Bolton, 1995b: 142.

binodis. *Cerapachys (Phyracaces) binodis* Forel, 1910b: 20 (w.) AUSTRALIA (Queensland).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Queensland, Kuranda, nr Cairns (*R. Turner*).

Type-depositories: ANIC, MHNG.

Combination in *Phyracaces*: Emery, 1911d: 11;

combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Emery, 1911d: 11; Wheeler, W.M. 1918a: 261 (redescription); Brown, 1975: 22, 67; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142.

Distribution: Australia.

bispinata. *Cerapachys bispinatus* Chen & Zhou, in Chen, Shi & Zhou, 2016: 3, figs. 1-10 (w.q.) CHINA (Guangxi).

Type-material: holotype worker, 12 paratype workers, 1 paratype queen.

Type-locality: China: Guangxi, Port of Fangcheng, Shiwanashan, 21°48'N, 107°14'E, 450 m., 26.vi.2015, No. G150177 (Z. Chen); paratypes with same data.

Type-depositories: GNUC (holotype); GNUC, SFCY (paratypes).

Combination in *Lioponera*: unpublished combination.

Distribution: China.

brachynodus. *Cerapachys mayri* var. *brachynodus* Forel, 1892k: 520 (w.) MADAGASCAR.

Type-material: syntype workers (number not stated).

Type-locality: Madagascar: (no further data) (Sikora).

Type-depositories: MHNG, NHMB.

Combination in *Phyracaces*: Emery, 1911d: 11.

Subspecies of *mayri*: Emery, 1911d: 11; Wheeler, W.M. 1922a: 1005.

Junior synonym of *mayri*: Brown, 1975: 23, 64; Bolton, 1995b: 142.

braunsi. *Phyracaces braunsi* Emery, 1902c: 27 (w.) SOUTH AFRICA.

Type-material: holotype worker.

Type-locality: South Africa: Cape Colony (*H. Brauns*).

[Note: according to Arnold, 1915: 18, the type-locality is Cape Prov., Willowmore.]

Type-depository: MSNG.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Emery, 1911d: 11; Arnold, 1915: 17; Wheeler, W.M. 1922a: 756; Brown, 1975: 22, 62; Bolton, 1995b: 142.

Distribution: South Africa.

braytoni. *Phyracaces braytoni* Weber, 1949a: 3, fig. 4 (w.) KENYA.

Type-material: holotype worker, 1 paratype worker.

Type-locality: Kenya: ca 29 mi. SW Mtito Andei, 16.i.1948, no. 1954 (N.A. Weber); paratype with same data.

Type-depository: AMNH.

Combination in *Cerapachys*: Brown, 1975: 22, 63;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22, 63 (redescription); Bolton, 1995b: 142; Hita Garcia, et al. 2013: 201.

Distribution: Kenya.

brevicollis. *Phyracaces brevicollis* Clark, 1924a: 78, fig. 4 (w.) AUSTRALIA (Western Australia).

Type-material: holotype worker.

Type-locality: Australia: Western Australia, Kelmscott (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142; Heterick, 2009: 127.

Distribution: Australia.

brevis. *Phyracaces brevis* Clark, 1924b: 78, pl. 6, fig. 5 (w.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Western Australia, Hovea (*J. Clark*).

Type-depository: MVMA.

Imai, Crozier & Taylor, 1977: 348 (k.).

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142; Heterick, 2009: 129.

Distribution: Australia.

castaneus. *Phyracaces castaneus* Clark, 1924b: 79, pl. 7, figs. 7-14 (w.q.m.) AUSTRALIA

(Western Australia).

Type-material: syntype worker, syntype queens, syntype males (numbers not stated, "Described from a colony containing workers, females, males, and two pseudogynes").

Type-locality: Australia: Western Australia, Hovea (*J. Clark*).

Type-depository: MVMA.

Junior synonym of *clarki*: Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142.

clarki. *Phyracaces clarki* Crawley, 1922b: 433 (w.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated, "a small colony").

Type-locality: Australia: Western Australia, Darlington, no. 9 (*J. Clark*).

Type-depository: OXUM.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22, 66; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142; Heterick, 2009: 128.

Senior synonym of *castaneus*: Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142.

Distribution: Australia.

clara. *Phyracaces clarus* Clark, 1930c: 3, fig. 1 (no. 2) (w.q.m.) AUSTRALIA (Western Australia).

Type-material: syntype workers, syntype queens, syntype males (numbers not stated).

Type-localities: Australia: Western Australia, Cannington (*D.L. Serventy*), Mundaring (*J. Clark*), Kalamunda (*J. Clark*), and National Park (*J. Clark*).

Type-depository: MVMA.

Combination in *Neophyracaces*: Clark, 1941: 76;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Synonym of *princeps*: Brown, 1975: 23, 65; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144; Heterick, 2009: 127.

[Note: all these authors give *princeps* as senior synonym, but *clara* has priority. The error arose from Brown's assumption that *clara* was a junior homonym, which is not the case.]

Status as species: Borowiec, M.L. 2016: 163.

Distribution: Australia.

cohici. *Phyracaces cohici* Wilson, 1957a: 1, fig. (w.m.) NEW CALEDONIA.

Type-material: holotype worker, paratype workers (number not stated, "a long series"), 4 paratype males.

Type-localities: holotype + paratypes New Caledonia, Ciu, 300 m., and 2 km. SW Ciu, 500 m., 21.xii.1954-2.i.1955, nos 190, 246, 263 (holotype nest series), 267, 275, 278, 298 (*E.O. Wilson*).

Type-depositories: MCZC, NHMB.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Wilson, 1958c: 131; Wilson, 1959b: 56; Brown, 1975: 22; Taylor, 1987a: 19; Bolton, 1995b: 142.

Distribution: New Caledonia.

***collingwoodi*.** *Cerapachys collingwoodi* Sharaf, in Fadl *et al.* 2007: 237, figs. 1, 2 (m.) EGYPT.

Type-material: holotype male.

Type-locality: Egypt: Port Said, 26.viii.2003 (*M.R. Sharaf*).

Type-depository: EESC.

Combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Borowiec, L. 2014: 62.

Distribution: Egypt.

congolensis. *Phyracaces cooperi* r. *congolensis* Forel, 1916: 401 (w.) DEMOCRATIC REPUBLIC OF CONGO.

Type-material: holotype worker.

Type-locality: Democratic Republic of Congo (“Congo”): St Gabriel (*H. Kohl*).

Type-depository: MHNG.

Subspecies of *cooperi*: Wheeler, W.M. 1922a: 757.

Junior synonym of *nkomoensis*: Brown, 1975: 23; Bolton, 1995b: 142.

***constricta*.** *Phyracaces constricta* Clark, 1924a: 79, fig. 5 (q.) AUSTRALIA (Western Australia).

Type-material: holotype ergatoid queen.

Type-locality: Australia: Western Australia, Armadale (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142.

Distribution: Australia.

cooperi. *Phyracaces cooperi* Arnold, 1915: 18 (w.) SOUTH AFRICA.

Type-material: syntype workers (number not stated).

Type-locality: South Africa: Durban, Umgeni (*C.B. Cooper*).

Type-depositories: BMNH, SAMC.

Arnold, 1948: 213 (q.).

Status as species: Wheeler, W.M. 1922a: 756; Arnold, 1948: 213.

Junior synonym of *vespula*: Brown, 1975: 24; Bolton, 1995b: 142.

cooperi. *Lioponera cooperi* Donisthorpe, 1939a: 255 (m.) EGYPT.

Type-material: 2 syntype males.

Type-localities: Egypt: Siwa, 30.vi.1935 (*J.O. Cooper*), and Egypt: Marayi, 26.iii.1935 (*J.O. Cooper*).

Type-depository: BMNH.

[**Junior secondary homonym** of *Cerapachys cooperi* Arnold, 1915: 14 (at the time of Brown, 1975: 22), and of *Phyracaces cooperi* Arnold, 1915: 18.]

Status as species: Donisthorpe, 1942a: 27.

Replacement name: *Cerapachys aegyptiacus* Brown, 1975: 22.

***coxalis*.** *Phyracaces coxalis* Arnold, 1926: 193, fig. 60 (w.) ZIMBABWE.

Type-material: syntype workers (number not stated).

Type-locality: Zimbabwe (“SR”): Umgusa River, Sawmills (*G. Arnold*).

Type-depositories: BMNH, SAMC.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Bolton, 1995b: 142.

Distribution: Zimbabwe.

crassa. *Phyracaces crassus* Clark, 1941: 74, pl. 13, fig. 1 (w.) AUSTRALIA (Victoria).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Victoria, Hattah (*J. Calrk*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 24; Taylor, 1987a: 17; Bolton, 1995b: 142.

Distribution: Australia.

daikoku. *Cerapachys daikoku* Terayama, 1996: 16, figs. 26-29 (w.q.) JAPAN.

Type-material: holotype worker, 12 paratype workers, 4 paratype queens.

Type-locality: holotype Japan: Shizuoka Pref., Izu, Matsugahana, 17.ix.1990 (*E. Hasegawa*); paratypes: 5 workers with same data, 3 workers Shizuoka Pref., Izu, Shimoda, 20.viii.1988 (*T. Satoh*), 2 workers with same data as last but 6.xi.1985, 1 worker Shizuoka Pref., Aono, Minami-izu-machi, 20.viii.1987 (*T. Satoh*), 1 worker, 3 queens Shizuoka Pref., Kitagawa, Higashi-izu-machi, 4.v.1987 (*H. Sakai*), 1 queen Kagoshima Pref., Amami-oshima, 5.v.1966 (*K. Kusigemati*).

Type-depositories: MNHA (holotype); NIAS, NSMT (paratypes).

Combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Imai, et al. 2003: 210.

Distribution: Japan.

decorsei. *Lioponera decorsei* Santschi, 1912b: 150 (m.) CHAD.

Type-material: holotype male.

Type-locality: Chad: southern Darbanda (Kébédjé, Mission Charri Tchad) (*Decorse*).

Type-depository: NHMB.

[Note: Santschi, 1912b: 150, implies that the holotype is in MNHN; however, Baroni Urbani, 1973b: 124 reports the specimen as in NHMB].

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Wheeler, W.M. 1922a: 757; Donisthorpe, 1939a: 254; Brown, 1975: 22; Bolton, 1995b: 142.

Distribution: Chad.

desertorum. *Cerapachys desertorum* Dlussky, in Dlussky, Soyunov & Zabelin, 1990: 177, fig. 43 (w.m.) UZBEKISTAN.

Type-material: holotype worker, 1 paratype male.

[Note: Dlussky comments that the holotype may be an ergatoid queen.]

Type-locality: holotype Uzbekistan: Dekhanabad, 12.v.1978, #78-76 (*G. Dlussky*); paratype: Uzbekistan: Shirintepe, Karshi, 4.viii.1977 (*D. Sherbakov*).

Type-depository: ZMUM.

Combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Bolton, 1995b: 142.

Distribution: Uzbekistan.

dromus. *Phyracaces dromus* Clark, 1941: 75, pl. 13, figs. 2, 3 (w.q.) AUSTRALIA (Victoria).

Type-material: syntype workers, syntype queens (numbers not stated, "a small colony").

Type-locality: Australia: Victoria, Patho (*H.A. Potter*).

Type-depository: MVMA.

Junior synonym of *fervida*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

dumbletoni. *Phyracaces dumbletoni* Wilson, 1957a: 5, fig. (w.q.) NEW CALEDONIA.

Type-material: holotype worker, paratype workers (number not stated, "a long series"), 1 paratype ergatoid queen.

[Note: ergatoid queen lost: Wilson, 1957a: 7.]

Type-locality: holotype New Caledonia: Chapeau Gendarme (Yahoué), no. 65 (*E.O. Wilson*); paratypes: workers (number not stated) with same data, 1 worker Mt Mou (*E.O. Wilson*), workers (number not stated) Ciu, no. 245 (*E.O. Wilson*).

Type-depositories: MCZC, NHMB.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Wilson, 1958c: 133; Wilson, 1959b: 56; Brown, 1975: 22, 67; Taylor, 1987a: 19; Bolton, 1995b: 143.

Distribution: New Caledonia.

eidmanni. *Phyracaces eidmanni* Menozzi, 1942: 165 (w.) EQUATORIAL GUINEA (Bioko I.).

Type-material: holotype worker.

Type-locality: Equatorial Guinea ("Spanish Guinea"): Fernando Po I. (= Bioko I.) (*H. Eidmann*).

Type-depository: NHMB.

[Also given as new in Eidmann, 1944: 429.]

Junior synonym of *nkomoensis*: Brown, 1975: 23; Bolton, 1995b: 143.

elegans. *Phyracaces elegans* Wheeler, W.M. 1918a: 254, fig. 13 (w.q.) AUSTRALIA (New South Wales).

Type-material: 40 syntype workers, 1 syntype queen.

Type-locality: Australia: New South Wales, Southerland, nr Sydney, 16.ix.1914 (W.M. Wheeler).

Type-depository: MCZC.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143; Heterick, 2009: 129.

Distribution: Australia.

emeryi. *Phyracaces emeryi* Viehmeyer, 1914b: 26 (w.) AUSTRALIA (South Australia).

Type-material: holotype worker.

Type-locality: Australia: South Australia, Killalpaninna (no collector's name).

Type-depository: MNHU.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Wheeler, W.M. 1918a: 243; Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17.

Senior synonym of aranus (unnecessary replacement name).

Distribution: Australia.

fervida. *Phyracaces fervidus* Wheeler, W.M. 1918a: 245, fig. 9 (w.) AUSTRALIA (Queensland).

Type-material: 19 syntype workers.

Type-locality: Australia: Queensland, Cairns, 18.x.1914 (W.M. Wheeler).

Type-depository: MCZC.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22, 65; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143; Heterick, 2009: 128.

Senior synonym of dromus: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

Senior synonym of fici: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

Senior synonym of flavescens: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

Senior synonym of *leae*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

Senior synonym of *newmani*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

Senior synonym of *scrutator*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

Distribution: Australia.

fici. *Phyracaces fici* Viehmeyer, 1924a: 222 (w.q.) AUSTRALIA (New South Wales).

Type-material: syntype workers (number not stated), 1 syntype ergatoid queen.

Type-locality: Australia: New South Wales, Trial Bay (*H. Overbeck*).

Type-depositories: MNHU, USNM.

Junior synonym of *fervida*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

ficosus. *Phyracaces ficosus* Wheeler, W.M. 1918a: 252, fig. 12 (w.) AUSTRALIA (New South Wales).

Type-material: 12 syntype workers.

Type-locality: Australia: New South Wales, Bulli Pass, 4.xii.1914 (*W.M. Wheeler*).

Type-depository: MCZC.

Wheeler, G.C. & Wheeler, J. 1973d: 205 (l.).

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22, 66; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

Distribution: Australia.

flammea. *Phyracaces flammeus* Clark, 1930c: 4, fig. 1 (no. 3) (w.q.) AUSTRALIA (Western Australia).

Type-material: syntype workers, syntype queens (numbers not stated).

Type-localities: Australia: Western Australia, Lesmurdie Falls (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143; Heterick, 2009: 127.

Distribution: Australia.

flavescens. *Phyracaces flavescens* Clark, 1930c: 5, fig. 1 (no. 4) (w.q.) AUSTRALIA (Western Australia).

Type-material: syntype workers, syntype queens (numbers not stated).

Type-localities: Australia: Western Australia, Eradu (*J. Clark*).

Type-depository: MVMA.

Junior synonym of *fervida*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

foreli. *Phyracaces foreli* Santschi, 1914d: 309 (w.) GHANA.

Type-material: holotype worker.

Type-locality: Ghana ("Gold Coast"): Aburi (*F. Silvestri*).

Type-depository: DEUN.

Santschi, 1915c: 245 (q.).

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Santschi, 1915c: 245; Wheeler, W.M. 1922a: 757; Brown, 1975: 22, 60; Bolton, 1995b: 143; Hita Garcia, *et al.* 2013: 201.

Senior synonym of *langi*: Brown, 1975: 22; Bolton, 1995b: 143.

Senior synonym of *occipitalis*: Brown, 1975: 22; Bolton, 1995b: 143.

Senior synonym of *santschii*: Brown, 1975: 22; Bolton, 1995b: 143.

Distribution: Cameroon, Democratic Republic of Congo, Gabon, Ghana, Guinea, Ivory Coast, Kenya, Nigeria.

gilesi. *Phyracaces gilesi* Clark, 1924a: 81, fig. 6 (w.q.l.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated), 3 syntype ergatoid queens.

Type-locality: Australia: Western Australia, Mundaring (*J. Clark*).

Type-depositories: MVMA, NHMB.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143; Heterick, 2009: 129.

Distribution: Australia.

grandis. *Phyracaces grandis* Clark, 1934b: 22, pl. 2, fig. 2 (w.) AUSTRALIA (South Australia).

Type-material: holotype (?) worker.

[Note: no indication of number of specimens is given.]

Type-locality: Australia: South Australia (no collector's name, perhaps *J. Clark*?).

Type-depositories: BMNH, MVMA.

[Note: Clark says, "Type in British Museum (F. Smith collection)", but Taylor & Brown, 1985: 25 report syntypes in MVMA.]

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 163.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 18; Bolton, 1995b: 143.

Distribution: Australia.

greavesi. *Phyracaces greavesi* Clark, 1934b: 25, pl. 2, fig. 5 (w.) AUSTRALIA (Western Australia).

Type-material: holotype (?) worker.

[Note: no indication of number of specimens is given; Taylor & Brown, 1985: 25, suspect a syntype series.]

Type-locality: Australia: Western Australia, Bungulla (*T. Greaves*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 18; Bolton, 1995b: 143; Heterick, 2009: 128.

Distribution: Australia.

gwynethae. *Neophyracaces gwynethae* Clark, 1941: 77, pl. 13, figs. 6, 7 (w.m.) AUSTRALIA (Victoria).

Type-material: syntype workers, syntype males (numbers not stated).

Type-locality: Australia: Victoria, Red Cliffs (*G. Claringbull*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 22;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143.

Distribution: Australia.

heros. *Phyracaces heros* Wheeler, W.M. 1918a: 240, fig. 7 (w.) AUSTRALIA (Queensland).

Type-material: holotype worker.

Type-locality: Australia: Queensland (no further data).

Type-depository: SAMA?

[Note: Wheeler writes that the holotype depository is SAMA, but Taylor & Brown, 1985: 26, say it is in MCZC.]

Combination in *Cerapachys*: Brown, 1975: 22;
combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 22; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143.

Distribution: Australia.

***hewitti*.** *Phyracaces hewitti* Wheeler, W.M. 1919e: 48 (w.q.) BORNEO (East Malaysia: Sarawak).

Type-material: 4 syntype workers, 3 syntype queens.

Type-locality: Malaysia (Borneo): Sarawak, Kuching (*J. Hewitt*).

Type-depositories: BMNH, MCZC.

Combination in *Cerapachys*: Brown, 1975: 22;
combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Chapman & Capco, 1951: 22; Brown, 1975: 22, 68; Bolton, 1995b: 143; Pfeiffer, *et al.* 2011: 33.

Distribution: Malaysia (Sarawak).

***hewitti*.** *Phyracaces hewitti* Donisthorpe, 1931b: 494 (w.m.) BORNEO (East Malaysia: Sarawak).

Type-material: 2 syntype workers, 2 syntype males.

Type-locality: Malaysia: Sarawak, Kuching, 1906-7 (*J. Hewitt*).

Type-depository: BMNH.

[Unresolved junior primary homonym of *Phyracaces hewitti* Wheeler, W.M. 1919e: 48 (Bolton, 1995b: 143).]

Junior synonym of *hewitti* Wheeler: Baroni Urbani, 1971b: 361.

Junior synonym of *suscitata*: Brown, 1975: 23; Bolton, 1995b: 143.

***huode*.** *Simopone huode* Terayama, 2009: 122, figs. 121, 122 (q.) TAIWAN.

Type-material: holotype queen.

Type-locality: Taiwan: Taitung Pref., Lan Hsu I., Hungtou, 11.vii.1971 (*K. Mizusawa*).

Type-depository: NIAS.

Combination in *Cerapachys*: Bolton & Fisher, 2012: 72;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Bolton & Fisher, 2012: 72; Guénard & Dunn, 2012: 24.

Distribution: Taiwan.

***inconspicua*.** *Phyracaces inconspicuus* Clark, 1924b: 82, pl. 6, figs. 1, 2 (w.q.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated), 1 syntype queen.

Type-locality: Australia: Western Australia, National Park (*J. Clark*).

Type-depository: MVMA.

Combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Senior synonym of *incontentus* (unnecessary replacement name).

Distribution: Australia.

***incontentus*.** *Cerapachys incontentus* Brown, 1975: 23, 66.

Unnecessary replacement name for *inconspicuus* Clark, 1924b: 82.

Status as species: Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143; Heterick, 2009: 128.

Junior synonym of *inconspicuus* Clark, 1924b: 82.

***iovis*.** *Cerapachys (Phyracaces) iovis* Forel, 1915b: 20, pl. 1, fig. 1 (w.) AUSTRALIA (Queensland).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Queensland, Alice River (*E. Mjöberg*).
Type-depositories: ANIC, MHNG.
[Misspelled as *jovis* by Wheeler, W.M. 1918a: 243, Brown, 1975: 65, Taylor & Brown, 1985: 26.]
Combination in *Phyracaces*: Wheeler, W.M. 1918a: 243;
combination in *Cerapachys*: Brown, 1975: 23;
combination in *Lioponera*: Borowiec, M.L. 2016: 164.
Status as species: Wheeler, W.M. 1918a: 243; Brown, 1975: 23, 65; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143.
Distribution: Australia.

***kraepelinii*.** *Cerapachys kraepelinii* Forel, 1895c: 246 (w.) MADAGASCAR.

Type-material: syntype workers (number not stated).
Type-locality: Madagascar: Moramanga (*Sikora*).
Type-depository: MHNG.
Combination in *Phyracaces*: Emery, 1902c: 24;
combination in *Cerapachys*: Brown, 1975: 23;
combination in *Lioponera*: Borowiec, M.L. 2016: 164.
Status as species: Emery, 1911d: 11; Wheeler, W.M. 1922a: 1005; Brown, 1975: 23; Bolton, 1995b: 143.
Distribution: Madagascar.

***krombeini*.** *Phyracaces krombeini* Donisthorpe, 1947c: 580 (w.) NEW GUINEA (Papua New Guinea).

Type-material: 2 syntype workers.
Type-locality: Papua New Guinea: Port Moresby, 25-28.viii.1944 (*K.V. Krombein*).
Type-depository: USNM.
Combination in *Cerapachys*: Brown, 1975: 23;
combination in *Lioponera*: Borowiec, M.L. 2016: 164.
Status as species: Chapman & Capco, 1951: 22; Wilson, 1959b: 55; Brown, 1975: 23; Bolton, 1995b: 143.
Distribution: Papua New Guinea.

***langi*.** *Phyracaces langi* Wheeler, W.M. 1922a: 54, fig. 4 (w.q.) DEMOCRATIC REPUBLIC OF CONGO.

Type-material: 7 syntype workers, 8 syntype queens.
Type-locality: Democratic Republic of Congo (“Belgian Congo”): Lubila (*Lang & Chapin*).
Type-depository: MCZC.

Junior synonym of *foreli*: Brown, 1975: 22; Bolton, 1995b: 143.

***larvata*.** *Phyracaces larvatus* Wheeler, W.M. 1918a: 257, fig. 15 (w.) AUSTRALIA (New South Wales).

Type-material: syntype workers (number not stated, “numerous specimens from a single colony”).
Type-locality: Australia: New South Wales, Blue Mts, Katoomba, 19.ix.1914 (*W.M. Wheeler*).
Type-depository: MCZC.
Clark, 1924b: 83 (q.m.); Wheeler, G.C. & Wheeler, J. 1964a: 69 (l.).
Combination in *Cerapachys*: Brown, 1975: 23;
combination in *Lioponera*: Borowiec, M.L. 2016: 164.
Status as species: Clark, 1924b: 83; Clark, 1925a: 63; Brown, 1975: 23; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143.
Distribution: Australia.

***latus*.** *Cerapachys latus* Brown, 1975: 23.

Unnecessary replacement name for *reticulatus* Clark, 1926: 45.

Status as species: Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143; Heterick, 2009: 128.

Junior synonym of *reticulatus* Clark, 1926: 45.

leae. *Phyracaces leae* Wheeler, W.M. 1918a: 243, fig. 8 (w.) AUSTRALIA (Queensland).

Type-material: holotype worker.

Type-locality: Australia: Queensland, Townsville (*F.P. Dodd*).

Type-depository: SAMA.

Junior synonym of *fervida*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 143.

longitarsus. *Lioponera longitarsus* Mayr, 1879: 667 (w.q.) INDIA (West Bengal).

Type-material: 2 syntype workers, 1 syntype queen.

Type-locality: India: Calcutta (= Kolkata) (*Rothney*).

Type-depositories: BMNH, MHNW.

Forel, 1900d: 329 (m.).

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Emery, 1887b: 444; Dalla Torre, 1893: 17; Forel, 1895f: 422; Forel, 1900d: 329; Emery, 1902c: 24; Rothney, 1903: 97; Bingham, 1903: 27; Emery, 1911d: 12; Forel, 1913f: 187; Wheeler, W.M. 1929g: 58; Donisthorpe, 1939a: 253; Chapman & Capco, 1951: 21; Brown, 1975: 23, 63; Collingwood, 1985: 237; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Kugler, J. 1988: 256; Terayama, *et al.* 1988: 38; Bolton, 1995b: 143; Tang, J., Li, *et al.* 1995: 26; Wu, J. & Wang, 1995: 48; Collingwood & Agosti, 1996: 312; Tiwari, 1999: 33; Mathew & Tiwari, 2000: 269; Lin & Wu, 2003: 60; Jaitrong & Nabhitabha, 2005: 18; Famenau & Thomas, 2008: 58; Heterick, 2009: 127; Terayama, 2009: 121; Vonshak, *et al.* 2009: 38; Collingwood, *et al.* 2011: 408; Guénard & Dunn, 2012: 24; Sharaf, Abdel-Dayem, *et al.* 2013: 570; Bharti & Akbar, 2013a: 83 (in key); Bharti & Wachkoo, 2013d: 1192 (in key); Borowiec, L. 2014: 62; Bharti, Guénard, *et al.* 2016: 22; Chen, Shi & Zhou, 2016: 9 (in key); Rasheed, *et al.* 2019: 428.

Senior synonym of *aegyptiacus*: Bolton, 1995b: 143.

Senior synonym of *alfieri*: Bolton, 1995b: 143.

Senior synonym of *australis*: Forel, 1895f: 422; Brown, 1975: 23; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143.

Senior synonym of *bicolor*: Brown, 1975: 23; Bolton, 1995b: 143.

Senior synonym of *cooperi*: Bolton, 1995b: 143.

Senior synonym of *pygmaeus*: Brown, 1975: 23; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143.

Distribution: Australia, China, Christmas I., Egypt, India, Israel, Myanmar, Pakistan, Philippines (Luzon), Saudi Arabia, Taiwan, Thailand, United Arab Emirates, Yemen.

luzuriagae. *Lioponera luzuriagae* Wheeler, W.M. & Chapman, 1925: 53, pl. 1, figs. 13, 14 (w.q.) PHILIPPINES (Negros I.).

Type-material: 16 syntype workers, 1 syntype queen.

Type-locality: Philippines: Negros Prov., Negros Oriental, Luzuriaga, Horns of Negros (*J.W. Chapman*).

Type-depository: MCZC.

[Misspelled as *luzuriaga* by Donisthorpe, 1939a: 255.]

Wheeler, G.C. 1950: 108 (l.).

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Donisthorpe, 1939a: 255; Chapman & Capco, 1951: 21; Baltazar, 1966: 233; Brown, 1975: 23; Bolton, 1995b: 143.
Distribution: Philippines (Negros).

macrops. *Neophyracaces macrops* Clark, 1941: 79, pl. 13, fig. 8 (w.) AUSTRALIA (Victoria).

Type-material: syntype workers (number not stated, "a small colony").

Type-locality: Australia: Victoria, Patho (*H.A. Potter*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 143.

Distribution: Australia.

marginata. *Cerapachys marginata* Emery, 1897c: 594, pl. 15, fig. 41 (w.) NEW GUINEA (Papua New Guinea).

Type-material: holotype worker.

Type-locality: Papua New Guinea: Lemien, nr Berlinhafen (= Aitepe) (*L. Birô*).

Type-depository: HNHM.

Combination in *Phyracaces*: Emery, 1902c: 24;

combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Emery, 1911d: 11; Chapman & Capco, 1951: 19, 22; Wilson, 1959b: 55; Brown, 1975: 23; Bolton, 1995b: 143.

Distribution: Papua New Guinea.

mayri. *Cerapachys mayri* Forel, 1892l: 244 (w.) MADAGASCAR.

Type-material: syntype workers (number not stated).

Type-locality: Madagascar: Bezanozano Prov., nr Anosibé, 3 days ESE Antananarivo (*Sikora*).

Type-depository: MHNG.

Combination in *Phyracaces*: Emery, 1902c: 24;

combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Dalla Torre, 1893: 17; Emery, 1899f: 264; Emery, 1911d: 11; Wheeler, W.M. 1922a: 1005; Brown, 1975: 23, 64; Bolton, 1995b: 143.

Senior synonym of brachynodus: Brown, 1975: 23; Bolton, 1995b: 143.

Distribution: Madagascar.

mayri. *Phyracaces mayri* Chapman & Capco, 1951: 22. *Nomen nudum* (attributed to Emery).

mjobergi. *Cerapachys (Phyracaces) mjobergi* Forel, 1915b: 18, pl. 1, fig. 9 (w.) AUSTRALIA (Western Australia).

Type-material: holotype (?) worker.

[Note: no indication of number of specimens is given.]

Type-locality: Australia: NW Australia, Derby (*E. Mjöberg*).

Type-depository: MHNG.

Combination in *Phyracaces*: Wheeler, W.M. 1918a: 243;

combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Wheeler, W.M. 1918a: 243; Brown, 1975: 23; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 144.

Distribution: Australia.

mullewana. *Phyracaces mullewanus* Wheeler, W.M. 1918a: 251 (m.) AUSTRALIA (Western Australia).

Type-material: holotype male.

Type-locality: Australia: Western Australia, Mullewa (*F. May*).

Type-depository: SAMA.

[Note: In the original description Wheeler gives the depository as SAMA, which is where Brown, 1975: 65 also assumes it to be; however, Taylor & Brown, 1985: 27, say that it is in MCZC.]

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23, 65; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 144.

Distribution: Australia.

nayana. *Cerapachys nayana* Bharti & Akbar, 2013a: 90, figs. 3B, 4B, 17-22 (w. ergatoid q.) INDIA (Kerala, Karnataka).

Type-material: holotype worker, 10 paratype workers, 4 paratype ergatoid queens.

Type-locality: holotype India: Kerala, Silent Valley Nat. Park, 11°5'N, 76°26'E, 897 m., 25.ix.2011, hand picking (*S.A. Akbar*); paratypes: 2 workers, 1 ergatoid queen with same data, 6 workers, 2 ergatoid queens Karnataka, Gundlupet, 11°8'N, 76°68'E, 800 m., 27.ix.2010 (*S.A. Akbar*), 2 workers, 1 ergatoid queen Kerala, Periyar Tiger Reserve, 9°46'N, 77°14'E, 1005 m., 10.x.2011 (*S.A. Akbar*).

Type-depositories: PUAC (holotype); BMNH, PUAC (paratypes).

Combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Bharti, Guénard, *et al.* 2016: 22.

Distribution: India.

neocaledonica. *Lioponera neocaledonica* Jouault, Ramage & Perrichot, in Ramage, Jouault, *et al.* 2019: 7, figs. 4, 5B (wingless q.) NEW CALEDONIA.

Type-material: holotype ergatoid queen, 3 paratype ergatoid queens.

Type-locality: holotype New Caledonia: Grande Terre, Province Sud, Saraméa, Plateau de Dogny trail, 21°37'31"S, 165°52'5"E, 441 m., 16.xi.2011, VP188, mixed mountain forest, on ground (*V. Perrichot*); paratypes: 2 ergatoid queens with same data, 1 ergatoid queen Grande Terre, Province Sud, Montagne des Sources, 22°09'35.1"S, 166°35'42.4"E, 394 m., 23.x.2010 (*M. Berman*).

Type-depositories: MNHN (holotype); ANIC, MNHN (paratypes).

Distribution: New Caledonia.

newmani. *Phyracaces newmani* Clark, 1924a: 82, fig. 7 (w.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated, "many").

Type-locality: Australia: Western Australia, Mundaring (*J. Clark*).

Type-depositories: MCZC, MVMA, NHMB.

Clark, 1924b: 84 (q.).

Status as species: Clark, 1924b: 84.

Junior synonym of *fervida*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 144.

nigra. *Lioponera nigra* Santschi, 1914b: 46 (m.) KENYA.

Type-material: holotype male.

Type-locality: Kenya ("Afrique orientale anglaise"): Molo, Mau escarpment, 2420 m., st. no. 19, xii.1911 (*Ch. Alluaud & R. Jeannel*).

Type-depository: NHMB.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Wheeler, W.M. 1922a: 757; Donisthorpe, 1939a: 255; Brown, 1975: 23; Bolton, 1995b: 144; Hita Garcia, *et al.* 2013: 201.

Distribution: Kenya.

nigriventris. *Phyracaces nigriventris* Clark, 1924b: 84, pl. 6, figs. 3, 4 (w.q.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated), 1 syntype ergatoid queen.

Type-locality: Australia: Western Australia, National Park (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144; Heterick, 2009: 129.

Distribution: Australia.

***nkomoensis*.** *Phyracaces nkomoensis* Forel, 1916: 400 (w.) DEMOCRATIC REPUBLIC OF CONGO.

Type-material: syntype workers (number not stated).

Type-locality: Democratic Republic of Congo (“Congo”): St Gabriel (*H. Kohl*).

Type-depository: MHNG.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Wheeler, W.M. 1922a: 757; Brown, 1975: 23, 61; Bolton, 1995b: 144; Hita Garcia, *et al.* 2013: 201.

Senior synonym of *congolensis*: Brown, 1975: 23; Bolton, 1995b: 144.

Senior synonym of *eidmanni*: Brown, 1975: 23; Bolton, 1995b: 144.

Distribution: Democratic Republic of Congo, Equatorial Guinea, Ghana, Kenya, Nigeria.

***noctambula*.** *Lioponera noctambula* Santschi, 1910d: 70 (m.) TUNISIA.

Type-material: 5 syntype males.

Type-locality: Tunisia: Kairouan (*F. Santschi*).

Type-depository: NHMB.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Emery, 1911d: 12; Donisthorpe, 1939a: 254; Brown, 1975: 23; Bolton, 1995b: 144; Borowiec, L. 2014: 62.

Distribution: Tunisia.

***occipitalis*.** *Phyracaces occipitalis* Bernard, 1953b: 216, fig. 6E (w.) GUINEA.

Type-material: holotype worker.

Type-locality: Guinea: Camp IV, 1000 m., forêt, station B6.14 (*Lamotte*).

Type-depository: MNHN.

Junior synonym of *foreli*: Brown, 1975: 22; Bolton, 1995b: 144.

***parva*.** *Lioponera longitarsus* r. *parva* Forel, 1900d: 330 (w.m.) INDIA (West Bengal, Odisha, Tamil Nadu, Uttarakhand, Maharashtra, Karnataka).

Type-material: syntype workers, syntype males (numbers not stated).

Type-localities: India: Calcutta (= Kolkata) (*Rothney*), Barrackpore (*Rothney*), Madras (= Chennai) (*Rothney*), Orissa (= Odisha) (*Taylor*), Dehra Dun (*Smythies*), Poona (= Pune) (*Wroughton*), and Belgaum (*Wroughton*).

Type-depositories: MHNG, NHMB.

Subspecies of *longitarsus*: Forel, 1906b: 91.

Junior synonym of *longitarsus*: Brown, 1975: 23; Bolton, 1995b: 144.

Status as species: Bingham, 1903: 27; Emery, 1911d: 12; Donisthorpe, 1939a: 254; Menozzi, 1939a: 327; Chapman & Capco, 1951: 21; Tang, J., Li, *et al.* 1995: 26; Tiwari, 1999: 33; Mathew & Tiwari, 2000: 269; Bharti, Guénard, *et al.* 2016: 22.

Distribution: China, India.

***picipes*.** *Phyracaces picipes* Clark, 1924b: 86, pl. 6, fig. 8 (w.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated, “several”).

Type-locality: Australia: Western Australia, Tammin (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144; Heterick, 2009: 126.

Distribution: Australia.

picta. *Phyracaces pictus* Clark, 1934b: 23, pl. 2, fig. 3 (w.) AUSTRALIA (Victoria).

Type-material: holotype (?) worker.

[Note: no indication of number of specimens is given; Taylor & Brown, 1985: 27, suspect a syntype series.]

Type-locality: Australia: Victoria, Western Dist. (no collector's name, perhaps J. Clark?).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 23, 65;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144.

Distribution: Australia.

piliventris. *Neophyracaces piliventris* Clark, 1941: 80, pl. 13, fig. 9 (w.) AUSTRALIA (Queensland).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Queensland, Brisbane (*H. Hacker*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144.

Distribution: Australia.

potteri. *Neophyracaces potteri* Clark, 1941: 76, pl. 13, figs. 4, 5 (w.m.) AUSTRALIA (Victoria).

Type-material: syntype workers, syntype males (numbers not stated).

Type-locality: Australia: Victoria, Patho (*H.A. Potter*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144.

Distribution: Australia.

princeps. *Phyracaces princeps* Clark, 1934b: 24, pl. 2, fig. 4 (w.) AUSTRALIA (South Australia).

Type-material: syntype workers (number not stated).

Type-locality: Australia: South Australia, NE corner, Minnie Downs (no collector's name, perhaps J. Clark?).

Type-depository: SAMA.

Combination in *Cerapachys*: Brown, 1975: 23.

Synonym of *clara*: Brown, 1975: 23, 65; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144; Heterick, 2009: 127.

[Note: all these authors give *princeps* as senior synonym, but *clara* has priority. The error arose from Brown's assumption that *clara* was a junior homonym, which is not the case.]

Distribution: Australia.

pruinosa. *Cerapachys pruinosis* Brown, 1975: 71, figs. 51-53 (w.) PHILIPPINES (Negros I.).

Type-material: holotype worker.

Type-locality: Philippines: Negros, Negros Oriental, Cuernos Mts (ca 1100 m.), nr Dumaguete, 2.v.1927 (*J.W. Chapman*).

Type-depository: MCZC.

Combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Bolton, 1995b: 144.

Distribution: Philippines (Negros).

***pubescens*.** *Phyracaces pubescens* Emery, 1902c: 26 (q.) BORNEO (Indonesia: Kalimantan, Laut I.).

Type-material: holotype queen.

Type-locality: Indonesia ("Borneo"): Pulo Laut (*Doherty*).

Type-depository: MSNG.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Emery, 1911d: 11; Wheeler, W.M. 1919e: 48; Chapman & Capco, 1951: 22; Brown, 1975: 23; Bolton, 1995b: 144; Pfeiffer, *et al.* 2011: 33.

Distribution: Indonesia (Kalimantan).

***punctatissima*.** *Phyracaces punctatissima* Clark, 1924a: 84, fig. 8 (w.q.) AUSTRALIA (Western Australia).

Type-material: 160 syntype workers, 4 syntype queens.

Type-locality: Australia: Western Australia, Mundaring (*J. Clark*).

Type-depositories: MVMA, NHMB.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23, 66; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144; Heterick, 2009: 128.

Distribution: Australia.

***pygmaeus*.** *Phyracaces pygmaeus* Clark, 1934b: 26, pl. 2, fig. 7 (w.) AUSTRALIA.

Type-material: syntype workers (number not stated).

Type-locality: Australia: N Queensland, Kuranda (*F.P. Dodd*).

Type-depository: MVMA.

Junior synonym of *longitarsus*: Brown, 1975: 23; Taylor & Brown, 1985: 26; Taylor, 1987a: 18; Bolton, 1995b: 144.

***reticulata*.** *Phyracaces reticulatus* Clark, 1926: 45, pl. 6, fig. 2 (w.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Western Australia, National Park (*J. Clark*).

Type-depository: MVMA.

Combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Senior synonym of *latus* (unnecessary replacement name).

Distribution: Australia.

***rotula*.** *Cerapachys (Phyracaces) singularis* subsp. *rotula* Forel, 1910b: 21 (w.) AUSTRALIA (New South Wales).

Type-material: syntype workers (number not stated).

Type-locality: Australia: New South Wales, Inverall, Reedy Creek (*Froggatt*).

Type-depositories: ANIC, MHNG, NHMB.

Combination in *Phyracaces*: Emery, 1911d: 11.

Subspecies of *singularis*: Emery, 1911d: 11; Wheeler, W.M. 1918a: 242.

Junior synonym of *singularis*: Brown, 1975: 23, 65; Taylor & Brown, 1985: 28; Taylor, 1987a: 19; Bolton, 1995b: 144.

***ruficornis*.** *Phyracaces ruficornis* Clark, 1924a: 86, fig. 9 (w.l.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated, "several").

Type-locality: Australia: Western Australia, Mundaring, Armadale (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23, 66; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144; Heterick, 2009: 128.

Distribution: Australia.

rugulinodis. *Phyracaces rugulinodis* Wheeler, W.M. 1918a: 249, fig. 11 (m.) AUSTRALIA (South Australia).

Type-material: lectotype male (by designation of Brown, 1975: 65).

Type-locality: Australia: South Australia, Murat Bay (no collector's name).

Type-depository: MCZC.

[Note: a second original syntype male mentioned by Wheeler is from South Australia, Ardrossan (*J.G.O. Tepper*), and should be in SAMA.]

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23, 65; Taylor & Brown, 1985: 27; Taylor, 1987a: 18; Bolton, 1995b: 144.

Distribution: Australia.

santschii. *Phyracaces santschii* Wheeler, W.M. 1922a: 56 (in text) (q.) GABON.

Type-material: holotype queen.

Type-locality: Gabon: Samkita (*F. Faure*).

[Note: this taxon was founded on the queen described as *Phyracaces foreli* by Santschi, 1915c: 245.]

Type-depository: NHMB.

Junior synonym of *foreli*: Brown, 1975: 22; Bolton, 1995b: 144.

scrutator. *Phyracaces scrutator* Wheeler, W.M. 1918a: 247, fig. 10 (w.) AUSTRALIA (Queensland).

Type-material: syntype workers (number not stated, "several").

Type-locality: Australia: Queensland, Toowong, nr Brisbane, 10.xi.1914 (W.M. Wheeler).

Type-depository: MCZC.

Junior synonym of *fervida*: Brown, 1975: 22; Taylor & Brown, 1985: 25; Taylor, 1987a: 17; Bolton, 1995b: 144.

senescens. *Phyracaces senescens* Wheeler, W.M. 1918a: 259, fig. 16 (w.) AUSTRALIA (New South Wales).

Type-material: syntype workers (number not stated, "numerous").

Type-locality: Australia: New South Wales, Salisbury Court, nr Uralla, 26.xi.1914 (W.M. Wheeler).

Type-depository: MCZC.

Wheeler, G.C. & Wheeler, J. 1964a: 70 (l.).

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Clark, 1924b: 87; Clark, 1925a: 64; Brown, 1975: 23; Taylor & Brown, 1985: 27; Taylor, 1987a: 19; Bolton, 1995b: 144.

Distribution: Australia.

similis. *Lioponera similis* Santschi, 1930a: 51, figs. 8-10 (m.) IVORY COAST.

Type-material: 8 syntype males.

Type-locality: Ivory Coast: Dimbroko (*Le Moult*).

Type-depository: NHMB.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Donisthorpe, 1939a: 255; Brown, 1975: 23; Bolton, 1995b: 144.

Distribution: Ivory Coast.

simmonsae. *Phyracaces simmonsae* Clark, 1924a: 87, fig. 10 (w.q.l.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated), 1 syntype ergatoid queen.

Type-localities: Australia: Western Australia, Mundaring (*J. Clark*), and Western Australia, Denmark (*E. Simmons*).

Type-depositories: MVMA, NHMB.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 23; Taylor & Brown, 1985: 28; Taylor, 1987a: 19; Bolton, 1995b: 144; Heterick, 2009: 126.

Distribution: Australia.

singaporensis. *Phyracaces singaporensis* Viehmeyer, 1916a: 110 (w., ergatandromorph)

SINGAPORE.

Type-material: syntype workers (number not stated), 1 syntype ergatandromorph.

Type-locality: Singapore: 14:61, in hollow *Mangifera* twig (*H. Overbeck*).

Type-depositories: MNHU, NHMB.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Chapman & Capco, 1951: 22; Brown, 1975: 23; Bolton, 1995b: 144.

Distribution: Singapore.

singularis. *Cerapachys singularis* Forel, 1900b: 69 (w.) AUSTRALIA (South Australia).

Type-material: holotype (?) worker.

[Note: no indication of number of specimens is given.]

Type-locality: Australia: "Australie méridionale" (no further data) (*Wroughton*).

Type-depository: MHNG.

Combination in *Phyracaces*: Emery, 1902c: 24;

combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Emery, 1911d: 11; Wheeler, W.M. 1918a: 242; Brown, 1975: 23, 65; Taylor & Brown, 1985: 28; Taylor, 1987a: 19; Bolton, 1995b: 144.

Senior synonym of *rotula*: Brown, 1975: 23, 65; Taylor & Brown, 1985: 28; Taylor, 1987a: 19; Bolton, 1995b: 144.

Distribution: Australia.

sjostedti. *Cerapachys (Phyracaces) sjostedti* Forel, 1915b: 19, pl. 1, fig. 6 (w.) AUSTRALIA ("N.W. Australien").

Type-material: syntype workers (number not stated).

Type-locality: Australia: "NW Australia" (no further data) (*E. Mjöberg*).

Type-depositories: ANIC, MHNG.

Combination in *Phyracaces*: Wheeler, W.M. 1918a: 243;

combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Wheeler, W.M. 1918a: 243; Brown, 1975: 23; Taylor & Brown, 1985: 28; Taylor, 1987a: 19; Bolton, 1995b: 144; Heterick, 2009: 128.

Distribution: Australia.

suscitata. *Phyracaces suscitatus* Viehmeyer, 1913: 143 (w.) INDONESIA (Sulawesi) (in copal).

Type-material: holotype worker.

Type-locality: Indonesia: Celebes (= Sulawesi), in copal (no collector's name).

Type-depository: MNHU.

Combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Chapman & Capco, 1951: 22; Brown, 1975: 23, 67; Bolton, 1995b: 145; Pfeiffer, *et al.* 2011: 33.

Senior synonym of *hewitti* Donisthorpe: Brown, 1975: 23; Bolton, 1995b: 145.

Distribution: Indonesia (Sulawesi), Malaysia (Peninsula, Sarawak), Philippines (Negros).

turneri. *Cerapachys (Phracaces) turneri* Forel, 1902h: 405 (w.q.) AUSTRALIA (Queensland).

Type-material: syntype workers (number not stated), 1 syntype queen.

Type-locality: Australia: Queensland, Mackay (*G. Turner*).

Type-depositories: ANIC, MHNG.

Combination in *Phracaces*: Emery, 1911d: 11;

combination in *Cerapachys*: Brown, 1975: 23;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Emery, 1911d: 11; Wheeler, W.M. 1918a: 256 (redescription); Brown, 1975: 23; Taylor & Brown, 1985: 28; Taylor, 1987a: 19; Bolton, 1995b: 145.

Distribution: Australia.

vandermeermohri Menozzi, 1932 [*Phracaces*]: see under **CERAPACHYS**.

varians. *Phracaces varians* Clark, 1924b: 87, pl. 6, fig. 6 (w.) AUSTRALIA (Western Australia).

Type-material: syntype workers (number not stated).

Type-locality: Australia: Western Australia, Lion Mill (*J. Clark*).

Type-depository: MVMA.

Combination in *Cerapachys*: Brown, 1975: 24;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 24; Taylor & Brown, 1985: 28; Taylor, 1987a: 19; Bolton, 1995b: 145; Heterick, 2009: 127.

Distribution: Australia.

versicolor. *Lioponera versicolor* Donisthorpe, 1948d: 589 (m.) NEW GUINEA (Indonesia).

Type-material: holotype male.

Type-locality: Indonesia: Irian Jaya ("Dutch New Guinea"), Maffin Bay, 8.viii.1944 (*E.S. Ross*).

Type-depository: CASC.

Combination in *Cerapachys*: Brown, 1975: 24;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Chapman & Capco, 1951: 21; Wilson, 1959b: 56; Brown, 1975: 24; Bolton, 1995b: 145.

Distribution: Indonesia (Irian Jaya).

vespula. *Phracaces vespula* Weber, 1949a: 5, fig. 5 (w.) KENYA.

Type-material: holotype worker, 1 paratype worker.

Type-locality: holotype Kenya: central Kavirondo, 5000 ft, 17.ii.1948 (*N.A. Weber*); paratype with same data.

Type-depository: AMNH.

Combination in *Cerapachys*: Brown, 1975: 24;

combination in *Lioponera*: Borowiec, M.L. 2016: 164.

Status as species: Brown, 1975: 24, 61; Bolton, 1995b: 145; Hita Garcia, *et al.* 2013: 201.

Senior synonym of *cooperi* Arnold: Brown, 1975: 24; Bolton, 1995b: 145.

Distribution: Kenya, South Africa.