# TREATISE ON THE ISOPTERA OF THE WORLD

6. TERMITIDAE (PART THREE), INCERTAE SEDIS,
TAXA EXCLUDED FROM ISOPTERA

KUMAR KRISHNA, DAVID A. GRIMALDI, VALERIE KRISHNA, AND MICHAEL S. ENGEL



BULLETIN OF THE AMERICAN MUSEUM OF NATURAL HISTORY

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#### VOLUME 6

# TERMITIDAE (PART THREE), INCERTAE SEDIS, TAXA EXCLUDED FROM ISOPTERA

# KUMAR KRISHNA, DAVID A. GRIMALDI, VALERIE KRISHNA

Division of Invertebrate Zoology, American Museum of Natural History Central Park West at 79th Street, New York, New York 10024-5192

#### AND

# MICHAEL S. ENGEL

Division of Invertebrate Zoology, American Museum of Natural History Central Park West at 79th Street, New York, New York 10024-5192;

Division of Entomology (Paleoentomology), Natural History Museum and Department of Ecology and Evolutionary Biology 1501 Crestline Drive, Suite 140 University of Kansas, Lawrence, Kansas 66045

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# **TERMITINAE Latreille, 1802**

# **Termitina** Latreille, 1802: 293 [first proposed as Termitines; termitina].

Type genus: Termes Linnaeus, 1758.

- Froggatt, 1897a: 518 Termitinae [part]; characters.
- Holmgren, 1910b: 286 Termitinae; listed; subfamily of Metatermitidae; genera included.
- Holmgren, 1911a: 11 Termitinae; of new family Metatermitidae [Holmgren incorrectly cited as author of Termitinae].
- Banks, 1920: 10 Termitinae; key.
- Sjöstedt, 1926d: 8, 72 Termitinae; key.
- Pongrácz, 1926: 29 Termitinae; geological distribution.
- Hare, 1937: 460, 462, 474, 475, pl. 1 Termitinae; of Termitidae; phylogeny; Holmgren's phylogeny compared.
- Snyder, 1949a: 148 Termitinae [part]; synonymy; genera included.
- Noirot, 1954: 461-474 Termitinae; caste determination and differentiation.
- Emerson, 1955: 506, 516, 517 Termitinae; number of genera and species; distribution.
- Grassé and Noirot, 1955a: 365 Termitinae; characters; comparisons.
- Tu, 1955a: 33, 34 Termitinae; distribution.
- Weidner, 1955f: 41, 43, 73 Termitinae; key; characters; genera included; discussion.
- Noirot, 1956: 150–151 Termitinae; supplementary reproductives; replacements.
- Noirot and Kovoor, 1958: 440–471 Termitinae; digestive tube anatomy.
- Harris, 1961a: 55 Termitinae; characters; genera included.
- Bouillon and Mathot, 1965: 21 Termitinae; key; characters.
- Bouillon and Mathot, 1966: 14 Termitinae; number of genera and species in Ethiopian Region.
- Noirot, 1969b: 311-350 Termitinae; polymorphism; caste determination and development.
- Noirot and Noirot-Timothée, 1969: 49-88 Termitinae; gut morphology.
- Araujo, 1970d: 531, 535 Termitinae; number of genera and species; ecology; distribution; Neotropical Region.
- Bouillon, 1970: 163 Termitinae; genera included; biogeography; origins; Ethiopian Region.
- Krishna, 1970: 131, 143–145, figs. 1, 6 Termitinae [part]; discussion; phylogeny of subfamily and genera; distribution.
- Weidner, 1970c: 11, 12, 24 Termitinae; of Termitidae; key; discussion.
- Bouillon and Mathot, 1971: table Termitinae; number of genera and species in Ethiopian Region.
- Araujo, 1972a: 256 Termitinae; number of genera and species; distribution in Neotropical Region.
- Akhtar, 1974b: 99, 100 Termitinae; biogeography. Pakistan.
- Sen-Sarma, 1974: 455–462 Termitinae; ecology and biogeography.
- Akhtar, 1975: 186–187, 190 Termitinae; biogeography.
- Morimoto, 1975b: 17 Termitinae; key.
- Thakur, 1975a: 341-345 Termitinae; of Termitidae; zoogeography of northwest Himalaya.
- Ruelle, 1978a: 754-757 Termitinae; biogeography. South Africa.
- Johnson, 1979: 36 Termitinae; digestive tube.
- Prestwich, 1979d: 129–130 Termitinae; secretions; biochemistry; defense.
- Prestwich, 1979b: 467–468 Termitinae; Amitermitinae included; chemical defense; frontal gland; biochemistry.
- Collins, 1980c: 270, table 4 Termitinae; ecology; soil microfauna density. Malaysia.
- Ampion and Quennedey, 1981: 254, 259, fig. 1 Termitinae; sternal and tergal gland; phylogeny.
- Fontes, 1983: 143 Termitinae; additions and corrections to Araujo's catalog, 1977c.
- Collins, 1983: 311–325 Termitinae; ecology; population density; Malaysian fauna.
- Mill, 1983a: 180 Termitinae; key.
- Prestwich, 1983b: 293-294 Termitinae; defensive secretions; biochemistry.
- Roonwal, 1983b: 367, 381 Termitinae; wing microsculpturing.

- Bose, 1984: 120 Termitinae; key.
- Howse, 1984b: 491-496 Termitinae; glands; secretions; biochemistry; defense; behavior.
- Abe, 1987: 130 Termitinae; nest type.
- Chhotani, 1987: 408-411, 416-417 Termitinae; distribution and zoogeography of Oriental taxa.
- Thakur, 1989b: 355 Termitinae; number of genera and species. India.
- Thakur (R.K.), 1991: 27–28, 30 Termitinae; biogeography; Indian subregion.
- Watson and Gay, 1991: 345–346 Termitinae; characters; genera included; biology.
- Jones, 1996: 297–305 Termitinae; ecology; biomass, nest density. Brunei.
- Chhotani, 1997: 9–12, 14–16, 216–223 Amitermitinae [part] + Termitinae; synonymy; characters; distribution and composition; key to genera.
- Inoue et al., 1997b: 159-171 Termitinae; mtDNA sequence; phylogeny; 10 Australian species.
- Fontes and Monteiro, 1998: 23 Termitinae; etymology and pronunciation.
- Constantino, 1999a: 409 Termitinae; key.
- Bose, 1999: 27 Termitinae; key.
- Eggleton, 2000: 39, 41–43 Termitinae; distribution.
- Kambhampati and Eggleton, 2000: 22 Amitermitinae; key.
- Eggleton and Tayasu, 2001: 943, table 1, figs. 2, 8 Termitinae; biodiversity; classification and phylogeny based on ecological characteristics: feeding groups and "lifeways."
- Noirot, 2001: 431–471 Termitinae; gut morphology; phylogeny.
- König et al., 2002: 125–156 Termitinae; hind gut fauna and flora; symbionts: protozoa and bacteria; physiology of digestion; review.
- Uys, 2002: 41, 65 Termitinae; key; remarks.
- Engel and Krishna, 2004a: 5, table 1 Termitinae; classification.
- Ohkuma et al., 2004: 701–710 Termitinae; phylogeny; COII sequences; asian taxa.
- Vargas-Niño et al., 2005: 184, 187 Termitinae; list of genera; distribution. Colombia.
- Donovan et al., 2007: 1-10 Termitinae; spatial distribution; soils; rainforest. Malaysia: Sabah.
- Inward et al., 2007b: 953–967 Termitinae; generic level phylogeny; morphological and molecular data; evolution of life histories.
- Bergamaschi et al., 2007: 735–753 Termitinae; COII; karyotype; phylogeny; Australian species.
- Reis and Cancello, 2007: 229-234 Termitinae; diversity; distribution; Atlantic forest; richness.
- Yamada et al., 2007: 3768–3777 Termitinae; nifH; nitrogen fixation; symbiosis; phylogeny.
- Engel et al., 2009: 10 Termitinae; classification; listed.
- Josens and Soki, 2010: 303–316  $\bullet$  Termitinae; population numbers; mound volume; gas exchanges.
- Vasconcellos, 2010: 455–461 Termitinae; vertical distribution; quantitative survey; nest. Brazil.

#### Amitermitinae Kemner, 1934b: 110.

Type genus: Amitermes Silvestri, 1901.

- Hare, 1937: pl. 2 Amitermitinae (= *Hamitermes* Reihe); Holmgren's phylogeny compared.
- Snyder, 1949a: 100-101 Amitermitinae [part]; catalog; synonymy; genera included.
- Grassé, 1949: 538 Amitermitinae; characters; genera included.
- Emerson, 1955: 506, 516, 517 Amitermitinae; number of genera and species; distribution [listed as valid].
- Tu, 1955a: 33, 34 Amitermitinae; distribution.
- Weidner, 1955f: 43, 63-64, 72 Amitermitinae; key; characters; genera included; discussion.
- Noirot, 1956: 150 Amitermitinae; supplementary reproductives; replacements.
- Harris, 1961a: 53–54 Amitermitinae; characters; genera included.
- Bouillon and Mathot, 1965: 21 Amitermitinae; key; characters.
- Bouillon and Mathot, 1966: 14 Amitermitinae; number of genera and species in Ethiopian Region.
- Noirot, 1969b: 311-350 Amitermitinae; polymorphism; caste determination and development.
- Noirot and Noirot-Timothée, 1969: 49-88 Amitermitinae; gut morphology.

- Araujo, 1970d: 531, 533 Amitermitinae; number of genera and species; ecology; distribution.
   Neotropical Region.
- Bouillon, 1970: 162, 163 Amitermitinae; genera included; biogeography; origins. Ethiopian Region.
- Krishna, 1970: 131, 140–143; figs. 1, 5 Amitermitinae [part]; discussion; phylogeny of subfamily and genera; distribution.
- Weidner, 1970c: 11, 12, 23 Amitermitinae; key; characters; discussion [listed as valid].
- Bouillon and Mathot, 1971: table Amitermitinae; table; number of genera and species in Ethiopian Region.
- Araujo, 1972a: 256 Amitermitinae; number of genera and species; distribution in Neotropical Region.
- Sands, 1972: 3, 35 Amitermitinae; synonymized with Termitinae.
- Sen-Sarma, 1974: 455–462 Amitermitinae; ecology and biogeography.
- Morimoto, 1975b: 17 Amitermitinae [part]; key.
- Roonwal, 1975g: 397 Amitermitinae; key.
- Roonwal, 1975c: 37, fig. 9 Amitermitinae; phylogeny.
- Thakur, 1975a: 341–345 Amitermitinae; zoogeography of northwest Himalaya.
- Ahmad, 1976: 121 Amitermitinae; validity; cited as synonym of Termitinae.
- Roonwal, 1983b: 367, 381 Amitermitinae; wing microsculpturing.
- Thakur, 1989b: 355 Amitermitinae [part]; number of genera and species. India.
- Chhotani, 1997: 9–12, 14–16 Amitermitinae [part]; synonymy; characters; distribution and composition; key to genera.
- Poole and Gentili, 1997: 493 Amitermitinae [part]; listed.
- Bose, 1999: 25, 26 Amitermitinae; key.
- Engel and Krishna, 2004a: 3, 5, table 1 Amitermitinae; classification; listed as synonym.
- Engel et al., 2009: 10 Amitermitinae; classification; listed as synonym.

#### Microcerotermitinae Holmgren, 1910a: 145.

Type Genus: Microcerotermes Silvestri, 1901.

- Kemner, 1934b: 158 Microcerotermitinae; synonymy.
- Hare, 1937: 462, pl. 2 *Microcerotermes* placed close to *Amitermes*, without reference to the subfamily Microcerotermitinae, in which Holmgren had placed it.
- Grassé, 1949: 540 Microcerotermitinae; characters; genera included.
- Snyder, 1949a: 100 Microcerotermitinae; synonymized with Amitermitinae [in turn synonymized with Termitinae by Sands, 1972].
- Noirot, 1956: 150 Microcerotermitinae; supplementary reproductives; replacements.
- Weidner, 1956b: 65, 92 Microcerotermitinae; key [Grassé incorrectly cited as author].
- Engel and Krishna, 2004a: 3, 5, table 1 Microcerotermitinae; classification; listed as synonym.
- Engel et al., 2009: 10 Microcerotermitinae; classification; listed as synonym.

# Mirocapritermitinae Kemner, 1934b: 166 [This subfamily was named for a genus group name, "Miro-Capritermes-Reihe" created by Holmgren, 1912: 97].

Type Genus: Mirocapritermes Holmgren, 1914.

- Hare, 1937: 462, 474, pl. 2 *Miro-Capritermes*-Reihe (=Termitinae); discussion; genera included; Holmgren's phylogeny compared.
- Snyder, 1949a: 148 Miro-Capritermitinae; synonymized with Termitinae; genera included.
- Grassé, 1949: 539 Mirocapritermitinae; characters; genera included.
- Grassé, 1952b: 56 Mirocapritermitinae; caste development.
- Weidner, 1955f: 65–66 Termitinae; (= Mirocapritermitinae [sic]); discussion.
- Engel and Krishna, 2004a: 3, 5, table 1 Mirocapritermitinae; classification; listed as synonym.
- Engel et al., 2009: 10 Mirocapritermitinae; classification; listed as synonym.

Mirotermitini Weidner, 1956b: 99 [type genus automatically Mirotermes Wasmann, 1897].

Type Genus: Mirotermes Wasmann, 1897.

- Engel and Krishna, 2004a: 5 Mirotermitini; cited; synonymized with Termitinae.
- Engel et al., 2009: 10 Mirotermitini; classification; listed as synonym.

Capritermitini Weidner, 1956b: 100 [type genus automatically *Capritermes* Wasmann, 1897].

Type Genus: Capritermes Wasmann, 1897.

- Engel and Krishna, 2004a: 5 Capritermitini; cited; synonymized with Termitinae.
- Engel et al., 2009: 10 Capritermitini; classification; listed as synonym.
- ▲ 61 genera: 637 living species, 6 fossil species; 1 fossil genus, 1 fossil species.
- © ③ DISTRIBUTION: Australian Region; Ethiopian Region; Nearctic Region; Neotropical Region; Oriental Region; Palearctic Region; Papuan Region.

# Ahamitermes Mjöberg, 1920

#### Ahamitermes Mjöberg, 1920: 89.

Type species: Ahamitermes nidicola Mjöberg, 1920 by monotypy.

- Emerson, 1928b: 408 Ahamitermes; distribution.
- Hill, 1942: 310, 361–362 Ahamitermes [part]; subgenus of Hamitermes; key; synonymy; imago, soldier, worker characters.
- Snyder, 1949a: 130 Ahamitermes; catalog; reference list.
- Ratcliffe et al., 1952: 54 Hamitermes (Ahamitermes); key.
- Emerson, 1955: 510 Ahamitermes; number of species; distribution.
- Weidner, 1955f: 72 Ahamitermes; number of species; distribution.
- Gay, 1956: 207 Ahamitermes; synonymy; characters.
- Calaby and Gay, 1959: 212 Ahamitermes; zoogeography; number of species.
- Gay, 1966: 43 Ahamitermes; synonymy.
- Gay and Calaby, 1970: 429 Ahamitermes; biology; distribution. Australia.
- Morimoto, 1975b: 29 Ahamitermes; key.
- Watson and Abbey, 1993b: 4 Ahamitermes; remarks; Australian species.
- ▲ 3 species.
- ♠ DISTRIBUTION: Australian Region.

#### Ahamitermes hillii Nicholls, 1929

Ahamitermes hillii Nicholls, 1929: 20-23 (imago, soldier, worker), pl. 3.

Type data: Lectotype: ANIC No. 9115 imago ♀. Paralectotypes: ANIC imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, NCIP imago, soldier, FRI imago, soldier.

LECTOTYPE DESIGNATION: Hill, 1942: 363 "Hololectotype" [= lectotype] designated.

Type Locality: Australia: Western Australia, 13 km W Kalgoorlie.

- Hill, 1942: 362–363, figs. 274, 275 Hamitermes (Ahamitermes) hilli [sic]; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 130 Ahamitermes hillii; catalog; reference list. Australia.
- Ahmad, 1950: 83, fig. 12 Ahamitermes hilli [sic]; worker mandibles figured.

- Calaby, 1956b: 112–117, fig. 2 *Ahamitermes hillii*; nest described and figured; biology; parasitic nesting relationship with *Coptotermes acinaciformis*; localities. Australia.
- Calaby and Gay, 1959: 218 Ahamitermes hillii; nest; biology.
- Mathur and Thapa, 1962a: 36 Ahamitermes hillii; collection catalog. Australia.
- Gay, 1966: 40, 42, fig. 4 Ahamitermes hillii; listed; imago mandibles figured.
- Gay and Calaby, 1970: 429-430 Ahamitermes hillii; biology; distribution. Australia.
- Ruelle, 1975b: 6 Ahamitermes hillii; types listed.
- Perry et al., 1985: 68, 69, 74, fig. 5F Ahamitermes hillii; key; characters; soldier figured; biology.
- Watson and Abbey, 1993b: 47, fig. 67 Ahamitermes hillii; distribution map.
- Abensperg-Traun and Perry, 1998: 199 Ahamitermes hillii; inquiline; biology; ecology; distribution.
- Watson et al., 1998: 199 *Ahamitermes hillii*; catalog; synonymy; distribution; ecology. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Western Australia.

# Ahamitermes inclusus Gay, 1955

Ahamitermes inclusus Gay, 1955a: 180-181 (queen, soldier), figs. 1C, D.

Type data: Holotype: ANIC No. 9116 soldier. Paratypes: ANIC Nos. 10 7314, 10 7315 queen, soldiers, workers, AMNH soldiers, workers, NCIP soldier.

Type locality: Australia: Western Australia, 51 mi NNW Galena.

- Calaby, 1956b: 117–118 *Ahamitermes inclusus*; nest described; biology; parasitic nesting relationship with *Coptotermes brunneus*; localities. Australia.
- Calaby and Gay, 1959: 218 Ahamitermes inclusus; nest; biology.
- Gay, 1966: 40 Ahamitermes inclusus; listed.
- Gay and Calaby, 1970: 430 Ahamitermes inclusus; biology; distribution. Australia.
- Ruelle, 1975b: 6 Ahamitermes inclusus; types listed.
- Watson and Abbey, 1993b: 47, fig. 68 Ahamitermes inclusus; distribution map.
- Abensperg-Traun and Perry, 1998: 198 Ahamitermes inclusus; inquiline; biology; ecology; distribution.
- Watson et al., 1998: 199 *Ahamitermes inclusus*; catalog; synonymy; distribution; ecology. Australia.
- 🕙 DISTRIBUTION: Australian Region—Australia: Western Australia.

# Ahamitermes nidicola Mjöberg, 1920

Ahamitermes nidicola Mjöberg, 1920: 89-90 (soldier), figs. 41a, 43b.

Type data: Holotype: NHRM soldier [by monotypy].

Type Locality: Australia: Queensland: Cape York Pennisula, Alice River.

- Hill, 1942: 363–365, figs. 276–278 *Hamitermes (Ahamitermes) nidicola*; imago, soldier described and figured; synonymy; distribution; biology; new combination. Australia.
- Snyder, 1949a: 131 Ahamitermes nidicola; catalog; reference list. Australia.
- Ratcliffe et al., 1952: fig. 11] Hamitermes (Ahamitermes) ridicola [sic]; soldier figured.
- Calaby, 1956b: 111, 112, fig. 1 *Ahamitermes nidicola*; biology; parasitic nesting relationship with *Coptotermes acinaciformis*; distribution. Australia.
- Calaby and Gay, 1959: 218 Ahamitermes nidicola; biology; nest.
- Mathur and Thapa, 1962a: 37 Ahamitermes nidicola; collection catalog. Australia.
- Gay, 1966: 40, 43 Ahamitermes nidicola; imago, soldier described.
- Gay and Calaby, 1970: 430 Ahamitermes nidicola; biology; distribution. Australia.

- Watson and Gay, 1991: fig. 20.15G Ahamitermes nidicola; soldier figured.
- Watson and Abbey, 1993b: 48, fig. 69 Ahamitermes nidicola; distribution map.
- Abensperg-Traun and Perry, 1998: 199 *Ahamitermes nidicola*; inquiline; biology; ecology; distribution.
- Watson et al., 1998: 200 *Ahamitermes nidicola*; catalog; synonymy; distribution; ecology. Australia.

Ahamitermes edentatus Mjöberg, 1920: 129 [nomen nudum (in list of distribution, known castes and nest)].

C DISTRIBUTION: Australian Region—Australia: Northern Territory: Groote Eylandt, Queensland.

# Amitermes Silvestri, 1901

#### Amitermes Silvestri, 1901: 4.

Type species: Amitermes amifer Silvestri, 1901 by subsequent designation, see Banks, 1920: 80.

- Haviland, 1898: 378, 406-407 Termes "section with T. dentatus for type"; characters; key.
- Wasmann, 1902d: 122 Amitermes; characters; species included.
- Silvestri, 1903: 43 Amitermes; characters; distribution.
- Escherich, 1909: 175 Amitermes; characters.
- Banks, 1919: 479 Amitermes; key.
- Banks, 1920: 55 Amitermes [part]; key; characters.
- Emerson, 1925: 430 *Amitermes*; discussion; subgenera included; *Amitermes* (*Amitermes*); distribution.
- Sjöstedt, 1926d: 181 Amitermes; catalog; reference list; remarks.
- Emerson, 1928b: 408, 420, 496 Amitermes; discussion; Amitermes (Amitermes); key; distribution.
- Light, 1930a: 176–178 Amitermes; terminology; measurements.
- Light, 1933: 82, 139 Amitermes; key.
- Snyder, 1934a: 26, 28 Amitermes; key.
- Light, 1934e: 204, 205 Amitermes (Amitermes); key.
- Light, 1934j: 339 Amitermes; key.
- Hare, 1937: 474, pl. 1 Amitermes; phylogeny.
- Tembrock, 1944: figs. 25, 26 Amitermes; map; species distribution.
- Snyder, 1949a: 113 Amitermes; catalog; synonymy; Amphidotermes; listed as valid.
- Emerson, 1955: 510 Amitermes; number of species; distribution.
- Ahmad, 1955b: 218, 219 Amitermes; key.
- Weidner, 1955f: 72 Amitermes; number of species; distribution.
- Ahmad, 1958: 84, 90 Amitermes; key.
- Weidner, 1958: 9 Amitermes; key.
- Calaby and Gay, 1959: 212 Amitermes; zoogeography; number of species.
- Webb, 1961: 16 *Amitermes*; key.
- Coaton, 1962b: 45, fig. 12 Amitermes; distribution. Botswana; Lesotho; South Africa.
- Deoras, 1962: 102 Omotermes [sic]; listed.
- Roonwal and Bose, 1964: 8 Amitermes; key.
- Ahmad, 1965: 8 Amitermes; key.
- Bouillon and Mathot, 1965: 22, 84, 85, pl. 10: fig. 22b *Amitermes*; key; characters; imago/worker mandibles figured.
- Weesner, 1965: 38 Amitermes; key; characters; distribution.
- Krishna, 1966: 1093 Amitermes; key.
- Harris, 1968c: 7 Amitermes; key.
- Araujo, 1970d: 533, 546 *Amitermes*; distribution; ecology; number of species in Neotropical Region.

- Gay and Calaby, 1970: 420 Amitermes; biology; species included; distribution. Australia.
- Weesner, 1970: 512 Amitermes; biology.
- Bouillon and Mathot, 1971: table Amitermes; number of species in Ethiopian Region; soldier measurements.
- Chaudhry et al., 1972: 54 Amitermes; characters.
- Coaton and Sheasby, 1972: 24, 65–66, 101, figs. 12A–B, 37 *Amitermes*; soldier figured; key; ecology; biology; distribution. Namibia.
- Chhotani and Bose, 1973: 233 Amitermes; distribution. Indian region.
- Akhtar, 1974b: 93, 95, 96, 97, 100 Amitermes; distribution; ecology. Pakistan.
- Belyaeva and Zhuzhikov, 1974: 29 Amitermes; key.
- Sen-Sarma, 1974: 455 Amitermes; ecology and biogeography.
- Morimoto, 1975b: 29 Amitermes; key.
- Morimoto, 1976b: 27 Amitermes; remarks.
- Araujo, 1977c: 56 Amitermes; catalog.
- Roonwal and Verma, 1977b: 466 Amitermes; ecology; biogeography.
- Abe, 1979: 128, 132 *Amitermes*; ecology.
- Bandeira, 1979b: 490 Amitermes; ecology. Brazil: Amazonia State.
- Chhotani, 1980: 35-36 Amitermes; Indian species listed.
- Mill, 1982a: 255 Amitermes; habitat; nest location; food; locality. Brazil.
- Mill, 1982b: 56 Amitermes; habitat; nest location; food.
- Chhotani and Bose, 1983: 125, 127 *Amitermes*; distribution. Arabian Peninsula; Palaearctic Region.
- Mill, 1983a: 182, 185 Amitermes; key; number of species in New World; habitat; distribution.
- Prestwich, 1983b: 300 Amitermes; trail; pheromones.
- Collins, 1984: 78 Amitermes; key.
- Prestwich, 1984a: 207, fig. 2 Amitermes; defensive chemicals.
- Perry et al., 1985: 74 Amitermes; remarks.
- Prestwich, 1985b: 446, 449 Amitermes; trail pheromones; defensive chemicals; biochemistry.
- Badawi et al., 1986b: 17-19 Amitermes; ecological factors and distribution. Saudi Arabia.
- Chhotani, 1986: 24 Amitermes; Oriental Region distribution and zoogeography.
- Abe, 1987: 127 Amitermes; ecology; nest distribution.
- Al-Kady et al., 1987: 189–190, 191, 193 Amitermes; key; soldier, worker mandibles, wing venation described.
- Chhotani, 1987: 408, 416-417 Amitermes; Oriental Region distribution and zoogeography.
- Scheffrahn and Su, 1987: 183-190 Amitermes; world species list, synonymies and distribution.
- Thakur (R.K.), 1989: 9 Amitermes; key.
- Nickle and Collins, 1990: 94, 112 Amitermes; key; characters.
- Chhotani and Bose, 1991: 263 Amitermes; key.
- Nickle and Collins, 1992: 226, 227, 229 Amitermes; key; characters.
- Watson and Abbey, 1993b: 4 Amitermes; remarks; Australian species.
- Abensperg-Traun and Steven, 1997: 473 Amitermes; species density in Australia.
- Akhtar and Ahmad, 1997: 216, 217, 218 Amitermes; zoogeographical distribution. Pakistan.
- Akhtar and Iftikhar, 1997: 52–58, fig. 4 Amitermes; biogeography; species included, with their distribution.
- Chhotani, 1997: 105–107 Amitermes; synonymy; characters; distribution and composition; key to species.
- Poole and Gentili, 1997: 495 Amitermes; listed.
- Constantino, 1998b: 197 Amitermes; catalog.
- Fontes, 1998: 364 Amitermes; catalog.
- Fontes and Monteiro, 1998: 23 Amitermes; etymology and pronunciation.
- Sands, 1998: 46, 181–184, figs. 591–639 *Amitermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- Constantino, 1999a: 405, 419 Amitermes; key; biology; distribution.
- Constantino, 2002a: 26 Amitermes; key.

- Uys, 2002: 65, 69–70, fig. 164 *Amitermes*; key; species included; diagnosis; biology; distribution. South Africa.
- Rathore and Bhattacharyya, 2004: 8 Amitermes; key.
- Rathore and Tak, 2004a: 43 Amitermes; key.
- Sornnuwat et al., 2004: 357, 359 Amitermes; key; number of species. Thailand.
- Zeidler et al., 2004: 285–292 Amitermes; seasonal sampling. Namibia.

#### Dentitermes Wasmann, 1901: 744 [nomen nudum].

Hamitermes Silvestri, 1903: 117 [unnecessary emendation for Amitermes Silvestri, 1901].

- Holmgren, 1910b: 286 Hamitermes; listed.
- Holmgren, 1911a: 11 Hamitermes; listed.
- Holmgren, 1912a: 76, 77, 87–94 Hamitermes; characters; key; subgenera included; systematic position; Hamitermes (Hamitermes); described as new subgenus; characters; key; species included; systematic position.
- Warren, 1919: 2 Hamitermes; distribution.
- Fuller, 1921: 19, 21, 22, 27 Hamitermes; key.
- Fuller, 1922: 122-123 Hamitermes; characters.
- Bathellier, 1927: 162–164 *Hamitermes*; characters; subgenera included.
- Harris, 1941: 202 Hamitermes; key.
- Hill, 1942: 14, 307–310 Hamitermes [part]; Hamitermes (Hamitermes); key; synonymy; imago, soldier, worker diagnosed.
- Ratcliffe et al., 1952: 54, 105 Hamitermes; key; discussion; biology; Hamitermes (Hamitermes); biology.
- Lal and Menon, 1953: 37, 39, 40 *Hamitermes*; catalog; *Hamitermes* (*Hamitermes*); catalog; reference list; key.

*Monodontermes* Silvestri, 1909b: 299 [junior subjective synonym of *Amitermes* Silvestri, 1901].

Type species: Monodontermes hartmeyeri Silvestri, 1909 by original designation.

- Holmgren, 1912a: 88, 89, 90 Hamitermes (Monodontermes); characters; key; species included.
- Emerson, 1928b: 407 Amitermes (Monodontermes); distribution.
- Snyder, 1949a: 114 Monodontermes; synonymized with Amitermes.
- Morimoto, 1975b: 29 Monodontermes; key.

#### Amphidotermes Sjöstedt, 1924b: 256.

Type species: Termes basidens Sjöstedt, 1899 by original designation.

- Sjöstedt, 1926d: 165 Amphidotermes; reference list.
- Emerson, 1928b: 408 Amitermes (Amphidotermes); distribution.
- Weidner, 1955f: 72 Amphidotermes; number of species; distribution [listed as valid].
- Webb, 1961: 16 Amphidotermes; key.
- Bouillon and Mathot, 1965: 22, 84, 85, pl. 10: fig. 23b *Amphidotermes*; key; characters; imago/worker mandibles figured.
- Bouillon and Mathot, 1971: 9 Amphidotermes; synonymized with Amitermes.
- Morimoto, 1975b: 29 Amphidotermes; key.

#### ▲ 111 living species, 1 fossil species.

Tistribution: Ethiopian Region; Australian Region; Nearctic Region; Neotropical Region Oriental Region; Palaearctic Region; Papuan Region.

### Amitermes abruptus Gay, 1968

Amitermes abruptus Gay, 1968a: 406-407, 454 (soldier), figs. 4a, 4b.

Type data: Holotype: ANIC No. 9085 soldier. Paratypes: ANIC No. 10 6875 soldiers, workers, AMNH soldiers, workers, ANIC soldiers, workers [from several non-type localities]. Type locality: Australia: Western Australia: Abydos homestead.

- Ferrar and Watson, 1970: 101 Amitermes abruptus; checklist; ecology; distribution. Australia.
- Watson et al., 1973: 122 Amitermes abruptus; biology.
- Watson et al., 1978b: 102, 104, 106 Amitermes abruptus; distribution; ecology.
- Watson and Abbey, 1993b: 49, fig. 70 Amitermes abruptus; distribution map.
- Watson et al., 1998: 200 Amitermes abruptus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

### Amitermes accinctus Gay, 1968

Amitermes accinctus Gay, 1968a: 407-408, 454 (soldier), fig. 4C.

Type data: Holotype: ANIC No. 9086 soldier. Paratypes: ANIC No. 10 9110 soldiers, workers, AMNH soldier, workers, ANIC soldiers, workers [non-type locality].

Type Locality: Australia: Western Australia: Eurardy Station, 90 mi N Geraldton.

- Watson and Abbey, 1993b: 49, fig. 71 Amitermes accinctus; distribution map.
- Watson et al., 1998: 200 Amitermes accinctus; catalog; synonymy; distribution; ecology.
   Australia.
- ♠ DISTRIBUTION: Australian Region—Australia: Western Australia.

### Amitermes acinacifer Sands, 1959

Amitermes acinacifer Sands, 1959: 133-134 (soldier, worker), figs. 4A, 5A, 6A.

Type data: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers, AMNH soldier, workers, NCIP soldier [non-type locality].

TYPE LOCALITY: Kenya: Masabit district, 43 km from Masabit township on the Isiolo Road.

- Bouillon and Mathot, 1965: 40 Amitermes acinacifer; catalog.
- Bouillon and Mathot, 1971: table: no. 69 Amitermes acinacifer; measurements.
- Ruelle, 1975b: 6 Amitermes acinacifer; types listed.
- Wanyonyi et al., 1984: 4 Amitermes acinacifer; checklist; distribution. Kenya.
- Cowie et al., 1990: 23, 24, table 1 Amitermes acinacifer; checklist; distribution. Ethiopia.
- Sands, 1992: 21, 24, 26–28, figs. 6–27 *Amitermes acinacifer*; soldier, worker described and figured; key; phylogeny. Ethiopia; Kenya.
- Sands, 1998: 183 Amitermes acinacifer; listed; distribution. Ethiopia; Kenya.
- TISTRIBUTION: Ethiopian Region—Ethiopia; Kenya.

# Amitermes aduncus Gay, 1968

Amitermes aduncus Gay, 1968a: 408, 454 (soldier), fig. 4D.

Type data: Holotype: ANIC No. 9087 soldier. Paratypes: ANIC No. 10 10428 soldiers, workers, AMNH soldier, worker.

Type Locality: Australia: Western Australia: Eurardy Station, 90 mi N Geraldton.

- Watson and Abbey, 1993b: 50, fig. 72 Amitermes aduncus; distribution map.
- Watson et al., 1998: 200–201 *Amitermes aduncus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes agrilus Gay, 1968

Amitermes agrilus Gay, 1968a: 408-410, 453, 456 (imago, soldier), figs. 1A, 3A, 4E.

Type data: Holotype: ANIC No. 9088 imago ♀. Paratypes: ANIC No. 10 11381 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers, ANIC soldiers, workers [from several non-type localities].

Type Locality: Australia: New South Wales: Griffith.

- Ferrar and Watson, 1970: 101 Amitermes agrilus; checklist; ecology; distribution. Australia.
- Watson et al., 1973: 122 Amitermes agrilus; biology.
- Watson et al., 1978b: 102, 104, 106 Amitermes agrilus; distribution; ecology.
- Watson and Abbey, 1993b: 50, fig. 73 Amitermes agrilus; distribution map.
- Watson et al., 1998: 201 Amitermes agrilus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia.

#### Amitermes amicki Scheffrahn, 1999

Amitermes amicki Scheffrahn et al., 1999a: 8.

Type data: Holotype: AMNH soldier [presently in author's collection]. Paratypes: USNM soldier [presently in author's collection], FSCA soldier [presently in author's collection], FTLD soldier [presently in author's collection].

Type locality: Aruba: Palm Beach.

§ DISTRIBUTION: Neotropical Region—Aruba.

### Amitermes amifer Silvestri, 1901

Amitermes amifer Silvestri, 1901: 4 (imago).

Type data: Syntypes IEA imagoes (Argentina), AMNH imago, soldiers, workers (Brazil: Mato Grosso: Coxipó [Cuyaba]), IEA imagoes, soldiers, workers (Brazil: Mato Grosso, Coxipó [Cuyaba]), IEA imagoes (Paraguay), FRI workers (Brazil: Mato Grosso, Coxipó [Cuyaba]).

Type localities: Argentina; Brazil: Mato Grosso: Coxipó (Cuyaba); Paraguay.

- Silvestri, 1902a: 4–5 Amitermes amifer; biology.
- Silvestri, 1903: 43–45, fig. 9, pl. 2: figs. 59–63 *Amitermes amifer*; imago, soldier, worker described; imago, soldier, nest figured; biology; cited as *Hamitermes hamifer* in figure legend and on p. 115. Argentina; Brazil.

- Desneux, 1904b: 40 *Termes (Eutermes) amifer*; reference list; new combination. Argentina; Brazil.
- Light, 1932e: 359, 362–364, figs. c, d, g, h Amitermes (Amitermes) amifer; imago, soldier described; soldier figured; distribution. Brazil.
- Snyder, 1949a: 114 Amitermes amifer; catalog; reference list. Argentina; Brazil; Paraguay.
- Ahmad, 1950: 83, fig. 13 Amitermes amifer; worker mandibles figured.
- Noirot, 1956: 150 Amitermes amifer; supplementary reproductives.
- Sands, 1959: 129 Amitermes amifer; remarks.
- Mathur and Thapa, 1962a: 37 Amitermes amifer; collection catalog. Brazil.
- Araujo, 1970d: 546 Amitermes amifer; biology; distribution.
- Morimoto, 1975b: 29, fig. 86 Amitermes amifer; soldier figured.
- Araujo, 1977c: 57 Amitermes amifer; catalog. Argentina; Brazil; Paraguay.
- Mathot, 1978: 51 Amitermes amifer; collection catalog; types listed.
- Fowler and Haines, 1983: 187–201 *Armitermes* [sic] *amifer*; ants; vegetational succession; grassland. Paraguay.
- Raineri et al., 1993: 526 Amitermes amifer; collection catalog; types listed.
- Torales et al., 1997: 48 Amitermes amifer; distribution. Argentina.
- Constantino, 1998b: 197 Amitermes amifer; catalog. Argentina; Brazil; Paraguay.
- Fontes, 1998: 364 Amitermes amifer; catalog; distribution. Argentina.
- Torales, 1998: 413-435 Amitermes amifer; damage; distribution. Argentina.
- Constantino, 1999a: figs. 119, 120 Amitermes amifer; soldier figured.
- Bandeira and Vasconcellos, 1999: 40, table 1 Amitermes amifer; checklist; ecology; distribution.
   Brazil.
- Constantino, 2002c: 358, table 3 *Amitermes amifer*; checklist; damage; distribution. Argentina; Brazil; Paraguay.
- Constantino, 2002a: figs. 149–150 Amitermes amifer; soldier figured.
- Milano and Fontes, 2002: 65, fig. 2j *Amitermes amifer*; soldier figured; damage in urban areas; distribution. Argentina; Brazil.
- Torales, 2002: 191–206 Amitermes amifer; damage; distribution. Argentina.
- Laffont et al., 2004: 665–670 *Amitermes amifer*; checklist; feeding habits; collection sites; distribution. Argentina.
- Mélo and Bandeira, 2004: 711, table 1 Amitermes amifer; ecology; distribution. Brazil: Paraíba.
- Cuezzo, 2005: 106-108 Amitermes amifer; checklist; distribution. Argentina.
- Torales et al., 2005a: 872 Amitermes amifer; distribution. Argentina: Catamarga, Chaco, Corrientes, Formosa, La Rioja, Mendoza, Salta, San Juan, San Luis, Santiago del Estero, Tucumán.
- Torales et al., 2005b: 259-280 Amitermes amifer; checklist; diversity; distribution. Argentina.
- Vasconcellos et al., 2005: 127–131 Amitermes amifer; checklist; diversity; feeding groups; distribution. Brazil.
- Torales et al., 2008: 41 *Amitermes amifer*; distribution. Argentina: Corrientes, Chaco, Formosa, Mendoza, Santiago del Estero.

Hamitermes hamifer Silvestri, 1903: 115, 217 (imago), pl. 2: figs. 59, 60 [unnecessary nom. nov. for Amitermes amifer Silvestri, 1901].

- Holmgren, 1906: 669 Hamitermes hamifer; distribution. Argentina; Brazil; Paraguay.
- Holmgren, 1909b: 86–87, figs. 19, 20, 60 *Hamitermes hamifer*; anatomy; worker, soldier head, gut figured.
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) hamifer; listed. Argentina; Brazil.
- § DISTRIBUTION: Neotropical Region—Argentina: Catamarga, Chaco, Corrientes, Formosa, La Rioja, Mendoza, Salta, San Juan, San Luis, Santiago del Estero, Tucumán; Brazil; Paraguay.

### Amitermes aporema Constantino, 1993

Amitermes aporema Constantino, 1993: 338-340 (soldier), figs. 1-2.

Type data: Holotype: MPEG 3229 soldier. Paratypes: MPEG soldiers, workers, MZUSP soldiers, workers.

Type locality: Brazil: Amapá: Aporema.

- Constantino, 1998b: 197 Amitermes aporema; catalog. Brazil.
- Fontes, 1998: 364 Amitermes aporema; catalog; distribution. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil: Amapá.

# Amitermes arboreus Roisin, 1990

Amitermes arboreus Roisin, 1990a: 190-193 (imago, soldier, worker), figs. 3, 4.

Type data: Holotype: RIB soldier. Paratypes: ANIC No. 10 21398 soldiers, workers, RIB soldiers, workers.

Type Locality: Papua New Guinea: Western Province: Wipim [08°47′S, 142°53′E].

- Braekman et al., 1993: 661-666 Amitermes arboreus; biochemistry of defensive secretions.
- Watson and Abbey, 1993b: 51, fig. 74 Amitermes arboreus; distribution map. Australia.
- Sugimoto et al., 1997: 211, 213, 216, 220 *Amitermes arboreus*; methane and hydrogen emissions. Australia.
- Tayasu et al., 1998: 536–542 *Amitermes arboreus*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 201 *Amitermes arboreus*; catalog; synonymy; distribution; ecology. Australia; Papua New Guinea.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland. ◆ Papuan Region—Papua New Guinea.

#### Amitermes arcuatus Gay, 1968

Amitermes arcuatus Gay, 1968a: 410-411, 455 (soldier), figs. 4F, 4G.

Type data: Holotype: ANIC No. 9089 soldier. Paratypes: ANIC No. 10 9482 soldier, workers, nymphs, AMNH soldiers, workers, ANIC soldiers, workers (from several non-type localities). Type locality: Australia: Queensland: 75 mi SSW Cunnamulla.

- Watson et al., 1978b: 102, 104 Amitermes arcuatus; distribution; ecology.
- Watson and Abbey, 1993b: 51, fig. 75 Amitermes arcuatus; distribution map.
- Watson et al., 1998: 201 Amitermes arcuatus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Western Australia.

# Amitermes azmayeshfardi Ghayourfar, 2000 [nomen nudum].

Amitermes azmayeshfardi Ghayourfar, 2000a: 377 [nomen nudum; name proposed as sp. nov. with a brief description of characters, in an abstract issued in a Congress, not recognized as a valid publication (ICZN, 1999, art. 9.9)].

Tistribution: Palaearctic Region—Iran.

# Amitermes baluchistanicus Akhtar, 1974

Amitermes baluchistanicus Akhtar, 1974a: 58-59 (soldier, worker), fig. 19.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, ZUPL soldiers [not type locality], FRIP soldier, worker, FESG soldier, worker, AMNH soldier, worker, BMNH soldier, worker.

Type locality: Pakistan: Baluchistan: Mastung.

- Chaudhry et al., 1972: 54 Amitermes baluchistanicus; nomen nudum; biology; distribution.
   Pakistan.
- Akhtar, 1974b: 103 Amitermes baluchistanicus; distribution. Pakistan.
- Kayani et al., 1979: 134, 136 Amitermes baluchistanicus; ecology; altitudinal distribution.
   Pakistan.
- Ahmad, 1986: 17 Amitermes baluchistanicus; distribution, Pakistan: Baluchistan,
- Chhotani, 1997: 107–108, fig. 49 *Amitermes baluchistanicus*; soldier described and figured; synonymy; key. Pakistan.
- Ravan and Akhtar, 1998: 9-26 Amitermes baluchistanicus; feeding; ecology; distribution. Iran.
- Ravan and Akhtar, 1999a: 66 Amitermes baluchistanicus; distribution. Iran.
- Ghayourfar and Pakdel, 2000: 379 Amitermes baluchistanicus; characters; locality. Iran.
- Ahmad and Akhtar, 2002: 55 Amitermes baluchistanicus; catalog. Pakistan.
- Ghayourfar, 2002b: 152 Amitermes baluchistanicus; distribution. Iran.
- Tistribution: Palaearctic Region—Iran; Pakistan: Baluchistan.

# Amitermes basidens (Sjöstedt, 1899)

Termes basidens Sjöstedt, 1899a: 36 (major, minor soldiers, worker).

Type data: Syntypes ZMB soldiers, workers, NHRM soldiers, workers, AMNH soldier, workers, FRI workers.

Type locality: Togo: Bismarkburg.

- Sjöstedt, 1900a: 71, 78, 133–134, pl. 2: fig. K1 *Termes basidens*; soldier, worker described; soldier figured; key; distribution. Togo.
- Sjöstedt, 1904: 35, 37, 44, 114 Termes basidens; key; distribution.
- Desneux, 1904b: 36 Termes (Termes) basidens; listed.
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) basidens; listed; new combination. Togo.
- Hegh, 1922: 75, 469, 695 Hamitermes basidens; biology; reference list; distribution.
- Sjöstedt, 1924b: 256 Amphidotermes basidens; listed; new combination.
- Sjöstedt, 1926d: 165, fig. 36 *Amphidotermes basidens*; soldier figured; reference list; locality. Togo.
- Snyder, 1949a: 113 Amphidotermes basidens; catalog; reference list. Togo.
- Ahmad, 1950: 83, fig. 12 Amphidotermes basidens; worker mandibles figured.
- Webb, 1961: fig. 25 Amphidotermes basidens; soldier figured.
- Mathur and Thapa, 1962a: 39 Amphidotermes basidens; collection catalog. Togo.
- Bouillon and Mathot, 1965: 22, 84, 85, pl. 10: fig. 23a Amphidotermes basidens; soldier figured.
- Bouillon and Mathot, 1971: 9 Amitermes basidens; listed; new combination.
- Medler, 1980: 55 Amphidotermes basidens; checklist. Nigeria.
- Togo.

#### Amitermes beaumonti Banks, 1918

#### Amitermes beaumonti Banks, 1918: 664 (soldier).

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH soldiers, nymphs, MCZ soldiers, workers, nymphs.

LECTOTYPE DESIGNATION: Constantino, 1998b: 198 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Panama.

- Snyder, 1924i: 34–35 Amitermes beaumonti; imago described. Panama.
- Dietz and Snyder, 1924: 281, 291 Amitermes beaumonti; locality; swarming; biology. Panama.
- Snyder, 1925j: 193 Amitermes beaumonti; listed. Panama.
- Snyder, 1926a: 28 Amitermes beaumonti; locality. Guatemala.
- Light, 1930b: 217, pl. 17: fig. 6 Amitermes beaumonti; key; soldier mandibles figured. Panama.
- Light, 1932e: 359, 369, 370–371 Amitermes (Amitermes) beaumonti; soldier described; distribution. Central America; Panama.
- Light, 1934j: 338 Amitermes beaumonti; distribution. Mexico.
- Wheeler, 1936: 165 Amitermes beaumonti; ecology.
- Williams, 1941: 76 Amitermes beaumonti; ecology; distribution. Panama.
- Snyder, 1949a: 114 Amitermes beaumonti; catalog; reference list. Guatemala; Mexico; Panama.
- Emerson, 1952b: 510 Amitermes beaumonti; abundance. Panama.
- Becker, 1953: 347 Amitermes beaumonti; distribution. Guatemala.
- Gisler, 1967: 85, 90, 92, 93 Amitermes beaumonti; protozoa. Panama.
- Araujo, 1977c: 57 Amitermes beaumonti; catalog. Cuba; Guatemala; Mexico; Panama.
- Thorne, 1982a: 133–150 *Amitermes beaumonti*; measurements; soldier percentage; aggressive behavior.
- Thorne, 1985a: 111–113 Amitermes beaumonti; ecology. Panama.
- Nickle and Collins, 1992: 209, 229, fig. 13.64 Amitermes beaumonti; key; soldier figured; distribution. Panama.
- Braekman et al., 1993: 661-666 Amitermes beaumonti; biochemistry of defensive secretions.
- Scheffrahn et al., 1994: 217, 234 Amitermes beaumonti; distribution. Cuba.
- Constantino, 1998b: 197 Amitermes beaumonti; catalog. Cuba; southern Mexico to Panama.
- Fontes, 1998: 364 Amitermes beaumonti; catalog.
- Scheffrahn et al., 1999a: 7–14, figs. 3–4 Amitermes beaumonti; soldier described and figured; distribution. Belize; Cuba; Mexico; Panama.
- Gould et al., 2001: 121–130 Amitermes beaumonti; biology; ecology. Costa Rica.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Amitermes beaumonti; checklist; diversity; distribution. Mexico: Campeche, Chiapas, Tabasco, Veracruz, Yucatan.
- Soares and Costa-Leonardo, 2002: 1-6 *Armitermes* [error for *Amitermes*] *beaumonti*; leg exocrine gland; morphology.
- Cruz et al., 2004: 6 Amitermes beamonti [sic]; checklist; distribution. Cuba.
- Scheffrahn et al., 2005c: 551, table 1 Amitermes beaumonti; checklist; distribution. Nicaragua.
- Roisin et al., 2006: 301–311 Amitermes beaumonti; ecology; canopy forest; species richness; vertical distribution. Panama.

Termes minimus Dudley, 1890b: 158, 170, 171, 175, 176, 177 [nomen nudum].

- Dudley, 1890a: 107 Termes minimus; remarks.
- TISTRIBUTION: Neotropical Region—Belize; Costa Rica; Cuba; Guatemala; Mexico; Nicaragua; Panama.

#### Amitermes belli (Desneux, 1906)

Termes belli Desneux, 1906a: 352-354 (imago, soldier, worker) [described as "Belli"].

Type data: Syntypes AMNH soldier, workers, RIB soldiers, workers, FRI workers.

TYPE LOCALITY: Pakistan: Sind: Karachi.

- Holmgren, 1912a: 93, fig. 65 Hamitermes (Hamitermes) Belli; listed; soldier mandibles figured; new combination. Asia.
- Holmgren, 1913c: 227, pl. 8: fig. 20 *Hamitermes* (*Hamitermes*) *belli*; imago, soldier, worker described; soldier figured; key; distribution. Pakistan.
- Bugnion, 1913d: 170 Hamitermes Belli; antennal articles. India.
- Margabandhu, 1934: 704 Termes belli; annotated reference list; biology.
- Snyder, 1949a: 114 Amitermes belli; catalog; new combination. India.
- Lal and Menon, 1953: 40 Hamitermes (Hamitermes) belli; catalog; reference list. Pakistan.
- Roonwal and Pant, 1953: 49 Amitermes belli; collection catalog. Pakistan.
- Ahmad, 1955b: 202, 254–257, figs. 40, 41 *Amitermes belli*; imago, soldier described and figured; key; reference list; distribution. Pakistan.
- Ahmad, 1958: 177, 178 Amitermes belli; key.
- Weidner, 1960a: 58, fig. 8B Amitermes belli; soldier mandibles figured; remarks.
- Ahmad, 1962: 68 Amitermes belli; distribution. Pakistan.
- Becker, 1962c: 147, 150, 161, 162, 163, fig. 6 Amitermes belli; ecology; distribution.
- Mathur and Thapa, 1962a: 37 Amitermes belli; collection catalog. India; Pakistan.
- Vishnoi, 1962: 107-108 Amitermes belli; distribution. India.
- Roonwal and Bose, 1964: 5, 19–21, figs. 8, 9 *Amitermes belli*; imago, soldier described and figured; biology; distribution. India; Pakistan.
- Ahmad, 1965: 73 Amitermes belli; listed.
- Roonwal and Bose, 1969: 440, 446, pl. 22: fig. 3 Amitermes belli; key; synonymy; soldier figured; distribution.
- Roonwal, 1970c: 345 Amitermes belli; biology; distribution.
- Chaudhry et al., 1972: 55, fig. 65 *Amitermes belli*; synonymy; soldier measurements and figure; ecology; biology; damage; distribution. Pakistan.
- Akhtar, 1974a: 59 Amitermes belli; listed.
- Akhtar, 1974b: 103 Amitermes belli; distribution. India; Pakistan.
- Sen-Sarma, 1974: 455 Amitermes belli; ecology and biogeography. India.
- Roonwal, 1975g: 397, 400, 404, fig. 16.7 Amitermes belli; key; imago, soldier described; soldier figured; ecology; distribution.
- Roonwal, 1976: 464, 468–469, 484–485, fig. 9f Amitermes belli; soldier head figured; ecology; biology; distribution. India.
- Roonwal and Verma, 1977b: 437, 461 *Amitermes belli*; reference list; distribution. India; Pakistan.
- Mathot, 1978: 52 Amitermes belli; collection catalog; types listed.
- Roonwal and Bose, 1978: 324, 328 Amitermes belli; ecology; biology; distribution.
- Chhotani, 1980: 7, 35–36, fig. 10 *Amitermes belli*; soldier figured; distribution; key. India; Pakistan.
- Thakur, 1980b: 126, fig. 2 Amitermes belli; soldier figured; ecology; distribution. India; Pakistan.
- Roonwal, 1985d: fig. 8 Amitermes belli; wing microsculpturing.
- Roonwal, 1985b: pl. 4: fig. 1 Amitermes belli; wing surfaces figured.
- Roonwal, 1985a: 311–312, fig. 1, pls. 1–2 Amitermes belli; wing microsculpturing.
- Roonwal and Rathore, 1985b: 517–521, figs. 1–3 *Amitermes belli*; wing measurements; wing microsculpturing.
- Ahmad, 1986: 17 Amitermes belli; distribution. Pakistan: Baluchistan, North West Frontier Province, Punjab, Sind.
- Roonwal and Rathore, 1987: 715, 717, fig. 5 Amitermes belli; wing microsculpturing.

- Akhtar and Parveen, 1989: 2, 25, 27–28, fig. 13 *Amitermes belli*; key; worker described and figured. Pakistan.
- Roonwal and Chhotani, 1989: fig. 10e Amitermes belli; soldier head figured.
- Thakur (R.K.), 1989: 21, fig. 13 Amitermes belli; synonymy; soldier measurements and figure; distribution. India: Pakistan.
- Thakur (R.K.), 1991: 8, 14, 24, 35 *Amitermes belli*; ecology; biology; damage; distribution. India: Pakistan.
- Thakur, 1993: 129 Amitermes belli; synonymy; soldier measurements; distribution.
- Thakur, 1994: 459 Amitermes belli; ecology; distribution.
- Verma and Rathore, 1995: 23, 26, 29 *Amitermes belli*; synonymy; key; distribution. India; Pakistan.
- Verma and Purohit, 1996: 237, 239 *Amitermes belli*; distribution. India: Gujarat, Rajasthan; Pakistan.
- Rathore, 1996: 173 Amitermes belli; ecology; distribution. India.
- Akhtar and Iftikhar, 1997: 49–52, figs. 1, 2a *Amitermes belli*; digestive tube described and figured; enteric valve figured.
- Chhotani, 1997: 108–113, figs. 50–52 *Amitermes belli*; imago, soldier, worker described and figured; synonymy; key. India; Pakistan.
- Maiti and Saha, 1997: 209 Amitermes belli; synonymy; biology; distribution. India; Pakistan.
- Ravan and Akhtar, 1998: 9-26 Amitermes belli; feeding; ecology; distribution. Iran.
- Ravan and Akhtar, 1999a: 66 Amitermes belli; distribution. Iran.
- Ghayourfar, 2001: 97-98 Amitermes belli; soldier measurements; comparisons; locality. Iran.
- Ahmad and Akhtar, 2002: 55 Amitermes belli; catalog. India; Pakistan.
- Ghayourfar, 2002a: 21 Amitermes belli; distribution. Iran.
- Yu et al., 2002: 4, 13 Amitermes belli; key; soldier described. China: Shenzen: intercepted.
- Rathore and Bhattacharyya, 2004: 24, 64, pl. 3: fig. 20 Amitermes belli; checklist; soldier figured; ecology; distribution. India; Pakistan.
- Rathore and Tak, 2004a: 56 *Amitermes belli*; synonymy; soldier, worker described; distribution. India; Pakistan.
- Rathore and Tak, 2004b: 73 *Amitermes belli*; synonymy; distribution. India: Rajasthan, Gujarat; Pakistan: North West Frontier Province, Punjab, Sind.
- Ghayourfar, 2005d: 64 Amitermes belli; soldier characters and measurements; comparisons.
- ♠ DISTRIBUTION: Oriental Region—India: Delhi, Gujarat, Madhya Pradesh, Rajasthan; Pakistan. ◆ Palaearctic Region—Iran; Pakistan: Baluchistan.

# Amitermes boreus Gay, 1968

Amitermes boreus Gay, 1968a: 412-413, 456 (soldier), figs. 4H, 4I.

Type data: Holotype: ANIC No. 9090 soldier. Paratypes: ANIC No. 10 6793 nymphs, soldiers, worker, AMNH soldiers, workers, ANIC soldiers, workers [from several non-type localities]. Type locality: Australia: Western Australia: Hooley homestead.

- Ferrar and Watson, 1970: 101 Amitermes boreus; checklist; ecology; distribution. Australia.
- Watson and Abbey, 1993b: 52, fig. 76 Amitermes boreus; distribution map.
- Watson et al., 1998: 201 *Amitermes boreus*; catalog; synonymy; distribution; ecology. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Western Australia.

#### Amitermes braunsi (Fuller, 1922)

Hamitermes braunsi Fuller, 1922: 128 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imagoes, workers, NCIP imagoes. Lectotype designation: Ruelle, 1975b: 6 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: South Africa: Cape Province: Willowmore.

- Sjöstedt, 1926d: 190 Amitermes Braunsi; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 115 Amitermes braunsi; catalog; reference list. South Africa.
- Sands, 1959: 134–136, figs. 2A, 3A, 4B *Amitermes braunsi*; imago, worker described and figured; key; distribution. South Africa.
- Bouillon and Mathot, 1965: 40 Amitermes braunsi; catalog.
- Bouillon and Mathot, 1971: table: no. 70 Amitermes braunsi; measurements.
- Roonwal, 1975f: 406, 409 Amitermes braunsi; sexual dimorphism.
- Ruelle, 1975b: 6 Amitermes braunsi; types listed.
- Sands, 1992: 20, 26, 28–29, figs. 28–32 *Amitermes braunsi*; imago, worker described and figured; key; phylogeny. South Africa.
- Sands, 1998: 183 Amitermes braunsi; listed; distribution. South Africa.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Amitermes calabyi Gay, 1968

Amitermes calabyi Gay, 1968a: 413-414, 453, 456 (imago, soldier), figs. 1B, 3B, 5A.

Type data: Holotype: ANIC No. 9091 imago & Paratypes: ANIC No. 10 7654 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers, ANIC soldiers, workers [from several non-type localities].

Type locality: Australia: Western Australia: 4 mi NE Kukerin.

- Abensperg-Traun and de Boer, 1990: 226 Amitermes calabyi; checklist; ecology; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Amitermes calabyi; foraging; defense.
- Watson and Abbey, 1993b: 52, fig. 77 Amitermes calabyi; distribution map.
- Watson et al., 1998: 201–202 Amitermes calabyi; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

#### Amitermes capito (Hill, 1935)

Hamitermes capito Hill, 1935: 29 (soldier, worker), fig. 37.

Type data: Lectotype: ANIC No. 9074 soldier. Paralectotypes: ANIC soldiers, workers, AMNH soldiers, workers.

LECTOTYPE DESIGNATION: Hill, 1942: 312 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Western Australia: Mullewa.

- Hill, 1942: 311–312, figs. 228, 229 *Hamitermes* (*Hamitermes*) capito; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 115 Amitermes capito; catalog; new ombination. Australia.

- Gay, 1968a: 407, 414–415, 454, 457 Amitermes capito; synonymy; key; soldier described; biology; distribution. Australia.
- Ferrar and Watson, 1970: 101 Amitermes capito; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 420 Amitermes capito; biology; distribution. Australia.
- Watson et al., 1973: 122 Amitermes capito; biology.
- Watson et al., 1978b: 102, 105 Amitermes capito; distribution; ecology.
- Abensperg-Traun and de Boer, 1990: 226 *Amitermes capito*; checklist; ecology; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Amitermes capito; foraging; defense.
- Watson and Abbey, 1993b: 53, fig. 78 Amitermes capito; distribution map.
- Watson et al., 1998: 202 Amitermes capito; catalog; synonymy; distribution; ecology. Australia.
- 🔇 Distribution: Australian Region—Australia: Northern Territory, Western Australia.

# Amitermes coachellae Light, 1930

Amitermes coachellae Light, 1930a: 200-201 (soldier, worker), pls. 12-15.

TYPE DATA: Syntypes AMNH imagoes, soldiers (USA: Nevada: Upper Coachella Valley, Boulder), USNM soldiers (USA: Nevada: Upper Coachella Valley) [not in USNM as cited by Constantino, 1998b], AMNH soldiers, workers (USA: California: Palm Springs Station), AMNH soldiers, workers (USA: California: Mission Canyon), FRI imagoes, soldiers, workers (USA: Nevada: Upper Coachella Valley).

Type Localities: USA: California: Palm Springs Station, Mission Canyon, Nevada: Upper Coachella Valley, Boulder.

- Light, 1930b: 216, 218 Amitermes coachellae; key; distribution. USA: California.
- Light, 1931b: 5, 8 Amitermes coachellae; locality; biology. USA: Nevada.
- Light, 1932e: 356, 359, 369, 371–375, 377, 389, figs. J–K Amitermes (Amitermes) coachellae;
   imago (previously unknown), soldier described; imago figured; biology; key; distribution. USA:
   California, Nevada, Arizona.
- Light, 1934e: 203, 204, 205, fig. 66h Amitermes (Amitermes) coachellae; key; distribution. USA: Arizona, California, Nevada.
- Light, 1934d: 131 *Amitermes (Amitermes) coachellae*; distribution. USA: Arizona, California, Nevada.
- Snyder, 1949a: 115 Amitermes coachellae; catalog; reference list. USA: California, Nevada.
- Mathur and Thapa, 1962a: 37 Amitermes coachellae; collection catalog. USA.
- Weesner, 1965: 9, 58, 61, 62, figs. 2, 19 *Amitermes coachellae*; key; characters; soldier mandibles figured; biology; distribution.
- Gisler, 1967: 85, 93 Amitermes coachellae; protozoa. USA: California.
- Nutting, 1969c: 321 Amitermes coachellae; flight; distribution. USA: Arizona.
- Weesner, 1970: 512 Amitermes coachellae; biology.
- Araujo, 1977c: 57 Amitermes coachellae; catalog. USA: Arizona, California, Nevada.
- Nutting, 1979b: 142 Amitermes coachellae; swarming period.
- Scheffrahn et al., 1988b: 213–216 Amitermes coachellae; defensive secretions; biochemistry; biogeography. USA: California.
- Nutting, 1990a: 1028, 1029, fig. 33.9 Amitermes coachellae; key; imago, soldier figured.
- Braekman et al., 1993: 662 Amitermes coachellae; biochemistry of defensive secretions.
- Poole and Gentili, 1997: 495 Amitermes coachellae; distribution. North America.
- Constantino, 1998b: 197–198 *Amitermes coachellae*; catalog. USA: Arizona, California, Nevada.
- TISTRIBUTION: Nearctic Region—USA: Arizona, California, Nevada.

#### Amitermes colonus (Hill, 1942)

Hamitermes (Hamitermes) colonus Hill, 1942: 356–357 (soldier), fig. 269.

Type data: Holotype: ANIC No. 9081 soldier. Paratypes: ANIC No. 10 3850 soldiers, nymphs, workers, AMNH soldiers, worker.

Type Locality: Australia: New South Wales: Griffith.

- Snyder, 1949a: 115 Amitermes colonus; catalog; new combination. Australia.
- Calaby, 1956a: 89 Amitermes colonus; biology; localities. Australia.
- Gay, 1968a: 415–416, 453, 455, figs. 1c, 3c *Amitermes colonus*; synonymy; key; imago (previously unknown), soldier described and figured; biology; distribution. Australia.
- Ferrar and Watson, 1970: 101 Amitermes colonus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 420 Amitermes colonus; biology; distribution. Australia.
- Watson and Abbey, 1993b: 53, fig. 79 Amitermes colonus; distribution map.
- Watson et al., 1998: 202 *Amitermes colonus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, South Australia, Western Australia.

# Amitermes conformis Gay, 1968

Amitermes conformis Gay, 1968a: 416-418, 454, 456 (imago, soldier), figs. 1D, 3D, 5B, 5C.

Type data: Holotype: ANIC No. 9092 imago ♀. Paratypes: ANIC No. 10 9031 imagoes, nymphs, soldiers, workers, AMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [from several non-type localities].

Type locality: Australia: Western Australia: Perth: Gnangara Plantation.

- Perry et al., 1985: 68, 74, fig. 4B Amitermes conformis; key; soldier figured; biology.
- Watson and Abbey, 1993b: 54, fig. 80 Amitermes conformis; distribution map.
- Abensperg-Traun and Perry, 1998: 198, fig. 5 Amitermes conformis; biology; ecology; distribution.
- Watson et al., 1998: 202 Amitermes conformis; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes corpulentus Al-Alawy, Abdul-Rassoul, and Al-Azawi, 1990

Amitermes corpulentus Al-Alawy et al., 1990: 25-27 (soldier), fig. 1.

Type data: Holotype: INHM soldier. Paratypes: INHM soldiers, workers, BMNH soldiers, workers, ZSI soldiers, workers.

Type locality: Iraq: Arbil, Salahdden.

- Sands, 1992: 19, 21, 26, 29–31, figs. 44–67 *Amitermes corpulentus*; imago (previously unknown), soldier, worker described and figured; key. Iran; Iraq.
- Sands, 1998: 183, 392, fig. 609 Amitermes corpulentus; gut figured; distribution. Iran; Iraq.
- Ghayourfar, 2005d: 64 *Amitermes corpulentus*; soldier characters and measurements; comparisons.
- ♠ DISTRIBUTION: Palaearctic Region—Iran; Iraq.

# Amitermes cryptodon Light, 1930

Amitermes cryptodon Light, 1930b: 222-223 (soldier, worker), pls. 16.3, 17.7, 18.3.

Type data: Syntypes: USNM soldiers, workers [not in USNM as cited by Constantino, 1998b], AMNH soldiers [not in AMNH as cited by Constantino, 1998b; possibly in CAS].

Type locality: Mexico: Madrid.

- Light, 1932e: 359, 384 Amitermes (Amitermes) cryptodon; remarks; distribution. Mexico.
- Light, 1933: 140, 141 Amitermes cryptodon; key.
- Light, 1934j: 339 Amitermes cryptodon; distribution. Mexico.
- Snyder, 1949a: 115 Amitermes cryptodon; catalog. Mexico.
- Araujo, 1977c: 57 Amitermes cryptodon; catalog. Mexico.
- Nickle and Collins, 1990: 99, 113, figs. 13C-D Amitermes cryptodon; key; soldier figured; characters; distribution. Mexico.
- Constantino, 1998b: 198 Amitermes cryptodon; catalog. Mexico.
- Fontes, 1998: 364 Amitermes cryptodon; catalog; distribution. Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Amitermes cryptodon; checklist; diversity; distribution. Mexico: Colima, Guerrero, Jalisco, Yucatan.
- Scheffrahn et al., 2005c: 551, table 1 Amitermes cryptodon; checklist; distribution. Nicaragua.
- TISTRIBUTION: Neotropical Region—Mexico; Nicaragua.

# Amitermes darwini (Hill, 1922)

Hamitermes darwini Hill, 1922b: 155–157 (soldier, worker), figs. 28–33.

Type data: Lectotype: NMV No. T-10855 soldier. Paralectotypes: NMV workers, AMNH soldiers, workers

LECTOTYPE DESIGNATION: Hill, 1942: 314 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: Darwin.

- Hill, 1942: 312–314, figs. 230, 231 *Hamitermes (Hamitermes) darwini*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 115, 116 Amitermes darwini; catalog; new combination. Australia.
- Calaby, 1956a: 89–90 Amitermes Darwini; biology; localities. Australia.
- Gay, 1968a: 408, 453, 455 Amitermes darwini; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes darwini; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 420 Amitermes darwini; biology; distribution. Australia.
- Watson and Abbey, 1993b: 54, fig. 81 Amitermes darwini; distribution map.
- Watson et al., 1998: 202–203 *Amitermes darwini*; catalog; synonymy; distribution; ecology. Australia.
- Dawes-Gromadzki, 2003: 397-404 Amitermes darwini; ecology; foraging.

Hamitermes willingsi Hill, 1935: 20-21 (imago, soldier, worker), figs. 16-20.

Type data: Lectotype: ANIC No. 9166 soldier. Paralectotypes: ANIC No. 10 1166 imago  $\,^{\circ}$ , worker, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 202.

Type locality: Australia: Northern Territory: Marrakai.

- Hill, 1942: 312 Hamitermes willingsi; synonymized with darwini.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

### Amitermes dentatus (Haviland, 1898)

Termes dentatus Haviland, 1898: 408-409 (imago, soldier, worker), pl. 24: figs. 45-48.

Type data: Syntypes: CUMZ No. 535 imagoes, soldiers, workers, AMNH soldiers, workers, BMNH soldiers, workers, USNM soldier, FRI imago, soldiers, workers, ZSI soldier, worker. Type locality: Malaysia: Borneo: Sarawak: Marudi.

- Desneux, 1904b: 41 Termes (Eutermes) dentatus; reference list. Malaysia: Borneo.
- Holmgren, 1912a: 93, fig. 60 *Hamitermes* (*Hamitermes*) *dentatus*; listed; soldier mandibles figured; new combination. "Asia."
- Holmgren, 1913c: 226, pl. 8: fig. 19 *Hamitermes* (*Hamitermes*) *dentatus*; imago, soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 170 Hamitermes dentatus; antennal articles. Malaysia: Sarawak.
- Holmgren, 1914: 272, 273 *Hamitermes* (*Hamitermes*) *dentatus*; characters; locality. Indonesia: Sumatra; Malaysia: Mainland.
- John, 1925: 408, pl. 23: fig. 33 *Hamitermes* (*Hamitermes*) *dentatus*; nest figured; locality. Indonesia: Sumatra; Malaysia: Mainland, Sarawak; Singapore.
- Wheeler, 1936: 222, 223, 229 *Amitermes dentatus*; ant ecological relationships; new combination.
- Snyder, 1949a: 116 Amitermes dentatus; catalog. Borneo; Malaya; Sumatra.
- Ahmad, 1958: 177, 178 Amitermes dentatus; key.
- Ahmad, 1962: 68 Amitermes dentatus; distribution. Pakistan [doubtful].
- Mathur and Thapa, 1962a: 37 *Amitermes dentatus*; collection catalog. Malaysia: Mainland, Sarawak; Indonesia: Sumatra.
- Ahmad, 1965: 72, 73–74, 109, fig. 73 *Amitermes dentatus*; imago, soldier described and figured; key; synonymy; distribution. Thailand.
- Harris, 1966a: 13 Amitermes dentatus; Haviland's types and type localities listed; biology.
- Roonwal, 1970c: 345 Amitermes dentatus; biology; distribution.
- Morimoto, 1973a: 77 Amitermes dentatus: listed.
- Akhtar, 1974a: 59 Amitermes dentatus; comparisons.
- Morimoto, 1976b: 28, fig. 52 Amitermes denticulatus [sic]; soldier figured; distribution.
- Thapa, 1982: 154–157, pl. 52 *Amitermes dentatus*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia; Singapore.
- Collins, 1984: 67, 70, fig. 26 *Amitermes dentatus*; soldier figured; ecology; distribution. Malaysia: Sarawak.
- Chhotani, 1987: 408–409 *Amitermes dentatus*; distribution and zoogeography. Indonesia; Malaysia; Singapore.
- Tho, 1992: 87, 199, 206, fig. 33 Amitermes dentatus; soldier described and figured. Malaysia.
- Akhtar and Iftikhar, 1997: 52, fig. 2b *Amitermes dentatus*; digestive tube morphology; enteric valve figured.
- Jones and Brendell, 1998: 79–91 *Amitermes dentatus*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Gathorne-Hardy et al., 2001: 391 *Amitermes dentatus*; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 55 *Amitermes dentatus*; catalog. Indonesia: Sumatra; Malaysia: Mainland, Sarawak; Singapore; Thailand.
- Yu et al., 2002: 4, 13, 14, fig. 9 *Amitermes dentatus*; key; soldier described and figured. China: Shenzen (intercepted).
- Gathorne-Hardy, 2004: 119 *Amitermes dentatus*; checklist; distribution. Indonesia: Sumatra; Malaysia: Mainland, Sabah, Sarawak.
- Ohkuma et al., 2004: 701–710 Amitermes dentatus; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 363 Amitermes dentatus; checklist; distribution. Thailand.

Hamitermes (Hamitermes) minor Holmgren, 1914: 273 (imago, soldier, worker), pl. 7: fig. 9.

Type data: Syntypes: AMNH imagoes, soldiers, workers, FRI imagoes, soldiers, workers, nymphs.

Type locality: Indonesia: Sumatra: Soengei Bamban.

- Wheeler, 1936: 222, 223 Amitermes minor; ant ecological relationships; new combination.
- Snyder, 1949a: 121 Amitermes minor; catalog [listed as valid]. Sumatra.
- Ahmad, 1958: 177, 178 Amitermes minor; key.
- Ahmad, 1962: 68 Amitermes minor; distribution. Pakistan.
- Mathur and Thapa, 1962a: 38 Amitermes minor; collection catalog. Indonesia: Sumatra.
- Ahmad, 1965: 74 Hamitermes (Hamitermes) minor; synonymized with dentatus.
- Thapa, 1982: 154, 157–160, pl. 53 *Amitermes minor*; imago, soldier described and figured; synonymy; key. Indonesia: Sumatra; Malaysia: Sabah.
- Tho, 1992: 87, 206 Amitermes minor; listed; distribution.
- © DISTRIBUTION: Oriental Region—China: Shenzen: intercepted; Indonesia: Sumatra; Malaysia: Mainland, Sabah, Sarawak; Singapore; Thailand.

#### Amitermes dentosus (Hill, 1935)

Hamitermes dentosus Hill, 1935: 27-28 (imago, soldier, worker), figs. 32-36.

Type data: Lectotype: ANIC No. 9075 soldier. Paralectotypes: ANIC No. 10 846 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities], AMNH soldiers, workers [non-type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 316 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Western Australia: Ghooli.

- Hill, 1942: 314–316, figs. 232, 233 *Hamitermes* (*Hamitermes*) *dentosus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 116 Amitermes dentosus; catalog; new combination. Australia.
- Roonwal and Pant, 1953: 49 Amitermes dentosus; collection catalog. Australia.
- Mathur and Thapa, 1962a: 38 Amitermes dentosus; collection catalog. Australia.
- Gay, 1968a: 411, 414, 416, 418, 422, 435, 436, 439, 446, 452, 453, 455 Amitermes dentosus; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes dentosus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 420 Amitermes dentosus; biology; distribution. Australia.
- Watson et al., 1973: 122 Amitermes dentosus; biology.
- Watson et al., 1978b: 102, 105, 106 Amitermes dentosus; distribution; ecology.
- Abensperg-Traun and de Boer, 1990: 226 Amitermes dentosus; checklist; ecology; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Amitermes dentosus; foraging; defense.
- Watson and Abbey, 1993b: 55, fig. 82 Amitermes dentosus; distribution map.
- Watson et al., 1998: 203 *Amitermes dentosus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Western Australia.

# Amitermes deplanatus Gay, 1968

Amitermes deplanatus Gay, 1968a: 418-420, 454 (soldier), figs. 5D, 5E.

Type data: Holotype: ANIC No. 9093 soldier. Paratypes: ANIC No. 10 6958 soldiers, workers, AMNH soldiers, workers, ANIC soldiers, workers [non-type locality], ANIC soldiers, workers [non-type locality].

Type locality: Australia: Western Australia: 35 mi WSW Winning Pool.

- Ferrar and Watson, 1970: 101 Amitermes deplanatus; checklist; ecology; distribution.
- Watson and Abbey, 1993b: 55, fig. 83 Amitermes deplanatus; distribution map.
- Watson et al., 1998: 203 *Amitermes deplanatus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

#### Amitermes desertorum (Desneux, 1902)

Eutermes desertorum Desneux, 1902: 439 (imago, worker), fig. 2.

Type data: Syntypes: RIB imagoes, workers, NHRM imago, worker, AMNH imago, NHMM imago.

Type locality: Algeria: "dans le Souf, entre Maouiet-Fezan et Tougourt."

- Sjöstedt, 1904: 81-82 Eutermes desertorum; imago, worker described; distribution. Algeria.
- Desneux, 1904b: 41 *Termes (Eutermes) desertorum*; reference list; synonymy; new combination. Algeria.
- Desneux, 1904a: 147-149 Termes desertorum; imago, soldier described. Algeria.
- Holmgren, 1912a: 91 *Hamitermes* (*Hamitermes*) *desertorum*; listed; new combination [Togo incorrect locality].
- Hegh, 1922: 75, 469, 695 Eutermes desertorum; biology; reference list; distribution; Hamitermes desertorum; distribution [Sjöstedt as author and Togo as locality both incorrect].
- Sjöstedt, 1926d: 182, 187 *Amitermes desertorum*; reference list; key; biology; remarks; locality; new combination. Algeria.
- Snyder, 1949a: 116 Amitermes desertorum; catalog. Algeria.
- Harris, 1961a: 54 Amitermes desertorum; listed.
- Spaeth, 1964: 28 Amitermes desertorum; comparisons.
- Harris, 1966b: 6, 8, figs. 3, 4, 5 Amitermes desertorum; listed; imago figured. Algeria.
- Van Boven, 1969a: 41 Amitermes desertorum; types listed. Algeria.
- Harris, 1970b: 308 Amitermes desertorum; ecology; distribution. Algeria.
- Kaschef and El-Sherif, 1971: 230, 231 Amitermes desertorum; distribution. Egypt.
- Móczár, 1976: 107, 108–109, 110, figs. 5–7 Amitermes desertorum; colony, nest figured; biology; locality. Egypt.
- Mathot, 1978: 54 Amitermes desertorum; collection catalog; types listed.
- Hafez, 1980: 149 Amitermes desertorum; damage; distribution. Egypt.
- Johnson and Wood, 1980: 279-293 Amitermes desertorum; checklist; ecology; distribution.
- Abdel-Wahab et al., 1985: 49-52 Amitermes desertorum; ecology.
- Scheffrahn et al., 1987: 75–82 Amitermes desertorum; defensive secretions.
- Sands, 1992: 20, 22, 24, 31–33, figs. 68–94 *Amitermes desertorum*; synonymy; imago, soldier, worker described and figured; key; phylogeny. Algeria; Egypt; Libya; Tunisia.
- Braekman et al., 1993: 662 Amitermes desertorum; defensive secretions; biochemistry.
- Sands, 1998: 183, 392, figs. 611, 612 *Amitermes desertorum*; gut figured; distribution. Algeria; Egypt; Libya; Tunisia.

Hamitermes santschi Silvestri, 1911: 105-106 (soldier, worker), fig. 1 [described as "Santschi"].

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, workers.

Type Locality: Tunisia: Kairouan (Cheri-Chera).

- Holmgren, 1912a: 91 Hamitermes (Hamitermes) Santschi; listed. Tunisia.
- Hegh, 1922: 695 Hamitermes Santchii [sic]; reference list; distribution.
- Sjöstedt, 1926d: 183, 187 Amitermes Santschii [sic]; reference list; key; biology; locality; new combination. Tunisia.
- Menozzi, 1940: 248, 250 Amitermes Santschii [sic]; remarks; locality. Libya.
- Snyder, 1949a: 124 Amitermes santschi; catalog [listed as valid]. Libya; Tunisia.
- Noirot, 1955b: 479-481 Amitermes santschi; caste development; polymorphism.
- Harris, 1966b: 6–8, figs. 1, 2 *Amitermes santschi*; imago (previously unknown) described and figured; locality. Libya.
- Van Boven, 1969a: 42 Amitermes santschi; types listed. Tunisia.
- Harris, 1970b: 308 Amitermes santschi; ditribution. Libya; Tunisia.
- Johnson and Wood, 1980: 279-293 Amitermes santschi; checklist; ecology; distribution.
- Sands, 1992: 31 Amitermes santschi; synonymized with desertorum.
- Tunisia. Palaearctic Region—Algeria; Egypt; Libya; Tunisia.

### Amitermes emersoni Light, 1930

Amitermes emersoni Light, 1930a: 187–190 (soldier, worker), pls. 11–14.

Type data: Syntypes: USNM soldiers, workers [one soldier incorrectly labeled as "holotype"; Light did not designate a holotype], AMNH soldier [not in AMNH as cited by Constantino, 1998b]. Type locality: USA: California: Coachella.

- Light, 1930b: 217 Amitermes emersoni; key. USA: California:.
- Light, 1932e: 356, 359, 375–377, 382, 389, figs. L-M Amitermes (Amitermes) emersoni; imago (previously unknown) described and figured; biology; key; distribution. USA: California.
- Light, 1934e: 203, 204, 205, fig. 66j Amitermes (Amitermes) emersoni; key; soldier mandibles figured; distribution. USA: California.
- Snyder, 1949a: 117 Amitermes emersoni; catalog; reference list. USA: California.
- Weesner, 1965: 33, 58, 60, 61, 62, figs. 13, 18, 19 *Amitermes emersoni*; key; characters; imago head, soldier mandibles figured; biology; distribution.
- Gisler, 1967: 85, 144 Amitermes emersoni; protozoa. USA: California.
- Nutting, 1969c: 321–322 Amitermes emersoni; flight; distribution. USA: Arizona.
- Weesner, 1970: 512 Amitermes emersoni; biology.
- Araujo, 1977c: 57 Amitermes emersoni; catalog. USA: California.
- Nutting, 1979b: 142 Amitermes emersoni; swarming period.
- Scheffrahn et al., 1988b: 213–216 *Amitermes emersoni*; defensive secretions; biochemistry; biogeography. USA: California.
- Nutting, 1990a: 1028, 1029, fig. 33.8 Amitermes emersoni; key; imago, soldier figured.
- Braekman et al., 1993: 662 Amitermes emersoni; biochemistry of defensive secretions.
- Poole and Gentili, 1997: 495 Amitermes emersoni; distribution. North America.
- Constantino, 1998b: 198 Amitermes emersoni; catalog. USA: California.
- S DISTRIBUTION: Nearctic Region—USA: Arizona, California.

# Amitermes ensifer Light, 1930

Amitermes ensifer Light, 1930b: 223-224 (soldier, worker), pls. 16.2, 18.1.

Type data: Syntypes: AMNH soldier, workers [one soldier incorrectly labeled as "holotype"; Light did not designate a holotype], USNM soldiers, workers [not in USNM as cited by Constantino, 1998b].

Type locality: Mexico: Jala, 21 Km. west of Colima

- Light, 1932e: 359, 369 Amitermes (Amitermes) ensifer.
- Light, 1933: 140, 141 Amitermes ensifer; key.
- Light, 1934j: 339 Amitermes ensifer; distribution. Mexico.
- Snyder, 1949a: 117 Amitermes ensifer; catalog. Mexico.
- Araujo, 1977c: 57 Amitermes ensifer; catalog. Mexico.
- Nickle and Collins, 1990: 92, 113 Amitermes ensifer; remarks; distribution. Mexico.
- Constantino, 1998b: 198 Amitermes ensifer; catalog. Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Amitermes ensifer; checklist; diversity; distribution. Mexico: Colima, Jalisco.
- § DISTRIBUTION: Neotropical Region—Mexico.

# Amitermes eucalypti (Hill, 1922)

Hamitermes eucalypti Hill, 1922a: 391–395 (imago, soldier, worker), figs. 23–25.

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH imagoes, soldiers, workers, ANIC No. 10 127 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, nymph [non-type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 317 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: Australia: Queensland: Magnetic Island.

- Hill, 1942: 316–317, fig. 234 *Hamitermes* (*Hamitermes*) *eucalypti*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 117 Amitermes eucalypti; catalog; new combination. Australia.
- Gay, 1968a: 453, 456 Amitermes eucalypti; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes eucalypti; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 421 Amitermes eucalypti; biology; distribution. Australia.
- Watson and Abbey, 1993b: 56, fig. 84 Amitermes eucalypti; distribution map.
- Watson et al., 1998: 203 *Amitermes eucalypti*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

#### Amitermes evuncifer (Silvestri, 1912)

Hamitermes evuncifer Silvestri, 1912a: 231-232 (soldier, worker), fig. VIII.

Type data: Syntypes: MCG soldiers, workers, AMNH soldier, workers.

Type Locality: Guinea-Bissau (Portuguese Guinea): Bolama: Rio Cassine.

- Wasmann, 1897b: 163 Termes unidentatus [Gold Coast = evuncifer].
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) evuncifer; listed. Guinea.
- Silvestri, 1914a: 73, figs. 40, 41 *Hamitermes evuncifer*; secondary queen (previously undescribed), soldier described; imago figured; biology, locality. Ghana; Guinea; Nigeria; Senegal.

- Sjöstedt, 1914c: 92 Eutermes (Hamitermes) evuncifer; biology; locality. Congo-Zaire.
- Hegh, 1922: 179, 371, 469, 535, 596, 695, fig. 107 *Hamitermes evuncifer*; biology; reference list; distribution.
- Sjöstedt, 1926d: 182, 185 Amitermes unidentatus subsp. evuncifer; imago (previously unknown) described; reference list; key; biology; locality; new combination. Congo-Zaire; Ghana; Guinea; Guinea-Bissau; Liberia; Nigeria; Senegal; Togo.
- Sjöstedt, 1926b: 152 Amitermes unidentatus subsp. evuncifer; key.
- Sjöstedt, 1926c: 243 Amitermes unidentatus subsp. evuncifer; locality. Ghana.
- Emerson, 1928b: 497 Amitermes (Amitermes) evuncifer; soldier described. Congo-Zaire.
- Grassé, 1936: 281 Amitermes evuncifer; distribution. Ivory Coast.
- Weber, 1943: 286 Amitermes (Amitermes) evuncifer; ant association; distribution. Sudan.
- Grassé, 1945: figs. 10, 11 Amitermes evuncifer; nest associated with Ancistrotermes crucifer figured. Ivory Coast.
- Snyder, 1949a: 117 *Amitermes evuncifer*; catalog. Congo-Zaire; Ghana; Guinea-Bissau; Liberia; Senegal; Togo.
- Grassé, 1949: fig. 172 Amitermes evuncifer; nest figured.
- Grassé, 1952b: 56, fig. 3 Amitermes evuncifer; caste development.
- Noirot, 1955b: 475-478, fig. 32 Amitermes evuncifer; caste development; polymorphism.
- Noirot, 1956: 150 Amitermes evuncifer; supplementary reproductives.
- Weidner, 1956b: 92, fig. 33 *Amitermes evuncifer*; synonymy; measurements; covered runway figured; locality. Angola.
- Noirot, 1959b: 265 *Amitermes evuncifer*; listed.
- Sands, 1959: 136–137, figs. 2B, 3B, 4C, 5B, 6B *Amitermes evuncifer*; synonymy; imago, soldier, worker described and figured; key; distribution. Eritrea; Ghana; Kenya; Nigeria; Sierra Leone; Sudan; Uganda.
- Harris, 1961a: 156, 163 Amitermes evuncifer; damage; distribution.
- Noirot, 1961: 658, 659 Amitermes evuncifer; listed.
- Weidner, 1961: 49, 50, fig. 30 *Amitermes evuncifer*; synonymy; soldier mandibles figured; distribution. Angola.
- Harris, 1963c: 4, 9, 31, 36, 39, 40, pl. 4: fig. 2 *Amitermes evuncifer*; nest figured; ecology; locality. Congo-Zaire.
- Bodot, 1964a: 253, 254, 255, 256, 257 Amitermes evuncifer; biology; ecology. Ivory Coast.
- Bouillon and Mathot, 1965: 40 *Amitermes evuncifer*; catalog. Angola; Eritrea; Ivory Coast; Kenya; Nigeria; Sierra Leone; Sudan; Uganda.
- Sands, 1965b: 568 Amitermes evuncifer; ecology.
- Bodot, 1968a: 229-258 Amitermes evuncifer; biology; ecology. Ivory Coast.
- Gisler, 1967: 82 Amitermes evuncifer; distribution. Ivory Coast.
- Bodot, 1968c: 361, 372, 377, 378, 386, 387 Amitermes evuncifer; biology; ecology. Ivory Coast.
- Harris, 1968c: 2, 11, fig. 6 Amitermes evuncifer; soldier figured; biology; locality. Sudan.
- Bodot, 1969: 39–53 Amitermes evuncifer; biology; ecology. Ivory Coast.
- Noirot and Noirot-Timothée, 1969: 66, fig. 3.7E Amitermes evuncifer; digestive tube figured.
- Roy-Noël, 1969b: 124–126, 139, 160, 162, 163, fig. 7, pl. 7 *Amitermes evuncifer*; measurements; soldier mandibles figured; distribution; ecology; biology. Eritrea; Guinea-Bissau; Kenya; Nigeria; Senegal; Sierra Leone; Sudan; Uganda.
- Bodot, 1971: 195–207, table 1 Amitermes evuncifer; ecology; distribution. Ivory Coast.
- Bouillon and Mathot, 1971: table: no. 71 Amitermes evuncifer; measurements.
- Roy-Noël, 1972: 203–204, 272, tables 1, 3 *Amitermes evuncifer*; biology; swarming; distribution. Senegal; tropical Africa.
- Weidner, 1974: 36 Amitermes evuncifer; synonymy. Angola.
- Roy-Noël, 1974b: 526-609 Amitermes evuncifer; biology; ecology; distribution. Angola; Congo-Zaire; Eritrea; Ghana; Guinea-Bissau; Ivory Coast; Kenya; Liberia; Nigeria; Senegal; Sierra Leone; Sudan; Togo; Uganda.
- Wood, 1976: 145, table 6.1 Amitermes evuncifer; feeding; population density. Nigeria.

- Ella and Malaka, 1977: 65, 66, 67, 68 Amitermes evuncifer; biology; locality. Nigeria.
- Evans et al., 1977: 46–47 Amitermes evuncifer; defensive secretions; biochemistry.
- Roy-Noël and Wane, 1977: 131, 133 Amitermes evuncifer; pest; distribution. Senegal.
- Bayode, 1979: 163 Amitermes evuncifer; distribution; habitat; damage. Nigeria.
- Evans (D.A.) et al., 1979: 217–219 *Amitermes evuncifer*; defensive secretions; biochemistry; behavior.
- Johnson, 1979: 36, figs. 13-14 Amitermes evuncifer; digestive tube described and figured.
- Prestwich, 1979b: 466 Amitermes evuncifer; chemical defense; biochemistry.
- Johnson et al., 1980: 56, fig. 8 Amitermes evuncifer; mound figured; checklist; biology; distribution. Guinea; Nigeria.
- Malaka, 1980b: 351–361 Amitermes evuncifer; foraging.
- Medler, 1980: 55 Amitermes evuncifer; checklist. Nigeria.
- Sangare and Bodot, 1980: 131–141 Amitermes evuncifer; checklist; biology; distribution. Ivory Coast.
- Blum, 1981a: 275 Amitermes evuncifer; secretions; biochemistry.
- Deligne et al., 1981: fig. 14B Amitermes evuncifer; soldier head figured; defense.
- Roy-Noël, 1982: 129, 131 Amitermes evuncifer; ecology; pest; distribution. Senegal.
- Wood et al., 1982: 25–39 *Amitermes evuncifer*; ecology; feeding and nesting habits; distribution. Nigeria.
- Prestwich, 1983b: 293 Amitermes evuncifer; secretions; biochemistry.
- Prestwich, 1984a: table 1 Amitermes evuncifer; checklist; ecology; defense mode; chemicals; distribution.
- Wanyonyi et al., 1984: 4 Amitermes evuncifer; checklist; distribution. Kenya; Uganda.
- Malaka, 1986: 683-685 Amitermes evuncifer; cellulose; enzymes; digestion.
- Ayansola, 1987: 39, fig. 2 Amitermes evuncifer; soldier described and figured; distribution.
   Nigeria.
- Malaka, 1987: 343–350 Amitermes evuncifer; pheromones; trail laying; bioassay.
- Cowie et al., 1990: 23, 24, table 1 Amitermes evuncifer; checklist; distribution. Ethiopia.
- Sands, 1992: 20, 22, 24, 33–35, figs. 95–122 *Amitermes evuncifer*; imago, soldier, worker described and figured; key; phylogeny. Eritrea; Guinea-Bissau; Senegal.
- Braekman et al., 1993: 662 Amitermes evuncifer; biochemistry of defensive secretions.
- Raineri et al., 1993: 528 Hamitermes evuncifer; collection catalog; types listed.
- Azariz and Rouland, 1998: 69-75 Amitermes evuncifer; gut microflora. Chad.
- Mora et al., 1998: 77-80 Amitermes evuncifer; enzymes; lignin degradation.
- Sands, 1998: 183, 391, 392, 393, figs. 591–596, 605, 606, 613, 614, 634 Amitermes evuncifer; worker mandibles, pronota, fore coxa, gut figured; distribution. Senegal to Eritrea.
- Kaib, 1999: 337 Amitermes evuncifer; trail pheromones; biochemistry.
- Noirot, 2001: 437, fig. 6K Amitermes evuncifer; gut characters, figured.
- Eggleton et al., 2002a: 199, table 3 Amitermes evuncifer; checklist; ecology; distribution.
   West Africa: Cameroon/Congo.
- Ndiaye and Han, 2006: 60 Amitermes evuncifer; checklist; pest; distribution. Senegal.

Hamitermes evuncifer heterocera Silvestri, 1914a: 75 (soldier, worker), fig. 42.

Type data: Syntypes: IEA soldiers, workers (Ghana: Aburi), AMNH soldier (Ghana: Aburi), IEA soldier, worker (Benin: Cotonou), USNM soldier (Ghana: Aburi).

Type locality: Ghana (Gold Coast): Aburi; Benin (Dahomey): Cotonou.

- Hegh, 1922: 695 Hamitermes evuncifer var. heterocera; reference list; distribution.
- Sjöstedt, 1926d: 186 Amitermes unidentatus subsp. evuncifer var. heterocera [rank below subspecies invalid]; reference list; key; biology; remarks; locality; new combination. Ghana.
- Sjöstedt, 1926a: 4 *Amitermes unidentatus* subsp. *evuncifer* var. *heterocera* [rank below subspecies invalid]; locality. Ghana.

- Snyder, 1949a: 117 Amitermes evuncifer var. heterocera; catalog. Dahomey; Ghana.
- Sands, 1959: 136 Amitermes evuncifer var. heterocera; synonymized with evuncifer.
- Tistribution: Ethiopian Region—Angola; Benin; Congo-Zaire; Ethiopia; Eritrea; Ghana; Guinea; Guinea-Bissau; Ivory Coast (Côte d'Ivoire); Kenya; Liberia; Nigeria; Senegal; Sierra Leone; Sudan; Chad; Togo; Uganda.

# Amitermes excellens (Silvestri, 1923)

Hamitermes excellens Silvestri, 1923a: 309-312 (imago, soldier, worker), pl. 12.

TYPE DATA: Syntypes: IEA imagoes, soldier, AMNH imagoes, soldiers, workers. Type locality: Guyana: Kartabo.

- Emerson, 1925: 294, 311, 431–432, fig. 83 Amitermes (Amitermes) excellens; imago, soldier described and figured; key; new combination. Guyana.
- Light, 1930b: 217, 218 Amitermes excellens; key; distribution. Guyana.
- Light, 1932e: 359, 384 Amitermes (Amitermes) excellens; imago, soldier characters; distribution.
   Guyana.
- Wheeler, 1936: 234 Amitermes excellens; ant ecological relationships.
- Emerson, 1937: 246 Amitermes excellens; nest figured.
- Emerson, 1938: 269, figs. 9, 10 Amitermes excellens; nest figured; behavior; phylogeny.
- Snyder, 1949a: 117 Amitermes excellens; catalog; reference list. Guyana.
- Emerson, 1955: 473 Amitermes excellens; distribution.
- Harris, 1961a: 156, 162 Amitermes excellens; damage; distribution.
- Gonçalves and Silva, 1962: 196–197, figs. 1–4 *Amitermes excellens*; checklist; nest; biology; locality. Brazil.
- Goodland, 1965: 641 Amitermes excellens; ecology.
- Van Boven, 1969a: 41 Amitermes excellens; listed. British Guiana.
- Araujo, 1970d: 546-548 Amitermes excellens; biology; distribution.
- Araujo, 1977c: 57 Amitermes excellens; catalog. Brazil; Guyana.
- Prestwich, 1983b: 293 Amitermes excellens; secretions; biochemistry.
- Prestwich, 1984a: table 1 Amitermes excellens; checklist; ecology; defense mode; chemicals; distribution.
- Braekman et al., 1993: 662 Amitermes excellens; biochemistry of defensive secretions.
- Constantino and Cancello, 1993: 403 Amitermes excellens; distribution. Brazil: Amazonia.
- Constantino, 1998b: 198 Amitermes excellens; catalog. Brazil; Guyana.
- Fontes, 1998: 364 Amitermes excellens; catalog; distribution. Brazil.
- Constantino, 2002c: 358, table 3 *Amitermes excellens*; checklist; damage; distribution. Brazil; Guyana.
- Milano and Fontes, 2002: 65 Amitermes excellens; distribution. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil; Guyana.

#### Amitermes exilis (Hill, 1935)

*Hamitermes exilis* Hill, 1935: 30–31 (soldier, worker).

Type data: Lectotype: ANIC No. 9076 soldier. Paralectotypes: ANIC No. 10 17712 workers. Lectotype designation: Hill, 1942: 319 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Western Australia: Mullewa.

— Hill, 1942: 318–319, fig. 235 • *Hamitermes* (*Hamitermes*) exilis; soldier described and figured; synonymy; distribution; biology. Australia.

- Snyder, 1949a: 118 Amitermes exilis; catalog; reference list. Australia.
- Gay, 1968a: 420, 454 Amitermes exilis; synonymy; key; soldier described; biology; distribution.
   Australia.
- Ferrar and Watson, 1970: 101 Amitermes exilis; checklist; ecology; distribution. Australia.
- Watson et al., 1978b: 102, 105 Amitermes exilis; distribution; ecology.
- Watson and Abbey, 1993b: 56, fig. 85 Amitermes exilis; distribution map.
- Watson et al., 1998: 203–204 *Amitermes exilis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, South Australia, Western Australia.

# Amitermes falcatus Gay, 1968

Amitermes falcatus Gay, 1968a: 421, 454 (soldier), fig. 5f.

Type data: Holotype: ANIC No. 9094 soldier. Paratypes: ANIC No. 10 7194 soldier, workers, ANIC soldiers, workers [several non-type localities], AMNH soldier, workers [not type locality].

Type locality: Australia: Western Australia: 13 mi N Geraldton.

- Watson and Abbey, 1993b: 57, fig. 86 Amitermes falcatus; distribution map.
- Watson et al., 1998: 204 Amitermes falcatus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes firmus Gay, 1968

Amitermes firmus Gay, 1968a: 421-422, 455 (soldier), figs. 5G, 5H, 5I.

Type data: Holotype: ANIC No. 9095 soldier. Paratypes: ANIC No. 10 10972 soldiers, workers, AMNH soldiers, workers, ANIC soldiers, workers [several series from non-type localities]. Type locality: Australia: Western Australia: 7 mi NNE Whim Creek.

- Watson and Abbey, 1993b: 57, fig. 87 Amitermes firmus; distribution map.
- Watson et al., 1998: 204 Amitermes firmus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes floridensis Scheffrahn, Su, and Mangold, 1989

Amitermes floridensis Scheffrahn et al., 1989: 618-624 (imago, soldier, worker), fig. 1.

Type data: Holotype: FSCA soldier. Paratypes: FSCA imagoes, soldiers, workers, AMNH imagoes, soldiers, nymphs, USNM soldiers, workers.

Type Locality: USA: Florida: Pinellas Co.: St. Petersburg.

- Scheffrahn and Su, 1994: 467, 471, figs. 22–23, 47 Amitermes floridensis; key; soldier, forewing figured. USA: Florida.
- Wheeler et al., 1996: 799–806 Amitermes floridensis; methane production.
- Poole and Gentili, 1997: 495 Amitermes floridensis; distribution. North America.
- Sugimoto et al., 1997: 220 Amitermes floridensis; diet; methane emissions.
- Constantino, 1998b: 198 Amitermes floridensis; catalog. USA: Florida.
- S DISTRIBUTION: Nearctic Region—USA: Florida.

### Amitermes foreli Wasmann, 1902

Amitermes foreli Wasmann, 1902a: 106-107 (soldier, worker, nymph) [described as "Foreli"].

TYPE DATA: Lectotype: NHMM soldier. Paralectotypes: NHMM soldier, workers, nymphs. Lectotype designation: Van Boven, 1969a: 42 [incorrectly credited to Emerson, 1957]. Type locality: Colombia: Baranguilla.

- Wasmann, 1901: 744 Dentitermes foreli [nomen nudum].
- Wasmann, 1902d: 123 Amitermes foreli; listed.
- Desneux, 1904b: 42 Termes (Eutermes) Foreli; reference list; new combination. Colombia.
- Holmgren, 1906: 669 Hamitermes foreli; distribution; new combination. Colombia.
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) Foreli; listed. Colombia.
- Wasmann, 1915a: 385 Hamitermes Foreli; listed.
- Light, 1932e: 356, 359, 365, 407, figs. UU–VV, pl. 10 Amitermes (Amitermes) foreli; soldier described and figured; distribution. Colombia.
- Snyder, 1949a: 118 Amitermes foreli; catalog; reference list; synonymy. Colombia; Panama.
- Snyder, 1959a: 318, 319, 321 Amitermes foreli; key; distribution. Venezuela.
- Van Boven, 1969a: 42 Amitermes foreli; types listed.
- Roonwal, 1970b: fig. 6a Amitermes foreli; imago head figured.
- Araujo, 1977c: 57 Amitermes foreli; catalog; synonymy. Colombia; Panama; Venezuela.
- Weidner, 1980: 66-67, figs. 3, 4 Amitermes foreli; nest described and figured; locality. Colombia.
- Roonwal and Chhotani, 1989: fig. 40a Amitermes foreli; imago head figured.
- Nickle and Collins, 1992: 209, 229, fig. 13.65 *Amitermes foreli*; key; soldier figured; distribution. Panama.
- Constantino, 1998b: 198 Amitermes foreli; catalog, synonymy. Panama; Colombia; Venezuela.
- Fontes, 1998: 364 Amitermes foreli; catalog.
- Issa, 2000: 381 Amitermes foreli; checklist; distribution. Venezuela.
- Constantino, 2002c: 358, table 3 Amitermes foreli; checklist; damage; distribution. Colombia; Venezuela.

Termes columnar Dudley, 1890a: 109 (nest only) [nomen nudum].

Termes columnaris Dudley, 1890b: 157, 176 (nest and biology only) [nomen nudum].

Amitermes medius Banks, 1918: 663–664 (imago, soldier).

Type data: Syntypes: MCZ No. 10088 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers, nymphs [Banks, 1918 cited the types as "Type in MCZ; paratypes in AMNH," but no single specimen was labeled as "Type." Since he did not designate a single specimen among those he called "Type," all of Banks' "Type" specimens are syntypes. Constantino, 1998b incorrectly referred to the AMNH specimen as "holotype," probably interpreting Banks' "type" to mean holotype].

Type locality: Panama.

- Snyder, 1924j: pl. 3: fig. 9 Amitermes medius; nest figured.
- Dietz and Snyder, 1924: 281, 291–293, pls. 4, 5 *Amitermes medius*; locality; swarming; biology. Panama: Taboga Island.
- Snyder, 1925j: 193 Amitermes medius; listed. Panama.
- Snyder, 1925e: 162 Amitermes medius; locality. Colombia.
- Light, 1930b: 217, 218 Amitermes medius; key; distribution. Panama.
- Light, 1932e: 359, 361, figs. A-B Amitermes (Amitermes) medius; imago described and figured; distribution. Panama.
- Wheeler, 1936: 219, 235 Amitermes medius; ant ecological relationships.
- Emerson, 1937: 245 Amitermes medius; nest figured.

- Hare, 1937: 468, pl. 13: fig. 51 Amitermes (Amitermes) medius; imago/worker, soldier mandibles measurements and figure.
- Emerson, 1938: 263, fig. 5 Amitermes medius; nest described and figured; behavior; phylogeny.
- Snyder, 1949a: 118 Amitermes medius; synonymized with foreli.
- Gisler, 1967: 93 Amitermes medius; protozoa.
- § DISTRIBUTION: Neotropical Region—Colombia; Panama; Venezuela.

# Amitermes gallagheri Chhotani, 1988

Amitermes gallagheri Chhotani, 1988: 367–369 (soldier, worker), figs. 9–11.

TYPE DATA: Holotype: ONHM soldier. Paratypes: ONHM soldier, workers, ZSI soldier, workers. TYPE LOCALITY: Oman: Jabal Hamar, west of Rayzut [16°45′N, 53°56′E, 200 m].

- Chhotani and Bose, 1991: 261, 263 Amitermes gallagheri; key. Saudi Arabia.
- Sands, 1992: 20, 22, 25, 35–37, figs. 123–145 *Amitermes gallagheri*; imago (previously unknown), worker, soldier described and figured; key; phylogeny. Oman; Saudi Arabia; South Yemen.
- Sands, 1998: 183 *Amitermes gallagheri*; listed; distribution. Oman; Saudi Arabia; South Yemen; Yemen
- ③ DISTRIBUTION: Ethiopian Region—Yemen. ◆ Palaearctic Region—Oman; Saudi Arabia.

### Amitermes germanus (Hill, 1915)

Termes germana Hill, 1915: 88-89 (soldier, worker).

Type data: Lectotype: AMNH soldier (possibly lost fide Watson et al., 1998: 204). Paralectotypes: AMNH soldiers.

LECTOTYPE DESIGNATION: Hill, 1942: 321 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: Australia: Northern Territory: Darwin: Fannie Bay.

- Hill, 1922b: 157, figs. 36–41, pl. 25: fig. 1 *Hamitermes germanus*; imago (previously unknown) described and figured; biology; nest figured; locality; new combination. Australia.
- Hill, 1922a: 383, fig. 19 Hamitermes germanus; soldier figured; comparisons.
- Hill, 1942: 319–321, figs. 236, 237 *Hamitermes (Hamitermes) germanus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 118 Amitermes germanus; catalog; new combination. Australia.
- Gay, 1968a: 453, 456 Amitermes germanus; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes germanus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 421 Amitermes germanus; biology; distribution. Australia.
- Ruelle, 1975b: 6 Amitermes germanus; "paratype" imagoes [= non-type] listed.
- Watson et al., 1978b: 102, 105, 106 Amitermes germanus; distribution; ecology.
- Watson and Abbey, 1993b: 58, fig. 88 Amitermes germanus; distribution map.
- Watson et al., 1998: 204 Amitermes germanus; catalog; synonymy; distribution; ecology. Australia.

Hamitermes (Hamitermes) kimberleyensis Mjöberg, 1920: 75–78 (imago, soldier, worker), figs. 38a, 39b, 40a.

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM imagoes, soldiers, workers, NHRM soldiers, workers [not type locality], AMNH imagoes, soldiers, workers. Lectotype designation: Watson et al., 1998: 204.

Type locality: Australia: Western Australia: Derby.

- Hill, 1942: 319 Hamitermes (Hamitermes) kimberleyensis; synonymized with germanus.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Western Australia.

## Amitermes gestroanus (Sjöstedt, 1912)

### Eutermes gestroanus Sjöstedt, 1912: 12.

TYPE DATA: Holotype [by monotypy]: MCG imago. Type locality: Ethiopia (Abyssinia): Scioa: Gherba.

- Hegh, 1922: 499, 700 *Mirotermes* (*?Eutermes*) *gestroanus*; reference list; new combination; distribution.
- Sjöstedt, 1926d: 325 Eutermes gestroanus; reference list; remarks; locality. Ethiopia.
- Emerson, 1928b: 535 Mirotermes(?Basidentitermes) gestroanus; listed.
- Jucci, 1937: 304 Mirotermes gestroanus; distribution.
- Ghidini, 1938: 233 Eutermes gestroanus; remarks; distribution. Ethiopia.
- Snyder, 1949a: 347 *Mirotermes* (?*Basidentitermes*) ?sp.; listed under unclassified, with references for *gestroanus*. Ethiopia.
- Raineri et al., 1993: 529 Eutermes gestroanus; collection catalog; types listed [cited as holotype].
- Krishna et al., this work Amitermes gestroanus; new combination.
- Tistribution: Ethiopian Region—Ethiopia.

## Amitermes gracilis Gay, 1968

Amitermes gracilis Gay, 1968a: 422-423, 455 (soldier), fig. 5J.

Type data: Holotype: ANIC No. 9096 soldier. Paratypes: ANIC No. 10 10236 soldiers, workers, AMNH soldiers, workers.

Type locality: Australia: Queensland: 5 mi N Undina.

- Ferrar and Watson, 1970: 101 Amitermes gracilis; checklist; ecology; distribution. Australia.
- Watson and Abbey, 1993b: 58, fig. 89 Amitermes gracilis; distribution map.
- Watson et al., 1998: 204 Amitermes gracilis; catalog; synonymy; distribution; ecology. Australia.
- DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland.

### Amitermes guineensis Sands, 1992

Amitermes guineensis Sands, 1992: 37-39 (imago, soldier, worker), figs. 146-171.

Type data: Holotype: BMNH imago  $\mathcal{P}$ . Paratypes: BMNH imagoes, soldiers, workers, BMNH imagoes, soldiers, workers [several series from non-type localities].

Type locality: Nigeria: 43 miles from Maiduguri on Potiskum road.

- Sands, 1998: 183, 392, figs. 615, 616, 632, 637 *Amitermes guineensis*; gut figured; distribution. Gambia; Ghana; Nigeria.
- Tistribution: Ethiopian Region—Gambia; Ghana; Nigeria.

## Amitermes hartmeyeri (Silvestri, 1909)

*Monodontermes hartmeyeri* Silvestri, 1909b: 299–300 (soldier, worker), figs. 147–153 [described as "*Hartmeyeri*"].

Type data: Lectotype: ZMH soldier (fide Weidner, 1955e). Paralectotypes: ZMH workers. Lectotype designation: Gay, 1968a: 424 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: Australia: Western Australia: Daydawn.

- Holmgren, 1912a: 90 *Hamitermes (Monodontermes) Hartmeyeri*; listed; new combination. Australia.
- Mjöberg, 1920: 67 Hamitermes (Monodontermes) Hartmeyeri; key.
- Hill, 1942: 322–323, fig. 238 *Hamitermes (Hamitermes) hartmeyeri*; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 118 Amitermes hartmeyeri; catalog; new combination. Australia.
- Weidner, 1955e: 249 *Amitermes hartmeyeri*; types listed.
- Calaby, 1960: 193 Amitermes hartmeyeri; listed.
- Weidner, 1966a: 222 Amitermes hartmeyeri; types listed.
- Gay, 1968a: 423–424, 442, 455, 457 *Amitermes hartmeyeri*; synonymy; key; soldier described; biology; distribution. Australia.
- Ferrar and Watson, 1970: 101 Amitermes hartmeyeri; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 421 Amitermes hartmeyeri; biology; distribution. Australia.
- Watson et al., 1978b: 102, 105 Amitermes hartmeyeri; distribution; ecology.
- Abensperg-Traun and de Boer, 1990: 226 *Amitermes hartmeyeri*; checklist; ecology; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Amitermes hartmeyeri; foraging; defense.
- Watson and Abbey, 1993b: 59, fig. 90 Amitermes hartmeyeri; distribution map.
- Watson et al., 1998: 205 *Amitermes hartmeyeri*; catalog; synonymy; distribution; ecology. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

## Amitermes hastatus (Haviland, 1898)

Termes hastatus Haviland, 1898: 410 (imago, soldier, worker).

Type data: Syntypes: CUMZ imagoes, soldiers, workers, NHRM imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, nymphs.

Type locality: South Africa: Port Elizabeth.

- Sjöstedt, 1900a: 71, 78, 190–191, pl. 2: fig. I *Eutermes hastatus*; imago, soldier, worker described; soldier figured; key; distribution; new combination. South Africa.
- Sjöstedt, 1904: 31, 36, 46, 84, 115 Eutermes hastatus; imago characters; key; biology; distribution. South Africa.
- Desneux, 1904b: 42 Termes (Eutermes) hastatus; reference list. South Africa.
- Silvestri, 1908: pl. 9: figs. 41, 42 Hamitermes hastatus; listed; new combination.
- Sjöstedt, 1911e: 178, 179 Eutermes hastatus; key.
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) hastatus; listed. South Africa.
- Fuller, 1915: 489–491, pl. 34: fig. 20 *Eutermes hastatus*; soldier, worker described; soldier mandibles figured; biology. South Africa.
- Fuller, 1919: 85, pl. 11: fig. 207 Hamitermes hastatus; trachea of wing venation figured.
- Fuller, 1922: 123, 127 Hamitermes hastatus; soldier key only.
- Hegh, 1922: 86, 177, 208, 470, 499, 695  $\bullet$  Hamitermes hastatus; biology; reference list; distribution.

- Sjöstedt, 1926d: 182, 183, 188 *Amitermes hastatus*; reference list; key; biology; locality; new combination. South Africa; Tanzania.
- Harris, 1936: 366 Hamitermes hastatus; distribution. Tanzania.
- Wheeler, 1936: 229 Amitermes hastatus; ant ecological relationships.
- Harris, 1941: 204 Hamitermes hastatus; distribution.
- Snyder, 1949a: 118, 119 Amitermes hastatus; catalog. South Africa; Tanzania.
- Sands, 1959: 137–139, figs. 2C, 3C, 4D, 5C, 6C *Amitermes hastatus*; synonymy; imago, soldier, worker described and figured, key; distribution. Botswana; Namibia; South Africa.
- Harris, 1961a: 24 Amitermes hastatus; listed.
- Weidner, 1961: 49, fig. 30 Amitermes hastatus; synonymy; soldier mandibles figured.
- Bouillon and Mathot, 1965: 40 Amitermes hastatus; catalog; synonymy. Namibia; South Africa.
- Harris, 1966a: 17 Amitermes hastatus; Haviland's types and type localities listed; biology.
- Bouillon and Mathot, 1971: table: no. 72 Amitermes hastatus; measurements.
- Coaton and Sheasby, 1972: 8 Amitermes hastatus; synonymy.
- Weidner, 1974: 36 Amitermes hastatus; synonymy. Angola.
- Vincke and Tilquin, 1980: 808 Amitermes hastatus; chromosome number.
- Johnson and Wood, 1980: 279-293 Amitermes hastatus; checklist; ecology; distribution.
- Ferrar, 1982e: 147–151 Amitermes hastatus; density; biomass; South African savanna.
- Ferrar, 1982b: 129 Amitermes hastatus; ecology; biology. South Africa.
- Prestwich, 1984a: table 1 Amitermes hastatus; checklist; ecology; defense mode; chemicals; distribution.
- Wanyonyi et al., 1984: 4 Amitermes hastatus; checklist; distribution. Tanzania.
- Sands, 1992: 18, 22, 24, 39–41, figs. 172–199 *Amitermes hastatus*; imago, worker, soldier described and figured; key; phylogeny. South Africa.
- Sands, 1998: 183 Amitermes hastatus; listed; distribution. South Africa.
- Uys, 2002: figs. 159-162 Amitermes hastatus; soldier, nest figured.
- Zeidler et al., 2002: 7-11 Amitermes hastatus; ecology; distribution. Namibia.

Hamitermes runconifer Silvestri, 1908: 77-78 (imago, soldier, worker), pl. 9: figs. 28-40.

Type data: Syntypes: IEA imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, NCIP imago [incorrectly cited as paratype by Ruelle, 1975b].

Type Locality: Botswana: Kalahari: Kooa-Sekgoma.

- Holmgren, 1912a: 91, fig. 62 *Hamitermes (Hamitermes) runconifer*; listed; soldier mandibles figured. Botswana.
- Holmgren, 1913d: 366 Hamitermes runconifer; locality; remarks. South Africa.
- Sjöstedt, 1914d: 85, 89, figs. 1a, 1b Eutermes (Hamitermes) runconifer; nest figured; biology; locality. Namibia.
- Fuller, 1922: 123, 128 Hamitermes runconifer; key; remarks; locality. Botswana.
- Hegh, 1922: 378, 470, 603, 695, fig. 257 Hamitermes runconifer; biology; reference list; distribution.
- Sjöstedt, 1926d: 183, 186 *Amitermes runconifer*; reference list; key; biology; locality; new combination. Botswana; Namibia; South Africa.
- Wheeler, 1936: 229 Amitermes runconifer; ant ecological relationships.
- Snyder, 1949a: 124 Amitermes runconifer; catalog. Namibia; South Africa.
- Weidner, 1956b: 91, 92 Amitermes runconifer; synonymy; locality. Angola.
- Sands, 1959: 137, 138 Hamitermes runconifer; synonymized with hastatus.

Hamitermes hastatus capicola Silvestri, 1914a: 78-80 (imago, soldier, worker), pl. 45: figs. 1-8.

Type data: Syntypes: IEA imagoes, soldiers, workers (South Africa: Cape Province: Stellenbosch), AMNH imago, soldier, worker (South Africa: Cape Province: Stellenbosch), IEA imago, soldier, worker (South Africa: Cape Province: Wellington).

Type localities: South Africa: Cape Province: Stellenbosch, Wellington.

- Fuller, 1922: 124, 126 Hamitermes capicola; key; locality. South Africa.
- Hegh, 1922: 177, 208, 470 *Hamitermes hastatus* var. *capricola* [sic]; biology; reference list; distribution.
- Fuller, 1925b: 174, pl. 16: fig. 6 Hamitermes capicola; imago head anatomy, figured.
- Sjöstedt, 1926d: 182, 188 Amitermes capicola; reference list; key; biology; locality; new combination. South Africa.
- Snyder, 1949a: 115 Amitermes capicola; catalog. South Africa.
- Noirot, 1956: 150 Amitermes capicola; supplementary reproductives.
- Sands, 1959: 137, 138 Hamitermes hastatus var. capicola; synonymized with hastatus.

### Hamitermes atlanticus Fuller, 1922: 128 (imago).

Type data: Lectotype: NCIP king. Paralectotypes: AMNH queen, soldiers, workers, NCIP soldiers.

Lectotype designation: Ruelle, 1975b: 6 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Cape Province: Camps Bay.

- Sjöstedt, 1926d: 190 Amitermes atlanticus; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 114 Amitermes atlanticus; catalog. South Africa.
- Skaife, 1954: 251–271 Amitermes atlanticus; caste development; mound described and figured; ecology.
- Calaby, 1956b: 121 Amitermes atlanticus; associations.
- Sands, 1959: 137, 138 Hamitermes atlanticus; synonymized with hastatus.
- Harris, 1961a: 24 Amitermes atlanticus; listed.
- Ruelle, 1975b: 6 Amitermes atlanticus; types listed.

## Hamitermes gunni Fuller, 1922: 126 (imago, soldier).

Type data: Lectotype: NCIP imago &. Paralectotypes: AMNH imagoes, soldiers, workers, NCIP imagoes, soldiers, workers, USNM imago.

Lectotype designation: Ruelle, 1975b: 6 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Cape Province: Clumber, Trapper Valley.

- Sjöstedt, 1926d: 189 Amitermes Gunni; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 118 Amitermes gunni; catalog. South Africa; Tanzania.
- Sands, 1959: 137, 138 Hamitermes gunni; synonymized with hastatus.
- Ruelle, 1975b: 6 Amitermes gunni; types listed.

### Hamitermes kellyi Fuller, 1922: 126 (imago, soldier).

TYPE DATA: Lectotype: NCIP imago ♂. Paralectotypes: NCIP imagoes, soldiers, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 6 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Cape Province: Grahamstown.

- Sjöstedt, 1926d: 189 Amitermes Kellyi; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 119 Amitermes kellyi; catalog [listed as valid]. South Africa.
- Sands, 1959: 137, 138 Hamitermes kellyi; synonymized with hastatus.

### Hamitermes kenhardti Fuller, 1922: 128 (imago).

Type data: Lectotype: NCIP imago ♂. Paralectotypes: NCIP imagoes, workers, AMNH imagoes, workers, USNM imago, worker.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 6 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Cape Province: Kenhardt District.

- Sjöstedt, 1926d: 190 *Amitermes Kenhardti*; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 119 Amitermes kenhardti; catalog [listed as valid]. South Africa.
- Sands, 1959: 137, 138 Hamitermes kenhardti; synonymized with hastatus.
- Ruelle, 1975b: 6 *Amitermes kenhardti*; types listed.

## Hamitermes libertatis Fuller, 1922: 127 (imago, soldier).

Type data: Lectotype: NCIP imago  $\delta$ . Paralectotypes: NCIP imagoes, soldier, workers, AMNH imagoes, workers.

Lectotype designation: Ruelle, 1975b: 7 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Orange Free State: Bloemfontein.

- Sjöstedt, 1926d: 190 *Amitermes libertatis*; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 120 Amitermes libertatis; catalog [listed as valid]. South Africa.
- Sands, 1959: 137, 138 Hamitermes libertatis; synonymized with hastatus.
- Ruelle, 1975b: 7 Amitermes liberatus; types listed.

## Hamitermes londonensis Fuller, 1922: 126 (imago, soldier).

Type data: Lectotype: NCIP imago ♀. Paralectotypes: NCIP imagoes, soldiers, workers, AMNH imago, soldiers, workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 7 "Hololectotype" [= lectotype] designated. Type locality: South Africa: Cape Province: East London.

- Sjöstedt, 1926d: 189 Amitermes londonensis; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 120 Amitermes londonensis; catalog [listed as valid]. South Africa.
- Sands, 1959: 137, 138 Hamitermes londonensis; synonymized with hastatus.
- Ruelle, 1975b: 7 *Amitermes londonensis*; types listed.

### Hamitermes murraysburgi Fuller, 1922: 128 (imago).

Type data: Lectotype: NCIP imago \( \frac{1}{2} \). Paralectotypes: NCIP imagoes, AMNH imagoes. Lectotype designation: Ruelle, 1975b: 7 "Hololectotype" [= lectotype] designated. Type locality: South Africa: Cape Province: Murraysburg.

- Sjöstedt, 1926d: 190 Amitermes Murraysburgi; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 122 Amitermes murraysburgi; catalog [listed as valid]. South Africa.
- Sands, 1959: 137, 138 Hamitermes murraysburgi; synonymized with hastatus.
- Ruelle, 1975b: 7 Amitermes murraysburgi; types listed.

#### Hamitermes schoombiensis Fuller, 1922: 126 (imago, soldier).

Type data: Lectotype: NCIP imago  $\circ$ . Paralectotypes: NCIP imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

Lестотуре designation: Ruelle, 1975b: 7 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Middleburg District: Schoombie.

- Sjöstedt, 1926d: 190 Amitermes schoombiensis; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 124 Amitermes schoombiensis; [listed as valid]. South Africa.
- Sands, 1959: 137, 138 Hamitermes schoombiensis; synonymized with hastatus.
- Ruelle, 1975b: 7 Amitermes schoombiensis; types listed.

Hamitermes zuurbergi Fuller, 1922: 126 (imago, soldier).

Type data: Lectotype: NCIP imago ♀. Paralectotypes: NCIP imagoes, workers, AMNH imagoes, workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 7 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Cape Province: Zuurberg, Somerset East.

- Sjöstedt, 1926d: 189 *Amitermes Zuurbergi*; reference list; locality; new combination. South
- Snyder, 1949a: 127 Amitermes zuurbergi; catalog [listed as valid]. South Africa.
- Sands, 1959: 137, 138 Hamitermes zuurbergi; synonymized with hastatus.
- Ruelle, 1975b: 67 Amitermes zuurbergi; types listed.
- Tanzania. © DISTRIBUTION: Ethiopian Region—Angola; Botswana; Namibia; South Africa; Tanzania.

## Amitermes herbertensis (Mjöberg, 1920)

*Hamitermes* (*Hamitermes*) *herbertensis* Mjöberg, 1920: 78–81 (imago, soldier, worker), figs. 36c, 37b, 39a, 41c.

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH imago, soldiers, workers, AMNH soldiers, workers [not type locality], AMNH soldiers, workers [not type locality], USNM soldiers, workers, FRI soldiers, workers [not type locality], ZSI worker [not type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 325 "Hololectotype" [= lectotype] designated.

Type locality: Australia: Queensland: Cedar Creek (Ravenshoe).

- Hill, 1942: 323–325, figs. 239, 240 *Hamitermes (Hamitermes) herbertensis*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 119 Amitermes herbertensis; catalog; new combination. Australia.
- Ratcliffe et al., 1952: 109 Hamitermes (Hamitermes) herbertensis; characters; biology; distribution.
- Calaby and Gay, 1959: 222 Amitermes herbertensis; damage.
- Harris, 1961a: 156, 160 Amitermes herbertensis; damage; distribution.
- Mathur and Thapa, 1962a: 38 Amitermes herbertensis; collection catalog. Australia.
- Gay, 1968a: 453, 455 Amitermes hebertensis; keys to imago and soldier.
- Moore, 1968: 37 Amitermes herbertensis; secretions; biochemistry.
- Ferrar and Watson, 1970: 101 Amitermes hebertensis; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 421 Amitermes herbertensis; biology; distribution. Australia.
- Prestwich, 1979b: 465 Amitermes hebertensis; chemical defense; alarm; biochemistry.
- Blum, 1981a: 48 Amitermes hebertensis; defensive secretions; biochemistry.
- Prestwich, 1983b: 293 Amitermes herbertensi [sic]; secretions; biochemistry.
- Prestwich, 1984a: table 1 Amitermes hebertensis; checklist; ecology; defense mode; chemicals; distribution.
- Braekman et al., 1993: 662 Amitermes hebertensis; biochemistry of defensive secretions.
- Watson and Abbey, 1993b: 59, fig. 91 Amitermes herbertensis; distribution map.
- Watson et al., 1998: 205 *Amitermes herbertensis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

# Amitermes heteraspis (Silvestri, 1906)

Eutermes heteraspis Silvestri, 1906: 343-345 (imago, worker), figs. 1-4.

Type data: Syntypes: IEA imago, workers, AMNH imago, workers, MZUF imago. Type locality: Eritrea: Abi Ugri.

- Holmgren, 1912a: 109 Mirotermes heteraspis; listed; new combination.
- Hegh, 1922: 501, 700 Mirotermes heteraspis; reference list; distribution.
- Sjöstedt, 1926d: 275, 278 *Mirotermes heteraspis*; reference list; key; locality. Eritrea.
- Jucci, 1937: 304 Mirotermes heteraspis; distribution.
- Ghidini, 1938: 232 Mirotermes heteraspis; remarks; distribution. Eritrea.
- Snyder, 1949a: 181 Termes heteraspis; catalog; new combination. Eritrea.
- Bouillon and Mathot, 1971: table: no. 337 Termes heteraspis; listed.
- Coaton and Sheasby, 1978b: 2 Amitermes heteraspis; listed; new combination.
- Vanni et al., 1986: 242 Eutermes heteraspis; collection catalog; types listed.
- Cowie et al., 1990: 24, 26, table 1 Termes heteraspis; checklist; distribution. Ethiopia.
- TISTRIBUTION: Ethiopian Region—Eritrea; Ethiopia.

## *Amitermes heterognathus* (Silvestri, 1909)

Hamitermes heterognathus Silvestri, 1909b: 301 (soldier), fig. 157.

Type data: Lectotype: ZMH soldier.

LECTOTYPE DESIGNATION: Weidner, 1966a: 221 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)]. Watson et al., 1998: 205 incorrectly credit Gay, 1968 with lectotype designation.

Type Locality: Australia: Western Australia: "Daydown" (= Serpentine fide Weidner, 1955).

- Holmgren, 1912a: 90 Hamitermes (Monodontermes) heterognathus; listed. Australia.
- Mjöberg, 1920: 67, 89, 125 Hamitermes (Monodontermes) heterognathus; key.
- Hill, 1942: 325–326, fig. 241 *Hamitermes* (*Hamitermes*) *heterognathus*; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 119 Amitermes heterognathus; catalog; new combination. Australia.
- Weidner, 1955e: 249 Amitermes heterognathus; types listed.
- Weidner, 1966a: 221 Amitermes heterognathus; types listed.
- Gay, 1968a: 412, 425–427, 453, 456, figs. 1e, 3e, 6a, b *Amitermes heterognathus*; synonymy; key; imago (previously unknown), soldier described and figured; biology; distribution. Australia.
- Ferrar and Watson, 1970: 101 Amitermes heterognathus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 422 Amitermes heterognathus; biology; distribution. Australia.
- Perry et al., 1985: 74, fig. 4C Amitermes heterognathus; key; soldier figured; biology.
- Abensperg-Traun, 1993: 37 Amitermes heterognathus; foraging; defense.
- Watson and Abbey, 1993b: 60, fig. 92 Amitermes heterognathus; distribution map.
- Watson et al., 1998: 205 *Amitermes heterognathus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Amitermes importunus Sands, 1959

Amitermes importunus Sands, 1959: 139–140 (soldier, worker), figs. 4E, 5D, 6D.

Type data: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers, AMNH soldier, worker, NCIP soldiers.

Type Locality: Malawi (Nyasaland): Central Province: 53 km from Kasungu on the Lilongwe Road.

- Sands, 1959: 139–140, figs. 4E, 5D, 6D *Amitermes importunus*; soldier, worker described and figured; key; distribution. Malawi; Zambia.
- Bouillon and Mathot, 1965: 40 Amitermes importunus; catalog. Malawi; Zambia.
- Bouillon and Mathot, 1971: table: no. 73 Amitermes importunus; measurements.
- Ruelle, 1975b: 7 Amitermes importunus; types listed.
- Nkunika, 1982: 114 Amitermes importunus; ecology; distribution. Zambia.
- Sands, 1992: 18, 22, 25, 41–43, figs. 200–228 *Amitermes importunus*; imago (previously unknown), soldier, worker described and figured; key; phylogeny. Malawi; Zambia; Zimbabwe.
- Sands, 1998: 183, 392, figs. 617, 618 *Amitermes importunus*; gut figured; distribution. Malawi; Zambia; Zimbabwe.
- TISTRIBUTION: Ethiopian Region—Malawi; Zambia; Zimbabwe.

## Amitermes innoxius Gay, 1968

Amitermes innoxius Gay, 1968a: 422-423, 456 (soldier), fig. 6C.

Type data: Holotype: ANIC No. 9097 soldier. Paratypes: ANIC No. 10 10437 soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality], AMNH soldiers, workers.

Type locality: Australia: Western Australia: Eurardy, 90 mi N Geraldton.

- Watson et al., 1978b: 102, 105 Amitermes innoxius; distribution; ecology.
- Watson and Abbey, 1993b: 60, fig. 93 Amitermes innoxius; distribution map.
- Watson et al., 1998: 205 *Amitermes innoxius*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia; Barrow Island.

# Amitermes inops Gay, 1968

Amitermes inops Gay, 1968a: 428-429, 455 (soldier), figs. 6D, 6E.

Type data: Holotype: ANIC No. 9098 soldier. Paratypes: ANIC No. 10 10397 soldier, workers, AMNH soldiers.

Type Locality: Australia: Western Australia: Port Hedland.

- Watson et al., 1978b: 102, 105, 106 Amitermes inops; distribution; ecology.
- Watson and Abbey, 1993b: 61, fig. 94 Amitermes inops; distribution map.
- Watson et al., 1998: 206 Amitermes inops; catalog; synonymy; distribution; ecology. Australia.
- € DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia; Barrow Island.

## Amitermes insolitus Gay, 1968

Amitermes insolitus Gay, 1968a: 429-430, 452, 456 (imago, soldier), figs. 1F, 3F, 6F.

Type data: Holotype: ANIC No. 9099 imago &. Paratypes: ANIC No. 10 9435 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality].

Type locality: Australia: Western Australia: 10 mi N Eneabba.

- Perry et al., 1985: 68, 74, fig. 4D Amitermes insolitus; key; soldier figured; biology.
- Watson and Abbey, 1993b: 61, fig. 95 Amitermes insolitus; distribution map.
- Watson et al., 1998: 206 Amitermes insolitus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes inspissatus Gay, 1968

Amitermes inspissatus Gay, 1968a: 430-432, 455 (soldier), figs. 6G, 6H.

Type data: Holotype: ANIC No. 9100 soldier. Paratypes: ANIC No. 10 10405 soldiers, workers, AMNH soldier, workers.

Type locality: Australia: Western Australia: Port Hedland.

- Watson and Abbey, 1993b: 62, fig. 96 Amitermes inspissatus; distribution map.
- Watson et al., 1998: 206 *Amitermes inspissatus*; catalog; synonymy; distribution; ecology. Australia.
- 🕙 DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes iranicus Ghayourfar, 1999

Amitermes iranicus Ghayourfar, 1999: 20-22 (soldier), fig. 2.

TYPE DATA: Holotype: HMIM soldier [both soldier and worker are designated as "holotype"; a lectotype specimen of one or the other will obviously have to be selected]. Paratypes: HMIM soldier workers.

Type Locality: Iran: Kermanshah.

- Ghayourfar, 1995: 77 *Amitermes iranicus*; nomen nudum; proposed as n. sp. with no characters. Iran: Kermanshah.
- ♠ DISTRIBUTION: Palaearctic Region—Iran.

# Amitermes kharrazii Ghayourfar, 1999

Amitermes kharrazii Ghayourfar, 1999: 22-25 (imago, soldier), figs. 4, 5.

Type data: Holotype: HMIM imago, soldier, worker [imago, soldier, and worker are all designated as "holotypes"; a lectotype specimen of one caste will have to be selected]. Paratypes: HMIM soldiers, workers.

Type locality: Iran: Province of Tehran: Tehran, Karaj, Abyek.

- Ghayourfar, 2005a: 219 Amitermes kharrazii; distribution. Iran.
- Tistribution: Palaearctic Region—Iran.

## Amitermes lanceolatus Gay, 1968

Amitermes lanceolatus Gay, 1968a: 432, 454 (soldier), figs. 6I, 6J, 6K.

Type data: Holotype: ANIC No. 9101 soldier. Paratypes: ANIC No. 10 6804 soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality], AMNH soldier, workers [not type locality].

Type locality: Australia: Western Australia: 10 mi E Wittenoom.

- Ferrar and Watson, 1970: 101 Amitermes lanceolatus; checklist; ecology; distribution.
   Australia.
- Watson and Abbey, 1993b: 62, fig. 97 Amitermes lanceolatus; distribution map.
- Watson et al., 1998: 206 *Amitermes lanceolatus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Australia, Western Australia.

## Amitermes latidens (Mjöberg, 1920)

Hamitermes (Hamitermes) latidens Mjöberg, 1920: 88-89 (soldier), figs. 43a, 44.

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH soldiers, workers, USNM soldier, worker.

LECTOTYPE DESIGNATION: Hill, 1942: 328 "Hololectotype" [= lectotype] designated.

Type Locality: Australia: Queensland: Cape York Peninsula, Alice River.

- Hill, 1942: 327–328, fig. 242 *Hamitermes* (*Hamitermes*) *latidens*; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 119 Amitermes latidens; catalog; new combination. Australia.
- Gay, 1968a: 456 Amitermes latidens; key to soldier.
- Ferrar and Watson, 1970: 101 Amitermes latidens; checklist; ecology; distribution. Australia.
- Watson and Abbey, 1993b: 63, fig. 98 Amitermes latidens; distribution map.
- Watson et al., 1998: 206 *Amitermes latidens*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, Western Australia.

## Amitermes lativentris (Mjöberg, 1920)

Hamitermes (Hamitermes) lativentris Mjöberg, 1920: 86-87 (imago, soldier, worker).

Type data: Lectotype: NHRM imago. Paralectotypes: NHRM imagoes, soldiers, workers, AMNH imagoes, soldier, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 206.

Type locality: Australia: Queensland: Christmas Creek, near Lamington.

- Hill, 1942: 328–329, figs. 243, 244 *Hamitermes (Hamitermes) lativentris*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 120 Amitermes lativentris; catalog; new combination. Australia.
- Roonwal and Pant, 1953: 49 Amitermes lativentris; collection catalog. Australia.
- Mathur and Thapa, 1962a: 38 Amitermes lativentris; collection catalog. Australia.
- Gay, 1968a: 453, 455 Amitermes lativentris; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes lativentris; checklist; ecology; distribution.
   Australia.
- Gay and Calaby, 1970: 422 Amitermes lativentris; biology; distribution. Australia.
- Watson et al., 1978b: 102, 105 Amitermes lativentris; distribution; ecology.
- Watson and Abbey, 1993b: 63, fig. 99 Amitermes lativentris; distribution map.
- Watson et al., 1998: 206–207 Amitermes lativentris; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Western Australia.

# Amitermes laurensis (Mjöberg, 1920)

Hamitermes (Hamitermes) laurensis Mjöberg, 1920: 74-75 (imago, soldier, worker), fig. 36b.

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM imagoes, soldiers, workers, AMNH imagoes, soldier, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 207.

Type Locality: Australia: Queensland: Laura.

- Mjöberg, 1920: 68, 73, fig. 37a Hamitermes (Hamitermes) meridionalis [part]; key; remarks.
- Hill, 1942: 330–333, figs. 245–246, pls. 18, 19 *Hamitermes (Hamitermes) laurensis*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 120 Amitermes laurensis; catalog; new combination. synonymy. Queensland.
- Ratcliffe et al., 1952: 109 Hamitermes (Hamitermes) laurensis; distribution.
- Roonwal and Pant, 1953: 49 Amitermes laurensis; collection catalog. Australia.
- Noirot, 1956: 150 Amitermes laurensis; supplementary reproductives.
- Calaby and Gay, 1959: 219 Amitermes laurensis; nest.
- Mathur and Thapa, 1962a: 38 Amitermes laurensis; collection catalog. Australia.
- Gay, 1968a: 454, 456 Amitermes laurensis; keys to imago and soldier.
- Moore, 1968: 37 Amitermes laurensis; secretions; biochemistry.
- Ferrar and Watson, 1970: 101 Amitermes laurensis; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 422-423 Amitermes laurensis; biology; distribution. Australia.
- Wood and Lee, 1971: 341–366 Amitermes laurensis; ecology; mound distribution.
- Grigg, 1973: 231–237 *Amitermes laurensis*; nest described and figured; north-south orientation; thermoregulation.
- Grigg and Underwood, 1977: 87–94 *Amitermes laurensis*; nest described and figured; north-south orientation.
- Roonwal, 1978d: 169 Amitermes laurensis; biology; distribution.
- Prestwich, 1979b: 465 Amitermes laurensis; chemical defense; biochemistry.
- Blum, 1981a: 45, 46, 48 Amitermes laurensis; defensive secretions; biochemistry.
- Singh and Singh, 1981b: 221, table 5 Amitermes laurensis; checklist; mound density.
- Prestwich, 1983b: 293 Amitermes laurensis; secretions; biochemistry.
- Spain et al., 1983: 166–177 Amitermes laurensis; nest orientation.
- Prestwich, 1984a: table 1 Amitermes laurensis; checklist; ecology; defense mode; chemicals; distribution.
- Holt and Easey, 1985: 61–69 *Amitermes laurensis*; polycalic mounds.
- Okello-Oloya et al., 1985: 291-311 Amitermes laurensis; mound; chemical composition; soils.
- Grigg et al., 1988: 285–289 Amitermes laurensis; magnetism; orientation.
- Roisin, 1990a: 186–189, fig. 1 Amitermes laurensis; soldier, worker described and figured; synonymy. Australia; Papua New Guinea.
- Khalil et al., 1990: 3619–3634 Amitermes laurensis; methane and other gas emissions.
- Jacklyn, 1992: 385–395 Amitermes laurensis; nest; orientation; behavior.
- Braekman et al., 1993: 662 Amitermes laurensis; biochemistry of defensive secretions.
- Watson and Abbey, 1993b: 64, fig. 100 Amitermes laurensis; distribution map, Australia.
- Inoue et al., 1997b: 159–171 Amitermes laurensis; mtDNA sequence; phylogeny.
- Sugimoto et al., 1997: 211, 213, 216, 220 *Amitermes laurensis*; methane and hydrogen emissions. Australia.
- Abensperg-Traun and Perry, 1998: 199 Amitermes laurensis; biology; ecology; distribution.
- Tayasu et al., 1998: 536–542 *Amitermes laurensis*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 207 *Amitermes laurensis*; catalog; synonymy; distribution; ecology. Australia; Papua New Guinea.
- Ozeki et al., 2007: 236–247 *Amitermes laurensis*; CoII; intraspecific phylogeny; mound shape.

*Hamitermes perplexus* Hill, 1922a: 381–388 (imago, soldier, worker), figs. 16–18 [junior secondary homonym of *Amitermes perplexus* Banks, 1920].

Type data: Lectotype: ANIC No. 9167 imago &. Paralectotypes: ANIC imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 207.

Type locality: Australia: Queensland: Townsville.

— Hill, 1942: 330 • Hamitermes perplexus; synonymized with laurensis.

Hamitermes wilsoni Hill, 1922b: 159 [nom. nov. for Hamitermes perplexus Hill, 1922].

- Tillyard, 1926b: pl. 9 Hamitermes wilsoni; nest figured.
- Wheeler, 1936: 203, 208, 209, 228, 230, 231, 235 Amitermes wilsoni; ant ecological relationships; new combination.
- Hill, 1942: 330 Hamitermes wilsoni; synonymized with laurensis.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory: N coastal, Queensland: Gulf of Carpentaria, N Gulf, NE coastal. Papuan Region—Papua New Guinea.

# Amitermes leptognathus Gay, 1968

Amitermes leptognathus Gay, 1968a: 433, 454 (soldier), fig. 7A.

Type data: Holotype: ANIC No. 9102 soldier. Paratypes: ANIC No. 10 10979 soldier, workers, ANIC soldiers, workers [not type locality], AMNH soldier, workers [not type locality]. Type locality: Australia: Northern Terrirory; Sandy Blight Junction (W Alice Springs).

- Watson et al., 1978b: 102, 105 Amitermes leptognathus; distribution; ecology.
- Watson and Abbey, 1993b: 64, fig. 101 Amitermes leptognathus; distribution map.
- Watson et al., 1998: 207 Amitermes leptognathus; catalog; synonymy; distribution; ecology.

  Australia
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

## Amitermes loennbergianus (Sjöstedt, 1911)

*Eutermes loennbergianus* Sjöstedt, 1911a: 2–3 (soldier, worker).

Type data: Syntypes: NHRM soldiers, workers, AMNH soldiers, workers.

Type locality: Kenya (as British East Africa): somewhat north of Guaso Nyero.

- Hegh, 1922: 371, 694 Eutermes lönnbergianus; biology; reference list; distribution.
- Sjöstedt, 1926d: 182, 183, pl. 8: fig. B *Amitermes lönnbergianus*; reference list; key; biology; locality; new combination. Kenya.
- Harris, 1941: 204 Hamitermes lonnbergianus [sic]; distribution; new combination.
- Snyder, 1949a: 120 Amitermes lönnbergianus; catalog; reference list. Kenya.
- Kemp, 1955: 114, 117, 118, 125, 134 *Amitermes lonnbergianus* [sic]; ecology; distribution based on vegetation zones. Tanzania.
- Sands, 1959: 141–143, figs. 2D, 3D, 4F, 5E, 6E *Amitermes lonnbergianus* [sic]; synonymy; imago (previously unknown), soldier described and figured; key; distribution. Kenya; Somalia; Tanzania.
- Bouillon and Mathot, 1965: 40 *Amitermes lönnbergianus*; catalog; synonymy. Eritrea; Kenya; Somalia; Tanzania.
- Bouillon and Mathot, 1971: table: no. 74 Amitermes lönnbergianus; measurements.

- Prestwich, 1979b: 467 Amitermes lönnbergianus; chemical defense; biochemistry.
- Prestwich, 1984a: table 1 Amitermes lönnbergianus; checklist; ecology; defense mode; chemicals; distribution.
- Wanyonyi et al., 1984: 4 Amitermes lönnbergianus; checklist; distribution. Kenya; Tanzania.
- Cowie, 1989a: 158, 160, table 1 *Amitermes lönnbergianus*; checklist; biogeography; distribution. Yemen: South Yemen, North Yemen.
- Cowie et al., 1990: 24, table 1 Amitermes lönnbergianus; checklist; distribution. Ethiopia.
- Sands, 1992: 18, 22, 25, 43–45, figs. 229–253 *Amitermes loennbergianus*; imago, worker, soldier described and figured; key; phylogeny. Eritrea; Ethiopia; Kenya; Somalia; Tanzania; Uganda.
- Sands, 1998: 183, 392, figs. 621, 622 *Amitermes loennbergianus*; gut figured; distribution. Ethiopia; Kenya; Somalia; Tanzania; Uganda.

### Amitermes lacertosus Ghidini, 1941: 32-33 (soldier, worker).

Type data: Syntypes: MCG soldiers, workers, AMNH soldier, workers.

TYPE LOCALITY: Ethiopia: Murlè.

- Snyder, 1949a: 119 Amitermes lacertosus; catalog. Ethiopia.
- Ghidini, 1955: 78–80, fig. 6 *Amitermes lacertosus*; soldier described and figured; locality. Ethiopia.
- Sands, 1959: 141 Amitermes lacertosus; synonymized with loennbergianus.
- Raineri et al., 1993: 531 Amitermes lacertosus; collection catalog; types listed.
- Tistribution: Ethiopian Region—Ethiopia; Eritrea; Kenya; Somalia; Tanzania; Uganda; Yemen: North Yemen, South Yemen.

# †Amitermes lucidus Krishna and Grimaldi, 2009

†Amitermes lucidus Krishna and Grimaldi, 2009: 18-20 (imago), fig. 13, table 5.

Type data: Holotype: AMNH DR 10-1255 imago in amber. Paratype: AMNH Dr 10-1855 imago in amber.

Type locality: Dominican Republic: ?Cordillera Septentrionalis, 30 km NE of Santiago.

- § DISTRIBUTION: Neotropical Region—Dominican Republic.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### Amitermes lunae Scheffrahn and Huchet, 2010

Amitermes lunae Scheffrahn and Huchet, 2010: 65-68 (soldier, worker), figs 1-3.

TYPE DATA: Holotype: FTLD soldier. Paratypes: FTLD soldiers, workers, FSCA soldiers, worker, MNHP soldiers, workers.

TYPE LOCALITY: Peru: Huaca de la Luna archeological site near Trujillo.

§ DISTRIBUTION: Neotropical Region—Peru.

# Amitermes meridionalis (Froggatt, 1898)

Termes meridionalis Froggatt, 1898: 726-728 (soldier, worker), pl. 34: fig. 3.

Type data: Neotype ANIC No. 9077 soldier.

NEOTYPE DESIGNATION: Hill, 1942: 336]: "Holoneotype" [= neotype] designated; retained following discovery of syntypes [ICZN Opinion 1808]; see comments by Watson et al., 1998: 207.

Type locality: Australia: Northern Territory: 19 km S Port Darwin.

- Desneux, 1904b: 43 Termes (Eutermes) meridionalis; reference list. Australia.
- Froggatt, 1905: 11, 27, 29-30 Termes meridionalis; characters; locality. Australia.
- Froggatt, 1907: 26, pl. 3 *Termes meridionalis*; characters; nest figured; locality. Australia [Palmerston only].
- Silvestri, 1909b: 303, pl. 20: figs. 172–174 *Hamitermes meridionalis*; listed; soldier figured; new combination.
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) meridionalis; listed. Australia.
- Mjöberg, 1920: 68, 73, fig. 37a *Hamitermes (Hamitermes) meridionalis* [part]; key; soldier figured; locality. Australia.
- Hill, 1922b: 156, figs. 34, 35 Hamitermes meridionalis; soldier figured; comparisons.
- Hill, 1922a: 384, fig. 20: pl. 9 Hamitermes meridionalis; soldier figured; comparisons.
- Tillyard, 1926b: 106, pl. 9 Hamitermes meridionalis; nest figured.
- Hill, 1935: 16, pl. 1: figs 7, 10, pl. 2: figs. 40, 41, pl. 3: figs. 8, 9 *Hamitermes meridionalis*; imago (previously unknown) described; imago, soldier figured; biology; locality. Australia.
- Emerson, 1937: 245 Amitermes meridionalis; nest figured; new combination.
- Emerson, 1938: 268, fig. 8 Amitermes meridionalis; nest figured; behavior; phylogeny.
- Hill, 1942: 333–336, figs. 247, 248, pl. 17 *Hamitermes (Hamitermes) meridionalis*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 121 Amitermes meridionalis; catalog; reference list. Australia.
- Grassé, 1949: fig. 174 Amitermes meridionalis; nest figured.
- Ratcliffe et al., 1952: 110–111 Hamitermes (Hamitermes) meridionalis; characters; biology; distribution.
- Noirot, 1956: 150 Amitermes meridionalis; supplementary reproductives.
- Calaby and Gay, 1959: 219 Amitermes meridionalis; nest; biology.
- Harris, 1961a: 54, 61, 72, 82 Amitermes meridionalis; distribution.
- Deoras, 1962: 102 Omotermes [sic] meridionalis; biology. Australia.
- Weesner, 1965: 29 Amitermes meridians [sic]; nest.
- Gay, 1968a: 453, 456 Amitermes meridionalis; keys to imago and soldier.
- Gay and Calaby, 1970: 423–426, figs. 7, 8 Amitermes meridionalis; nest figured; biology; distribution. Australia.
- Mathot, 1978: 59 Amitermes meridionalis; collection catalog; types listed.
- Spain et al., 1983: 167-177 Amitermes meridionalis; nest orientation.
- Watson and Gay, 1991: fig. 20.12H Amitermes meridionalis; nest figured.
- Jacklyn, 1992: 385–395 Amitermes meridionalis; nest; orientation; behavior.
- Watson and Abbey, 1993b: 65, fig. 102 Amitermes meridionalis; distribution map.
- Watson, 1994: 14-16 Amitermes meridionalis; proposal to ICZN for retention of neotype.
- ICZN, 1995: 206 *Amitermes meridionalis*; placed on Official List of Specific Names in Zoology, as defined by the neotype, type No. 9077 in ANIC.
- Watson et al., 1998: 207–208 *Amitermes meridionalis*; catalog; synonymy; distribution; ecology. Australia.
- Jacklyn and Munro, 2002: 357–368 *Amitermes meridionalis*; mound architecture; magnetic field.
- Korb, 2003b: 218–223 Amitermes meridionalis; compass mound; mound architecture; thermoregulation.
- 🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory.

## Amitermes messinae (Fuller, 1922)

## Hamitermes messinae Fuller, 1922: 125 (imago).

Type data: Lectotype: NCIP imago ♂. Paralectotypes: AMNH headless imago, workers, NCIP soldier, workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 7 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: South Africa: Transvaal: Messina.

- Sjöstedt, 1926d: 191 Amitermes Messinae; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 121 Amitermes messinae; catalog; reference list. South Africa.
- Sands, 1959: 143–146, figs. 2E, 2F, 3E, 4G, 5F, 6F, 6M *Amitermes messinae*; synonymy; imago, soldier, worker described and figured; key; distribution; *acutidens* and *curvatus* are MS. names only [A. acutidens = A. spinifer; A. curvatus = A. sciangallorum; fide Emerson (in litt. Sands)]. Kenya; Malawi; Tanzania; Yemen.
- Harris, 1961a: 54, fig. 23 Amitermes messinae; soldier figured; distribution.
- Weidner, 1963: 411 *Amitermes messinae*; distribution. Egypt; Kenya; Malawi; South Africa; Tanzania; Yemen: Aden.
- Bouillon and Mathot, 1965: 40 *Amitermes messinae*; catalog; synonymy. Kenya; Malawi; South Africa; Tanzania; Yemen.
- Hocking, 1965: 83 Amitermes messinae; biology; locality. Tanzania.
- Bouillon and Mathot, 1966: 6 Amitermes messinae; catalog. Egypt.
- Harris, 1968c: 2, 12 Amitermes messinae; biology; locality. Sudan.
- Bouillon, 1970: 233 Amitermes messinae; flight records. Tanzania.
- Bouillon and Mathot, 1971: table: no. 75 Amitermes messinae; measurements.
- Prestwich, 1975: 149–152 Amitermes messinae; defensive secretions; biochemistry.
- Roonwal, 1975f: 406, 409 Amitermes messinae; sexual dimorphism.
- Ruelle, 1975b: 7 *Amitermes messinae*; types listed.
- Prestwich, 1979b: 466 Amitermes messinae; chemical defense; biochemistry.
- Johnson and Wood, 1980: 279–293 Amitermes messinae; checklist; ecology; distribution.
- Blum, 1981a: 482, 486 Amitermes messinae; defensive secretions; biochemistry.
- Kaib et al., 1982: 1193–1205 *Amitermes messinae*; trail pheromone; biochemistry; bioassay. Kenya.
- Nkunika, 1982: 114 Amitermes messinae; ecology; distribution. Zambia.
- Chhotani and Bose, 1983: 125 Amitermes messinae; distribution. Arabian Peninsula.
- Prestwich, 1983b: 293 Amitermes messinae; secretions; biochemistry.
- Prestwich, 1984a: table 1 Amitermes messinae; checklist; ecology; defense mode; chemicals; distribution.
- Wanyonyi et al., 1984: 4 *Amitermes messinae*; checklist; distribution. Kenya; Tanzania, Zanzibar Island.
- Chhotani and Bose, 1986: 123 Amitermes messinae; material listed. Saudi Arabia.
- Badawi et al., 1986a: 416, 418 Amitermes messinae; distribution. Saudi Arabia.
- Al-Kady et al., 1987: 186, 193 Amitermes messinae; listed; key; distribution. Saudi Arabia.
- Roonwal and Rathore, 1987: 715–718, figs. 1, 2, 5 *Amitermes messinae*; wing microsculpturing; locality. Oman.
- Cowie, 1989a: 158, 160, table 1 *Amitermes messinae*; checklist; biogeography; distribution. North Yemen; Oman; Saudi Arabia; South Yemen.
- Cowie et al., 1990: 24, table 1 Amitermes messinae; checklist; distribution. Ethiopia.
- Chhotani and Bose, 1991: 258, 261, 264 Amitermes messinae; distribution; key. Saudi Arabia.
- Sands, 1992: 18, 21, 23, 45–47, figs. 254–280 *Amitermes messinae*; imago, worker, soldier described and figured; key; synonymy; phylogeny. Saudi Arabia; South Africa; Yemen.
- Braekman et al., 1993: 662 Amitermes messinae; biochemistry of defensive secretions.

- Ghayourfar, 1993: 22-23, 109-111 Amitermes messinae; comparisons. Iran.
- Sands, 1998: 183, 392, 393, figs. 619, 620, 630 Amitermes messinae; gut figured; distribution. South Africa; Yemen and many locations throughout East Africa.
- Darlington et al., 2001: 527–538 Amitermes messinae; ecology; distribution. Kenya.
- Faragalla, 2002: 203 Amitermes messinae; checklist; ecozoogeography. Saudi Arabia.

Amitermes harleyi Harris, 1957c: 425-427 (soldier, worker), fig. 2.

Type data: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers, AMNH soldier, worker.

Type locality: Yemen: Abyan, in the Wadi Bana near Ga'ar.

- Roonwal, 1962b: 40 Amitermes horlyi [sic]; species list.
- Sands, 1959: 143 Amitermes harleyi; synonymized with messinae.
- ◆ DISTRIBUTION: Ethiopian Region—Ethiopia; Kenya; Malawi; South Africa; Sudan; Tanzania; Yemen: South Yemen; Zambia. ◆ Palaearctic Region—Egypt; Iran; Saudi Arabia.

## Amitermes minimus Light, 1932

Amitermes (Amitermes) minimus Light, 1932e: 377-378 (imago), pl. 9: figs. 3, 4, 7, N, Q.

TYPE DATA: Lectotype: USNM imago. Paralectotypes: AMNH imagoes.

LECTOTYPE DESIGNATION: Constantino, 1998b: 198 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: USA: Texas: Brownsville.

- Banks and Snyder, 1920: 59, 184 Amitermes wheeleri [Brownsville and San Antonio = minimus].
- Snyder, 1924i: 33, pl. 1: fig. 9, pl. 4: figs. 27, 28 *Amitermes wheeleri* [misidentification]; imago described and figured. USA: Texas.
- Light, 1930a: 195–199, figs. AA–EE, pl. 11: fig. 3, pl. 12: fig. 6, pl. 13: figs. 3, 9 *Amitermes wheeleri* [misidentification]; second form queen, soldier, worker described; soldier figured; key; biology; distribution. USA: Arizona, California.
- Light, 1930b: 216, 218 Amitermes wheeleri [misidentification]; key; distribution. USA: Arizona, California.
- Light, 1931b: 5, 9 Amitermes wheeleri [misidentification]; locality; discussion. USA: Nevada.
- Light, 1934e: 203, 204, 205, fig. f Amitermes (Amitermes) minimus; key; soldier mandibles figured; distribution. USA: Arizona, California, Nevada, Texas.
- Light, 1934d: 131 Amitermes (Amitermes) minimus; distribution. USA: Arizona, California, Nevada, Texas.
- Light, 1934l: 160 Amitermes (Amitermes) minimus; locality. USA: Arizona.
- Hungate, 1946a: 51–56 Amitermes minimus; cellulose digestion.
- Snyder, 1949a: 121 Amitermes minimus; catalog; reference list. USA: Arizona, California, Nevada, Texas.
- Weesner, 1965: 58, 60, 62, figs. 18, 19 *Amitermes minimus*; key; characters; imago head, forewing, soldier mandibles figured; biology; distribution.
- Gisler, 1967: 85, 93, 144 Amitermes minimus; protozoa. USA: California.
- Nutting, 1969c: 322 Amitermes minimus; flight; distribution. USA: Arizona.
- Weesner, 1970: 512, 513 Amitermes minimus; biology.
- Araujo, 1977c: 57, 58 Amitermes minimus; catalog. USA: Arizona, California, Nevada, Texas.
- Nutting, 1979b: 143 Amitermes minimus; swarming period.
- Scheffrahn et al., 1984: 1136–1137 Amitermes minimus; defensive secretions; biochemistry.
- Nutting, 1990a: 1027, 1029, fig. 33.10 Amitermes minimus; key; imago, soldier figured.

- Braekman et al., 1993: 662 Amitermes minimus; biochemistry of defensive secretions.
- Poole and Gentili, 1997: 495, 496 Amitermes minimus; distribution. North America.
- Constantino, 1998b: 198 Amitermes minimus; catalog. USA: Arizona, California, Nevada, Texas.
- § DISTRIBUTION: Nearctic Region—USA: Arizona, California, Nevada, Texas.

## Amitermes mitchelli Sands, 1992

Amitermes mitchelli Sands, 1992: 47-48 (imago, soldier, worker), figs. 281-309.

Type data: Holotype: NMBZ imago ♀. Paratypes: NMBZ imagoes, soldiers workers, BMNH imagoes, soldiers, workers, NMBZ imagoes, soldiers, workers [not type colony and type locality].

Type locality: Zimbabwe: Chiredzi: Nyazugwi.

- Sands, 1998: 183 Amitermes mitchelli; key; listed; distribution. Zimbabwe.
- TISTRIBUTION: Ethiopian Region—Zimbabwe.

### Amitermes modicus (Hill, 1942)

Hamitermes (Hamitermes) modicus Hill, 1942: 357-358 (soldier), fig. 270.

Type data: Holotype: ANIC No. 9082 soldier. Paratypes: ANIC No. 10 3858 nymphs, soldiers, worker. AMNH soldiers, workers.

Type LOCALITY: Australia: New South Wales: Griffith.

- Snyder, 1949a: 122 Amitermes modicus; catalog; new combination. Australia.
- Calaby, 1956a: 90 Amitermes modicus; biology; localities. Australia.
- Calaby, 1956b: 120 *Amitermes modicus*; associations.
- Gay, 1968a: 418, 433–435, 453, 456, figs. 2a, 3g *Amitermes modicus*; synonymy; key; imago (previously unknown), soldier described and figured; biology; distribution. Australia.
- Ferrar and Watson, 1970: 101 Amitermes modicus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 426 Amitermes modicus; biology; distribution. Australia.
- Perry et al., 1985: 68, 74, fig. 4E Amitermes modicus; key; soldier figured; biology.
- Watson and Abbey, 1993b: 65, fig. 103 Amitermes modicus; distribution map.
- Watson et al., 1998: 208 Amitermes modicus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, South Australia, Victoria, Western Australia.

# Amitermes neogermanus (Hill, 1922)

Hamitermes neogermanus Hill, 1922a: 390-391 (soldier, worker), fig. 22.

Type data: Lectotype: SAMA soldier. Paralectotypes: SAMA nymphs, workers.

LECTOTYPE DESIGNATION: Hill, 1942: 338 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: South Australia: Mt. Lofty Range.

- Froggatt, 1898: 726 Termes meridionalis [misidentification; New South Wales = neogermanus].
- Froggatt, 1905: 11, 27, 29 Termes meridionalis [misidentification; New South Wales = neogermanus].
- Mjöberg, 1920: 68, 73 Hamitermes meridionalis [misidentification; South Australia and New South Wales = neogermanus].

- Hill, 1935: 14–16, pl. 1: figs. 1, 2, 3, 6, pl. 33: figs 4, 5 *Hamitermes neogermanus*; imago (previously unknown) described and figured; biology; locality. Australia.
- Hill, 1938: 355 Hamitermes neogermanus; biology; distribution. Australia.
- Hill, 1942: 336–338, figs. 249, 250 *Hamitermes (Hamitermes) neogermanus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 122 Amitermes neogermanus; catalog; synonymy; new combination. Australia.
- Ratcliffe et al., 1952: 106, 11N Hamitermes (Hamitermes) neogermanus; soldier figured; characters; biology; distribution.
- Roonwal and Pant, 1953: 49 Amitermes neogermanus; collection catalog. Australia.
- Calaby and Gay, 1959: 219 Amitermes neogermanus; biology.
- Mathur and Thapa, 1962a: 38 Amitermes neogermanus; collection catalog. Australia.
- Gay, 1968a: 446, 453-454 Amitermes neogermanus; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes neogermanus; checklist; ecology; distribution.
   Australia.
- Gay and Calaby, 1970: 426 Amitermes neogermanus; biology; distribution. Australia.
- Abensperg-Traun and de Boer, 1990: 219–226 *Amitermes neogermanus*; checklist; ecology; biomass; habitat; distribution. Australia.
- Watson and Gay, 1991: fig. 20.15H Amitermes neogermanus; soldier figured.
- Abensperg-Traun, 1993: 37 Amitermes neogermanus; foraging; defense.
- Watson and Abbey, 1993b: 66, fig. 104 Amitermes neogermanus; distribution map.
- Abensperg-Traun and Perry, 1998: 199 Amitermes neogermanus; biology; ecology; distribution.
- Watson et al., 1998: 208 Amitermes neogermanus; catalog; synonymy; distribution; ecology.
   Australia.

Hamitermes perplexus victoriensis Hill, 1922a: 388-389 (king, queen, soldier, worker), fig. 21.

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH soldier, workers, nymphs. Lectotype designation: Watson et al., 1998: 208.

Type locality: Australia: Victoria: Preston.

- Hill, 1925c: 91, fig. 6 *Hamitermes wilsoni* var. *victoriensis*; imago, soldier described; soldier figured. Australia.
- Hill, 1935: 15 Hamitermes wilsoni victoriensis; tentatively synonymized with neogermanus.
- Hill, 1942: 336 Hamitermes perplexus victoriensis; synonymized with neogermanus.
- © DISTRIBUTION: Australian Region—Australia: Australian Capital Territory, New South Wales, Queensland, South Australia, Victoria, Western Australia.

### Amitermes nordestinus Mélo and Fontes, 2003

Amitermes nordestinus Mélo and Fontes, 2003: 411-418 (soldier), figs. 1-6.

Type data: Holotype: UFPB 1317 soldier. Paratypes: UFPB soldier, workers, UEFS soldiers, workers, L.R. Fontes personal collection, Brazil soldier workers, UFPB soldiers, workers [not type colony], L.R. Fontes personal collection, Brazil soldiers and workers [not type colony], UEFS soldier, workers [not type colony], UFPB soldiers, workers, UEFS soldiers, worker, L.R. Fontes personal collection, Brazil soldiers workers.

Type Locality: Brazil: State of Bahia: Itaberaba.

- Sena et al., 2003: 756, table 1 Amitermes nordestinus; checklist; ecology; distribution. Brazil.
- Mélo and Bandeira, 2004: 711, table 1 Amitermes nordestinus; ecology; distribution. Brazil: Paraíba.
- Miranda et al., 2004: 237-241 Amitermes nordestinus; abundance; feeding habits; damage. Brazil.
- TISTRIBUTION: Neotropical Region—Brazil: Alagoas, Bahia, Paraíba.

## Amitermes obeuntis (Silvestri, 1909)

Hamitermes obeuntis Silvestri, 1909b: 301-303 (queen, soldier, worker), figs. 158-171.

Type data: Lectotype: ZMH soldier. Paralectotypes: ZMH worker, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Weidner, 1966a: 221; Watson et al., 1998: 209 [invalid lectotype designation].

Type locality: Australia: Western Australia: Serpentine.

- Holmgren, 1912a: 91 Hamitermes (Hamitermes) obeuntis; listed. Australia.
- Mjöberg, 1920: 68, 120 Hamitermes (Hamitermes) obeuntis; key.
- Hill, 1922a: 395, figs. 27, 28 Leucotermes clarki [imago, worker description only]. Australia.
- Hill, 1927b: 49, 93 Hamitermes obeuntis; listed.
- Hill, 1932a: 143 Hamitermes obeuntis; listed.
- Hill, 1935: 18 Hamitermes obeuntis; biology; locality. Australia.
- Hill, 1942: 339–341, figs. 251, 252 *Hamitermes* (*Hamitermes*) *obeuntis*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 122 Amitermes obeuntis; catalog; new combination. Australia.
- Ratcliffe et al., 1952: 109 Hamitermes (Hamitermes) obeuntis; characters; biology; distribution.
- Roonwal and Pant, 1953: 50 Amitermes obeuntis; collection catalog. Australia.
- Weidner, 1955e: 249 Amitermes obeuntis; types listed.
- Calaby, 1956b: 116, 120 *Amitermes obeuntis*; associations.
- Noirot, 1956: 150 Amitermes obeuntis; supplementary reproductives.
- Calaby and Gay, 1959: 219 Amitermes obeuntis; biology.
- Harris, 1961a: 157, 160 Amitermes obeuntis; damage; distribution.
- Mathur and Thapa, 1962a: 38 Amitermes obeuntis; collection catalog. Australia.
- Weidner, 1966a: 221 Hamitermes obeuntis; types listed.
- Gay, 1968a: 453, 456 Amitermes obeuntis; keys to imago and soldier.
- Gay and Calaby, 1970: 426–427 Amitermes obeuntis; biology; distribution. Australia.
- Gay, 1974: 280 Amitermes obeuntis; host.
- Perry et al., 1985: 68, 74, 75, fig. 4G Amitermes obeuntis; key; soldier figured; biology.
- Abensperg-Traun and de Boer, 1990: 219–226 *Amitermes obeuntis*; checklist; ecology; biomass; habitat: distribution. Australia.
- Abensperg-Traun, 1993: 37 Amitermes obeuntis; foraging; defens.
- Watson and Abbey, 1993b: 66, fig. 105 Amitermes obeuntis; distribution map.
- Abensperg-Traun and Perry, 1998: 194, 199, fig. 1, pl. 2 Amitermes obeuntis; biology; ecology; nest figured; distribution.
- Watson et al., 1998: 208–209 *Amitermes obeuntis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Amitermes obtusidens (Mjöberg, 1920)

*Hamitermes* (*Hamitermes*) *obtusidens* Mjöberg, 1920: 83–86 (imago, soldier, worker), figs. 40b, 42a.

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH imagoes, soldier, workers, ANIC imago ♀, USNM imago.

LECTOTYPE DESIGNATION: Hill, 1942: 343 "Hololectotype" [= lectotype] designated.

Type locality: Australia: Queensland: Colosseum.

— Hill, 1942: 341–343, figs. 253, 254 • *Hamitermes (Hamitermes) obtusidens*; imago, soldier described and figured; synonymy; distribution; biology. Australia.

- Snyder, 1949a: 122, 123 Amitermes obtusidens; catalog; new combination. Australia.
- Harris, 1961a: 97, 106 *Amitermes obtusidens*; damage; distribution [Hill incorrectly listed as author].
- Gay, 1968a: 454-455 Amitermes obtusidens; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes obtusidens; checklist; ecology; distribution. Australia.
- Watson et al., 1973: 122 Amitermes obtusidens; biology.
- Watson et al., 1978b: 102, 105, 106 Amitermes obtusidens; distribution; ecology.
- Perry et al., 1985: 74, 75 Amitermes obtusidens; biology; distribution.
- Watson and Abbey, 1993b: 67, fig. 106 Amitermes obtusidens; distribution map.
- Watson et al., 1998: 209 *Amitermes obtusidens*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Western Australia.

## Amitermes pallidiceps Gay, 1969

**Amitermes pallidiceps** Gay, 1969a: 112 [nom. nov. for Amitermes pallidus Gay, 1968, since the species name is preoccupied by Amitermes pallidus Light, 1932e].

- Perry et al., 1985: 68, 75, fig. 4H Amitermes pallidiceps; key; soldier figured; biology.
- Watson and Abbey, 1993b: 67, fig. 107 Amitermes pallidiceps; distribution map.
- Watson et al., 1998: 209 Amitermes pallidiceps; catalog; synonymy; distribution; ecology.
   Australia.

Amitermes pallidus Gay, 1968a: 435–436 (imago, soldier), figs. 2B, 3H, 7B [junior homonym of Amitermes pallidus Light, 1932e].

Type data: Holotype: ANIC No. 9103 imago &. Paratypes: ANIC No. 10 8328 imagoes, soldiers, workers, nymphs, ANIC soldier [not type locality], AMNH imagoes, soldiers, workers. Type locality: Australia: Western Australia: 1 mi N Upper Swan.

© DISTRIBUTION: Australian Region—Australia: Western Australia.

### Amitermes pallidus Light, 1932

Amitermes (Amitermes) pallidus Light, 1932e: 385–387 (imago), figs. R, S [Light, 1933: 385 described this new species for imagoes described by Banks, 1920: 63 as Amitermes californicus. According to Light, Banks' specimens were a mixed lot].

Type data: Lectotype: USNM imago. Paralectotypes: AMNH imagoes.

LECTOTYPE DESIGNATION: Constantino, 1998b: 198 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: USA: Arizona: Sabino Canyon.

- Banks and Snyder, 1920: 62, 186 *Amitermes californicus* [imago = *pallidus*]; imago described; biology.
- Light, 1934e: 203, 204 Amitermes (Amitermes) pallidus; key; distribution. USA: Arizona.
- Light, 1934d: 131 Amitermes (Amitermes) pallidus; distribution. USA: Arizona.
- Light and Weesner, 1948: 64 Amitermes pallidus; comparisons.
- Snyder, 1949a: 123 Amitermes pallidus; catalog; reference list. USA: Arizona.
- Weesner, 1965: 62 Amitermes pallidus; listed.
- Nutting, 1969c: 322 Amitermes pallidus; flight; distribution. USA: Arizona.

- Weesner, 1970: 513 Amitermes pallidus; biology.
- Araujo, 1977c: 58 Amitermes pallidus; catalog. USA: Arizona, California.
- Nutting, 1979b: 143 Amitermes pallidus; swarming period.
- Nutting, 1990a: 1027, fig. 33.11 Amitermes pallidus; key; imago figured.
- Poole and Gentili, 1997: 495, 496 Amitermes pallidus; distribution. North America.
- Constantino, 1998b: 198 Amitermes pallidus; catalog. USA: Arizona.
- § DISTRIBUTION: Nearctic Region—USA: Arizona.

# Amitermes pandus Gay, 1968

Amitermes pandus Gay, 1968a: 436-438, 455 (soldier), fig. 7C.

Type data: Holotype: ANIC No. 9104 soldier. Paratypes: ANIC No. 10 10431 soldier, workers, ANIC soldiers, workers [not type locality], AMNH soldier, workers.

Type locality: Australia: Western Australia: 56 mi N Northampton, at 400 mile peg on Northhampton-Carnarvon road.

- Watson and Abbey, 1993b: 68, fig. 108 Amitermes pandus; distribution map.
- Watson et al., 1998: 209 Amitermes pandus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Amitermes papuanus Roisin, 1990

Amitermes papuanus Roisin, 1990a: 189-190 (soldier, worker), fig. 2.

Type data: Holotype: RIB soldier. Paratypes: RIB soldiers, workers.

Type Locality: Papua New Guinea: Western Province: Morehead [08°43′S, 141°39′E].

- Braekman et al., 1993: 661-666 Amitermes papuanus; biochemistry of defensive secretions.
- © DISTRIBUTION: Papuan Region—Papua New Guinea.

## Amitermes paradentatus Ahmad, 1955

Amitermes paradentatus Ahmad, 1955b: 257-259 (soldier, worker), fig. 42.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, AMNH soldiers, workers. Type locality: Pakistan: Sind: Dadu District: Budhapur.

- Ahmad, 1958: 178 Amitermes paradenticulatus [sic]; key.
- Weidner, 1960a: 58 Amitermes paradentatus; remarks.
- Ahmad, 1965: 73 Amitermes paradentatus; comparisons.
- Chaudhry et al., 1972: 69, fig. 66 *Amitermes paradentatus*; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 103 Amitermes paradentatus; distribution. Pakistan.
- Akhtar, 1974a: 59 Amitermes paradentatus; comparisons.
- Sen-Sarma, 1974: 455 Amitermes paradentatus; ecology and biogeography. India; Pakistan.
- Ahmad, 1986: 17 Amitermes paradentatus; distribution. Pakistan: Sind.
- Akhtar and Iftikhar, 1997: 49, 52, fig. 2c Amitermes paradentatus; digestive tube morphology; enteric valve figured.
- Chhotani, 1997: 113–114, fig. 53 *Amitermes paradentatus*; soldier described and figured; synonymy; key. Pakistan.
- Ahmad and Akhtar, 2002: 55 Amitermes paradentatus; catalog. Pakistan.
- © DISTRIBUTION: Oriental Region—Pakistan.

## Amitermes parallelus Gay, 1968

Amitermes parallelus Gay, 1968a: 438-439, 456 (soldier), fig. 7D.

Type data: Holotype: ANIC No. 9105 soldier. Paratypes: ANIC No. 10 8158 soldiers, workers, nymphs, AMNH soldiers, workers.

Type locality: Australia: Western Australia: Throssel Range, near Currumcurrum Rock Hole.

- Watson and Abbey, 1993b: 68, fig. 109 Amitermes parallelus; distribution map.
- Watson et al., 1998: 209–210 *Amitermes parallelus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes paravilis Raven and Akhtar, 1999

Amitermes paravilis Ravan and Akhtar, 1999a: 81-84 (soldier, worker), fig. 9.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, ZUPL soldier, workers [not type locality], ZUPL soldiers, workers [not type locality], ZUPL soldiers, workers [not type locality].

Type locality: Iran: Dezful.

- Ravan and Akhtar, 1998: 9–26 Amitermes paravilis; nomen nudum; feeding; ecology; distribution. Iran.
- Tistribution: Palaearctic Region—Iran.

## Amitermes parvidens Gay, 1968

Amitermes parvidens Gay, 1968a: 439, 455 (soldier), figs. 7E, 7F.

Type data: Holotype: ANIC No. 9106 soldier. Paratypes: ANIC No. 10 9179 soldiers, workers, ANIC soldiers, workers [not type locality], AMNH soldier, worker [not type locality].

Type locality: Australia: Western Australia: 68 mi NNE Kalgoorlie.

- Watson and Abbey, 1993b: 69, fig. 110 Amitermes parvidens; distribution map.
- Watson et al., 1998: 210 Amitermes parvidens; catalog; synonymy; distribution; ecology.
   Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes parvulus Light, 1932

Amitermes (Amitermes) parvulus Light, 1932e: 379-380 (imago, soldier), figs. Z, AA, WW.

Type data: Syntypes: AMNH imagoes, soldiers [Light did not designate a holotype], workers, USNM imagoes, soldiers ["holotype" mentioned by Constantino,1998b, incorrectly, as no caste specified].

Type locality: USA: Texas: San Antonio.

- Banks, 1920: 56 Amitermes arizonensis [part: imago]. USA: Arizona.
- Light, 1934e: 203, 204 Amitermes (Amitermes) parvulus; key; distribution. USA: Arizona.
- Light, 1934d: 131 Amitermes (Amitermes) parvulus; distribution. USA: Arizona.
- Snyder, 1949a: 123 Amitermes parvulus; catalog; reference list. USA: Arizona.
- Weesner, 1965: 58, 62 Amitermes parvulus; key; characters; distribution.
- Nutting, 1969c: 322 Amitermes parvulus; flight; remarks; distribution.

- Weesner, 1970: 513 Amitermes parvulus; biology.
- Araujo, 1977c: 58 Amitermes parvulus; catalog. USA: Arizona, Texas.
- Nutting, 1990a: 1027, 1029, fig. 33.12 Amitermes parvulus; key; imago, soldier figured.
- Poole and Gentili, 1997: 495, 496 Amitermes parvulus; distribution. North America.
- Constantino, 1998b: 198 Amitermes parvulus; catalog. USA: Arizona, Texas.
- Fontes, 1998: 364 Amitermes parvulus; catalog; distribution. USA: Arizona, Texas; Mexico.
- Tistribution: Nearctic Region—USA: Arizona, Texas; Mexico.

## Amitermes parvus (Hill, 1922)

Hamitermes parvus Hill, 1922a: 378–381 (imago, soldier, worker), figs. 13–15.

Type data: Lectotype: AMNH imago ♂. Paralectotypes: AMNH imagoes, soldier, workers, NMV imago ♀, worker.

LECTOTYPE DESIGNATION: Hill, 1942: 344 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Queensland: Townsville.

- Hill, 1942: 343–344, figs. 255, 256 *Hamitermes (Hamitermes) parvus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 123 Amitermes parvus; catalog; new combination. Australia.
- Gay, 1968a: 430, 452, 454 Amitermes parvus; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes parvus; checklist; ecology; distribution. Australia.
- Watson and Abbey, 1993b: 69, fig. 111 Amitermes parvus; distribution map.
- Watson et al., 1998: 210 Amitermes parvus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory: Groote Eylandt, Rimbija Island, Queensland, Western Australia.

# Amitermes paucinervius (Silvestri, 1908)

Eutermes paucinervius Silvestri, 1908: 81 (imago), pl. X: figs. 61-65.

Type data: Holotype: IEA imago.

Type locality: Botswana: Kalahari: Khakhea.

- Holmgren, 1912a: 64 ?Eutermes (Subulitermes) paucinervius; listed. Botswana.
- Fuller, 1922: 114, 123, 127 Hamitermes paucinervius; synonymy; key; locality; new combination. Botswana.
- Hegh, 1922: 371, 692 Eutermes (Subulitermes) paucinervius; reference list; distribution.
- Sjöstedt, 1926d: 189 Amitermes paucinervius; reference list; locality; new combination.
   Botswana: Kalahari.
- Snyder, 1949a: 123 Amitermes paucinervius; catalog; reference list. South Africa.
- Bouillon and Mathot, 1965: 41 Amitermes paucinervius; listed; remarks.
- ♠ DISTRIBUTION: Ethiopian Region—Botswana.

# Amitermes pavidus (Hill, 1942)

Hamitermes (Hamitermes) pavidus Hill, 1942: 358-360 (imago, soldier), figs. 271, 272.

Type data: Holotype: ANIC No. 9083 imago  $\,^{\circ}$ . Paratypes: ANIC No. 10 251 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

Type locality: Australia: Queensland: Townsville.

- Snyder, 1949a: 123 Amitermes pavidus; catalog; reference list. Australia.
- Gay, 1968a: 439–440, 452, 454 *Amitermes pavidus*; synonymy; key; soldier described; biology; distribution. Australia.
- Watson et al., 1978b: 102, 105 Amitermes pavidus; distribution; ecology.
- Watson and Abbey, 1993b: 70, fig. 112 Amitermes pavidus; distribution map.
- Watson et al., 1998: 210 Amitermes pavidus; catalog; synonymy; distribution; ecology. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

## *Amitermes perarmatus* (Silvestri, 1909)

Monodontermes perarmatus Silvestri, 1909b: 300–301 (soldier), figs. 143–146.

Type data: Lectotype: ZMH soldier.

LECTOTYPE DESIGNATION: Weidner, 1966a: 222 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6); Gay, 1968a incorrectly credited with lectotype designation by Watson et al., 1998: 210].

Type locality: Australia: Western Australia: Yalgoo.

- Holmgren, 1912a: 90 *Hamitermes (Monodontermes) perarmatus*; listed; new combination.
- Mjöberg, 1920: 67, 125 Hamitermes (Monodontermes) perarmatus; key.
- Hill, 1942: 344–345, fig. 257 *Hamitermes* (*Hamitermes*) *perarmatus*; soldier described and figured; synonymy; distribution. Australia.
- Snyder, 1949a: 123 Amitermes perarmatus; catalog; new combination. Australia.
- Weidner, 1955e: 249 Amitermes perarmatus; types listed.
- Weidner, 1966a: 222 Amitermes perarmatus; types listed.
- Gay, 1968a: 426, 432, 440–442, 454, 457, figs. 2c, 3i Amitermes perarmatus; synonymy; key; imago (previously unknown), soldier described and figured; biology; distribution. Australia.
- Ferrar and Watson, 1970: 101 Amitermes perarmatus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 427 Amitermes perarmatus; biology; distribution. Australia.
- Watson et al., 1973: 122 Amitermes perarmatus; biology.
- Watson et al., 1978b: 102, 105, 106 Amitermes perarmatus; distribution; ecology.
- Abensperg-Traun and de Boer, 1990: 219–226 *Amitermes perarmatus*; checklist; ecology; biomass; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Amitermes perarmatus; foraging; defense.
- Watson and Abbey, 1993b: 70, fig. 113 Amitermes perarmatus; distribution map.
- Watson et al., 1998: 210–211 *Amitermes perarmatus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, South Australia, Western Australia.

## *Amitermes perelegans* (Hill, 1935)

Hamitermes perelegans Hill, 1935: 25–27 (imago, soldier, worker), figs. 27–31.

Type data: Lectotype: ANIC No. 9078 imago \( \text{?}\). Paralectotypes: ANIC No. 10 1173 imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [not type locality], ANIC imagoes, soldiers, workers [not type locality], AMNH imagoes, soldiers, workers [not type locality], AMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [not type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 347 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: Marrakai.

- Hill, 1942: 345–347, figs. 258–260 Hamitermes (Hamitermes) perelegans; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 124 Amitermes perelegans; catalog; new combination. Australia.
- Calaby, 1956a: 91 Amitermes perelegans; biology; localities. Australia.
- Gay, 1968a: 414, 428, 438, 444, 453, 456 Amitermes perelegans; keys to imago and soldier.
- Watson and Abbey, 1993b: 71, fig. 114 Amitermes perelegans; distribution map. Australia.
- Inoue et al., 1997b: 159–171 Amitermes perelegans; mtDNA sequences; phylogeny.
- Sugimoto et al., 1997: 211, 213, 216, 220 *Amitermes perelegans*; methane and hydrogen emissions. Australia.
- Tayasu et al., 1998: 536–542 *Amitermes perelegans*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 211 Amitermes perelegans; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory: Melville Island, Queensland, Western Australia.

# Amitermes perryi Gay, 1968

Amitermes perryi Gay, 1968a: 442-444, 452, 456 (imago, soldier), figs. 2D, 3J, 7G.

Type data: Holotype: ANIC No. 9107 imago ♀. Paratypes: ANIC No. 10 10510 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

Type Locality: Australia: Western Australia: Badgingarra.

- Watson and Abbey, 1993b: 71, fig. 115 Amitermes perryi; distribution map.
- Watson et al., 1998: 211 Amitermes perryi; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes procerus Gay, 1968

Amitermes procerus Gay, 1968a: 444-446, 453, 455 (imago, soldier), figs. 2E, 3K, 8A.

Type data: Holotype: ANIC No. 9108 imago & Paratypes: ANIC No. 10 7830 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers, ANIC soldiers, workers [several series from non-type localities].

Type locality: Australia: Western Australia: 3 mi NNE Kojonup.

- Abensperg-Traun and de Boer, 1990: 219–226 *Amitermes procerus*; checklist; ecology; biomass; habitat; distribution. Australia.
- Watson and Abbey, 1993b: 72, fig. 116 Amitermes procerus; distribution map.
- Watson et al., 1998: 211 *Amitermes procerus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, South Australia, Western Australia.

## Amitermes quadratus Gay, 1968

Amitermes quadratus Gay, 1968a: 446-447, 456 (soldier), figs. 8B, 8C.

Type data: Holotype: ANIC No. 9109 soldier. Paratypes: ANIC No. 10 7007 soldiers, workers, AMNH soldiers, workers, ANIC soldiers, workers [several series from non-type localities].

Type Locality: Australia: Western Australia: 30 mi NE Meekatharra.

- Watson and Abbey, 1993b: 71, fig. 117 Amitermes quadratus; distribution map.
- Watson et al., 1998: 211 Amitermes quadratus; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Amitermes ravus (Hill, 1942)

Hamitermes (Hamitermes) ravus Hill, 1942: 360-361 (soldier), fig. 273.

Type data: Holotype: ANIC No. 9084 soldier. Paratypes: ANIC No. 10 165 soldiers, workers, AMNH soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, worker [two series from non-type localities].

Type Locality: Australia: Queensland: Rollingstone.

- Snyder, 1949a: 124 Amitermes ravus; catalog; new combination. Australia.
- Gay, 1968a: 455 (errata) Amitermes ravus; key to soldier.
- Watson and Abbey, 1993b: 73, fig. 118 Amitermes ravus; distribution map.
- Watson et al., 1998: 211–212 Amitermes ravus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

## Amitermes rotundus Gay, 1968

Amitermes rotundus Gay, 1968a: 447–448, 455 (soldier), figs. 8B, 8C.

Type data: Holotype: ANIC No. 9110 soldier. Paratypes: ANIC soldiers, workers, AMNH soldier, workers.

Type locality: Australia: Western Australia: Port Hedland.

- Watson and Abbey, 1993b: 73, fig. 119 Amitermes rotundus; distribution map.
- Watson et al., 1998: 212 *Amitermes rotundus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Amitermes sciangallorum Ghidini, 1941

Amitermes sciangallorum Ghidini, 1941: 31-32 (soldier, worker).

Type data: Syntypes: MCG soldiers, workers, AMNH soldiers, workers, NCIP soldier [incorrectly cited as paratype by Ruelle, 1975].

Type locality: Ethiopia: Murlè.

- Snyder, 1949a: 124 Amitermes sciangallorum; catalog; reference list. Ethiopia.
- Ghidini, 1955: 77–78, fig. 5 *Amitermes sciangallorum*; soldier described and figured; locality. Ethiopia.
- Sands, 1959: 130, 132, 146, figs. 4H, 5G, 6G Amitermes sciangallorum; synonymy; soldier, worker described and figured; key; distribution. Tanzania.
- Bouillon and Mathot, 1965: 41 Amitermes sciangallorum; catalog. Tanzania.
- Harris, 1968c: 2, 12 Amitermes sciangallorum; biology; locality. Sudan.
- Bouillon and Mathot, 1971: table: no. 76 Amitermes sciangallorum; measurements.
- Ruelle, 1975b: 7 Amitermes sciangallorum; types listed.

- Wanyonyi et al., 1984: 4 Amitermes sciangallorum; checklist; distribution. Kenya; Tanzania.
- Cowie et al., 1990: 24, table 1 *Amitermes sciangallorum*; checklist; distribution. Ethiopia.
- Sands, 1992: 19, 21, 24, 49–50, figs. 310–343 *Amitermes sciangallorum*; imago (previously unknown), soldier, worker described and figured; key; phylogeny. Ethiopia to Northern Tanzania.
- Raineri et al., 1993: 534 Amitermes sciangallorum; collection catalog; types listed.
- Sands, 1998: 183, 392, 393, figs. 623, 624, 633, 638, 639 *Amitermes sciangallorum*; gut figured; distribution. Ethiopia to northern Tanzania.

*Amitermes curvatus* Sands, 1959: 145 [**nomen nudum**; *curvatus* = *A. sciangallorum*, fide Emerson (in litt. Sands)].

Tanzania. © DISTRIBUTION: Ethiopian Region—Ethiopia; Kenya; Sudan; Tanzania.

## Amitermes scopulus (Mjöberg, 1920)

Hamitermes (Hamitermes) scopulus Mjöberg, 1920: 81-83 (soldier, worker), fig. 42b.

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM neotenics, soldiers, workers, nymphs, ANIC No. 10 17716 neotenic queen, soldier, worker, AMNH neotenic queen, king, soldiers, workers, USNM king, soldier, worker.

LECTOTYPE DESIGNATION: Watson et al., 1998: 212.

Type locality: Australia: Queensland: Cape York Peninsula, 30 mi (48 km) from Laura; see Watson et al., 1998: 212.

- Hill, 1942: 347–348, fig. 261 *Hamitermes* (*Hamitermes*) *scopulus*; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 125 Amitermes scopulus; catalog; new combination. Australia.
- Noirot, 1956: 150 Amitermes scopulus; supplementary reproductives.
- Calaby and Gay, 1959: 219 Amitermes scopulus; biology.
- Gay, 1968a: 447, 456 Amitermes scopulus; key to soldier.
- Watson and Abbey, 1993b: 74, fig. 120 Amitermes scopulus; distribution map.
- Watson et al., 1998: 212 *Amitermes scopulus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

### Amitermes seminotus (Silvestri, 1908)

Eutermes seminotus Silvestri, 1908: 80 (imago, worker, nymph), pl. X: figs. 54-60.

TYPE DATA: Syntypes: IEA imagoes, workers, AMNH imagoes, workers [one soldier in this lot, but not described by Silvestri and not part of type series].

Type locality: Botswana: Kalahari: Kooa (?= Botswana: Sekoma).

- Fuller, 1922: 123, 127 Hamitermes seminotus; key; locality; new combination. Botswana.
- Hegh, 1922: 469, 470, 694 Eutermes seminotus; biology; reference list; distribution.
- Sjöstedt, 1926d: 189 Amitermes seminotus; reference list; locality; new combination. Botswana.
- Snyder, 1949a: 125 Amitermes seminotus; catalog; reference list. South Africa.
- Sands, 1959: 130 Amitermes seminotus; remarks on identification.
- Bouillon and Mathot, 1965: 41 Amitermes seminotus; listed; remarks.
- TISTRIBUTION: Ethiopian Region—Botswana; South Africa.

# Amitermes silvestrianus Light, 1930

Amitermes silvestrianus Light, 1930a: 190-191 (soldier, worker), pl. 14: figs. 2, 4, 6, 8.

Type data: Syntypes: USNM soldiers, workers, nymphs [not in USNM as cited by Constantino, 1998b], AMNH soldier [not in AMNH as cited by Constantino, 1998b; possibly in CAS]. Type locality: USA: California: Upper Coachella Valley, dry bed of Whitewater River near Garnet.

- Light, 1930b: 216, 217 Amitermes silvestrianus; key. USA: California.
- Light, 1932e: 359, 370, 380–383, 390, figs. O, P, pl. 9: figs. 1, 2, 8, 12, 13) *Amitermes* (*Amitermes*) *silvestrianus*; imago (previously unknown), soldier described; imago figured; biology; key; distribution. USA: California.
- Light, 1934e: 203, 204, 205, fig. 66i Amitermes (Amitermes) silvestrianus; key; soldier mandibles figured; distribution. USA: California.
- Light, 1934d: 132 Amitermes (Amitermes) silvestrianus; distribution. USA: California.
- Snyder, 1949a: 125 Amitermes silvestrianus; catalog; reference list. USA: California.
- Weesner, 1965: 58, 61, 62, fig. 19 *Amitermes silvestrianus*; key; characters; soldier mandibles figured; biology; distribution.
- Gisler, 1967: 85, 144 Amitermes silvestrianus; protozoa. USA: California.
- Nutting, 1969c: 323 Amitermes silvestrianus; flight; distribution. USA: Arizona.
- Weesner, 1970: 513 Amitermes silvestrianus; biology.
- Araujo, 1977c: 58 Amitermes silvestrianus; catalog. USA: California.
- Nutting, 1979b: 143 Amitermes silvestrianus; swarming period.
- Nutting, 1990a: 1027, 1029, fig. 33.13 Amitermes silvestrianus; key; imago, soldier figured.
- Poole and Gentili, 1997: 495, 496 Amitermes silvestrianus; distribution. North America.
- Constantino, 1998b: 199 Amitermes silvestrianus; catalog. USA: California.
- TISTRIBUTION: Nearctic Region—USA: California.

## Amitermes snyderi Light, 1930

Amitermes snyderi Light, 1930a: 192-195 (soldier, worker), figs. V-Y pls. 11-13.

Type data: Syntypes: AMNH workers (USA: California: San Diego Co.: San Felipe Ranch [an additional location is given by Light in San Bernardino Co., but no specimens from this locality are in AMNH. Additional specimens, including soldiers, from other localities in AMNH are labeled "cotype" but are not from the six locations plotted by Light]), USNM soldiers, workers [one soldier incorrectly labeled as "holotype"; Light did not designate a holotype]; USA: California [locality unknown], AMNH workers (USA: California: Riverside Co.: Cabazon), AMNH workers (USA: California: San Bernardino Co.: Victorville), AMNH workers (USA: California: San Bernardino Co.: Rice).

Type Localities: USA: California: San Diego Co.: San Felipe Ranch, Riverside Co.: Cabazon, San Bernardino Co.: Victorville, Narrows, San Bernardino Co.: Rice.

- Light, 1930b: 217 Amitermes snyderi; key. USA: California.
- Light, 1932e: 359, 384 Amitermes (Amitermes) snyderi; late nymph described; distribution.
   USA: California.
- Light, 1934e: 203, 205, fig. 66e Amitermes (Amitermes) snyderi; key; soldier mandibles figured; distribution. California.
- Light, 1934d: 132 Amitermes (Amitermes) snyderi; distribution. California.
- Snyder, 1949a: 125 Amitermes snyderi; catalog; reference list. USA: California.

- Weesner, 1965: 58, 61, 62, fig. 19 *Amitermes snyderi*; key; characters; soldier mandibles figured; biology; distribution.
- Nutting, 1969c: 323 Amitermes snyderi; flight; distribution. USA: Arizona.
- Roonwal, 1970b: fig. 12a Amitermes snyderi; soldier postmentum figured.
- Weesner, 1970: 513 Amitermes snyderi; biology.
- Araujo, 1977c: 58 Amitermes snyderi; catalog. USA: California.
- Roonwal and Chhotani, 1989: fig. 46a Amitermes snyderi; soldier postmentum figured.
- Nutting, 1990a: 1029, fig. 33.14 Amitermes snyderi; key; soldier figured.
- Poole and Gentili, 1997: 495, 496 Amitermes snyderi; distribution. North America.
- Constantino, 1998b: 199 Amitermes snyderi; catalog. USA: California.
- TISTRIBUTION: Nearctic Region—USA: California.

#### Amitermes socotrensis Harris, 1954

Amitermes socotrensis Harris, 1954c: 494–496 (soldier, worker), fig. 2.

TYPE DATA: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers, AMNH soldiers. Type Locality: Yemen: Socotra: Homil: Khor Garieh.

- Bouillon and Mathot, 1965: 41 Amitermes socotrensis; listed; remarks.
- Bouillon and Mathot, 1971: table: no. 77 Amitermes socotrensis; measurements.
- Sands, 1992: 19, 22, 24, 51–52, figs. 344–367 *Amitermes socotrensis*; imago (previously unknown), soldier, worker described and figured; key; phylogeny. South Yemen.
- Sands, 1998: 183, 392, fig. 625, 626 *Amitermes socotrensis*; gut figured; distribution. Yemen: Socotra.
- TISTRIBUTION: Ethiopian Region—Yemen: South Yemen.

## Amitermes somaliensis Sjöstedt, 1927

Amitermes somaliensis Sjöstedt, 1927a: 102-103 (soldier), fig. 4.

Type data: Syntypes: NHRM soldiers.

Type locality: Somalia: Villagio Duka Abrizzi.

- Ghidini, 1938: 231 Amitermes somaliensis; remarks; distribution. Somalia.
- Snyder, 1949a: 125 Amitermes somaliensis; catalog; reference list. Somalia.
- Ghidini, 1955: 80 Amitermes somaliensis; remarks; distribution. Ethiopia.
- Sands, 1959: 130, 131, 132, 148–149, figs. 2G, 3F, 4I, 5H, 6H *Amitermes somaliensis*; synonymy; imago (previously unknown), soldier, worker described and figured; key; distribution. Kenya; ?Malawi; Somalia.
- Bouillon and Mathot, 1965: 41 Amitermes somaliensis; catalog. Kenya.
- Bouillon and Mathot, 1971: table: no. 78 Amitermes somaliensis; measurements.
- Roonwal, 1975f: 406, 409 Amitermes somaliensis; sexual dimorphism.
- Ruelle, 1975b: 7 Amitermes somaliensis; "paramorphotypes" [non-types] listed.
- Wanyonyi et al., 1984: 4 Amitermes somaliensis; checklist; distribution. Kenya.
- Cowie et al., 1990: 24, table 1 Amitermes somaliensis; checklist; distribution. Ethiopia.
- Sands, 1992: 19, 20, 24, 52–54, figs. 368–397 *Amitermes somaliensis*; imago, soldier, worker described and figured; key; phylogeny. Ethiopia; Malawi; Somalia.
- Sands, 1998: 183 *Amitermes somaliensis*; listed; distribution. Ethiopia; Kenya; Malawi; Somalia.
- TISTRIBUTION: Ethiopian Region—Ethiopia; Kenya; Malawi; Somalia.

## Amitermes spinifer (Silvestri, 1914)

Hamitermes spinifer Silvestri, 1914a: 75-77 (soldier, worker), fig. 43.

Type data: Syntypes: IEA soldiers, workers (Senegal: Dakar, Hann), AMNH soldier, worker (Senegal: Thies), IEA soldiers, workers (Senegal: Thies).

Type localities: Senegal: Dakar, Hann, Thies.

- Hegh, 1922: 497, 535, 695 *Hamitermes spinifer*; biology; reference list; distribution.
- Sjöstedt, 1926d: 183, 187 Amitermes spinifer; reference list; key; biology; locality; new combination. Senegal.
- Snyder, 1949a: 125 Amitermes spinifer; catalog; reference list. Senegal.
- Sands, 1959: 130, 131, 132, 149–151, figs. 2H, 3G, 4J, 5I, 6I *Amitermes spinifer*; synonymy; imago (previously unknown), soldier, worker described and figured; key; distribution. Kenya; Nigeria; Senegal; Sierra Leone; Tanzania; Uganda.
- Bouillon and Mathot, 1965: 41 *Amitermes spinifer*; catalog. Kenya; Nigeria; Senegal; Sierra Leone; Tanzania; Uganda.
- Bouillon and Mathot, 1971: table: no. 79 Amitermes spinifer; measurements.
- Roy-Noël, 1972: 204, table 1 Amitermes spinifer; biology; ecology; distribution. Tanzania to Senegal.
- Roy-Noël, 1974b: 526–609 *Amitermes spinifer*; biology; ecology; distribution. Kenya; Nigeria; Senegal; Sierra Leone; Tanzania; Uganda.
- Roonwal, 1975f: 406, 409 Amitermes spinifer; sexual dimorphism.
- Ruelle, 1975b: 7 Amitermes spinifer; "paramorphotypes" [non-types] listed.
- Johnson et al., 1980: 56 Amitermes spinifer; checklist; biology; distribution. Guinea; Nigeria.
- Medler, 1980: 55 Amitermes spinifer; checklist. Nigeria.
- Wanyonyi et al., 1984: 4 Amitermes spinifer; checklist; distribution. Kenya; Tanzania; Uganda.
- Cowie et al., 1990: 23, 24, table 1 Amitermes spinifer; checklist; distribution. Ethiopia.
- Sands, 1992: 19, 21, 23, 54–56, figs. 398–429 *Amitermes spinifer*; imago, soldier, worker described and figured; key; phylogeny. Senegal; Sierra Leone; Tanzania.
- Sands, 1998: 183, figs. 597–599, 600–604, 607–608 *Amitermes spinifer*; worker mandibles, pronota, forecoxa, gut figured; distribution. Senegal to northern Tanzania.

Amitermes acutidens Sands, 1959: 145 [nomen nudum; A. acutidens = A. spinifer, fide Emerson (in litt. Sands)].

Tistribution: Ethiopian Region—Guinea; Kenya; Nigeria; Senegal; Sierra Leone; Tanzania; Uganda.

## Amitermes stephensoni Harris, 1957

Amitermes stephensoni Harris, 1957c: 424–425 (soldier, worker), fig. 1.

TYPE DATA: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers, AMNH soldier, worker. TYPE LOCALITY: Yemen (Aden Protectorate): Hadhramaut; Seiyun (Saiun).

- Sands, 1959: 151–152, figs. 2H, 3H, 4K, 5J, 6I Amitermes stephensoni; synonymy; imago (previously unknown), soldier, worker described and figured; key, distribution [imago description and Nigerian and West African records later identified as guineensis by Sands, 1992].
   Yemen.
- Bouillon and Mathot, 1965: 41 Amitermes stephensoni; catalog. Nigeria; Yemen.
- Bouillon and Mathot, 1971: table: no. 80 Amitermes stephensoni; measurements.
- Roonwal, 1975f: 406, 409 Amitermes stephensoni; sexual dimorphism.
- Ruelle, 1975b: 7 Amitermes stephensoni; "paramorphotypes" [non-types] listed.

- Johnson and Wood, 1980: 279-293 Amitermes stephensoni; checklist; ecology; distribution.
- Johnson et al., 1980: 56 *Amitermes stephensoni*; checklist; biology; distribution. Sudan [Nigeria and Guinea doubtful].
- Medler, 1980: 55 Amitermes stephensoni; checklist. Nigeria.
- Chhotani and Bose, 1983: 125 Amitermes stephensoni; distribution. Arabian Peninsula.
- Wanyonyi et al., 1984: 4 Amitermes stephensoni; checklist; distribution. Kenya.
- Weidner, 1984: 6 Amitermes stephensoni; listed. Southern Arabia.
- Badawi et al., 1986a: 416, 418 Amitermes stephensoni; distribution. Saudi Arabia.
- Chhotani, 1988: 369 Amitermes stephensoni; distribution. Oman.
- Cowie, 1989a: 159, 160, table 1 *Amitermes stephensoni*; checklist; biogeography; distribution. North and South Yeman; Oman; Saudi Arabia.
- Chhotani and Bose, 1991: 261, 264 Amitermes stephensoni; key. Saudi Arabia.
- Esmaeili and Ghayourfar, 1992: 243 Amitermes stephensoni; distribution. Iran.
- Sands, 1992: 21, 23, 56–57, figs. 430–446 *Amitermes stephensoni*; soldier, worker described and figured; key; phylogeny. Oman; South Yemen.
- Sands, 1998: 183 Amitermes stephensoni; listed; distribution. Oman; South Yemen.
- Ravan and Akhtar, 1999a: 66 Amitermes stephensoni; distribution. Iran.
- Faragalla, 2002: 203 Amitermes stephensoni; checklist; ecozoogeography. Saudi Arabia.
- Ghayourfar, 2002a: 21 Amitermes stephensoni; distribution. Iran.
- Ghayourfar, 2005a: 219 Amitermes stephensoni; distribution. Iran.
- Ghayourfar, 2005d: 61 Amitermes stephensoni; listed; distribution. Iran.
- ♠ DISTRIBUTION: Ethiopian Region—Guinea; Kenya; Nigeria; Sudan; Yemen: North Yemen, South Yemen. ◆ Palaearctic Region—Iran; Oman; Saudi Arabia.

# Amitermes subtilis Gay, 1968

Amitermes subtilis Gay, 1968a: 448–449, 454 (soldier), fig. 8F.

Type data: Holotype: ANIC No. 9111 soldier. Paratypes: ANIC No. 10 11787 soldier, workers, nymphs, AMNH soldier, workers.

Type locality: Australia: Queensland: 10 mi E Mt. Garnet.

- Watson and Abbey, 1993b: 74, fig. 121 Amitermes subtilis; distribution map.
- Sugimoto et al., 1997: 211, 213, 216, 220 *Amitermes subtilis*; methane and hydrogen emissions. Australia.
- Tayasu et al., 1998: 536–542 *Amitermes subtilis*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 212 Amitermes subtilis; catalog; synonymy; distribution; ecology. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

# Amitermes truncatidens Sands, 1959

Amitermes truncatidens Sands, 1959: 153-154 (imago, soldier, worker), figs. 2J, 3I, 4L, 5K, 6K.

Type data: Holotype: BMNH imago ♀. Paratypes: BMNH imagoes, soldiers, workers, AMNH imago, soldier, worker.

Type locality: Tanzania (Tanganyika): Nachingwea.

- Harris, 1958a: 6 Amitermes limpopoensis [misidentification]; locality. Congo-Zaire.
- Weidner, 1961: 49, 50, fig. 30 Amitermes truncatidens; soldier mandibles figured; remarks.
- Bouillon and Mathot, 1965: 41 Amitermes truncatidens; catalog. Angola; Malawi; Tanzania;
   Zambia: Zimbabwe.

- Bouillon and Mathot, 1971: table: no. 81 Amitermes truncatidens; measurements.
- Weidner, 1974: 36 Amitermes truncatidens; listed. Angola.
- Ruelle, 1975b: 7 Amitermes truncatidens; "paratypes" [non-types] listed.
- Nkunika, 1982: 114 Amitermes truncatidens; ecology; distribution. Zambia.
- Wanyonyi et al., 1984: 4 Amitermes truncatidens; checklist; distribution. Tanzania.
- Nkunika, 1986: 48, 50 Amitermes truncatidens; ecology; distribution. Zambia.
- Sands, 1992: 19, 22, 26, 57–59, figs. 447–472 *Amitermes truncatidens*; imago, soldier, worker described and figured; key; phylogeny. Angola; Malawi; Tanzania; Zambia; Zimbabwe.
- Sands, 1998: 183 *Amitermes truncatidens*; listed; distribution. Angola; Malawi; Tanzania; Zambia; Zimbabwe.
- Tistribution: Ethiopian Region—Angola; Congo-Zaire; Malawi; Tanzania; Zambia; Zimbabwe.

## Amitermes uncinatus Gay, 1968

Amitermes uncinatus Gay, 1968a: 449-450, 453-454 (imago, soldier), figs. 2F, 3L, 8G.

Type data: Holotype: ANIC No. 9112 imago ♀. Paratypes: ANIC No. 10 10084 imagoes, soldier, workers, AMNH imagoes, soldiers, worker.

Type locality: Australia: Western Australia: Berkshire Valley, E of Moora.

- Watson and Abbey, 1993b: 75, fig. 122 Amitermes uncinatus; distribution map.
- Watson et al., 1998: 212 Amitermes uncinatus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland, Western Australia.

### Amitermes unidentatus (Wasmann, 1897)

Termes unidentatus Wasmann, 1897b: 163-164 (soldier), pl. 11: fig. 9.

Type data: Lectotype: NHMM soldier. Paralectotypes: NHMM soldiers, workers, nymphs. Lectotype designation: Van Boven, 1969a: 42 [selection incorrectly credited to Emerson]. Type locality: Tanzania ("Sansibar"): Bawi.

- Sjöstedt, 1900a: 75, 134–135 Termes unidentatus; soldier, worker described; distribution.
   Ghana: Tanzania.
- Wasmann, 1902a: 106 Termes unidentatus; distribution. East and Central Africa.
- Sjöstedt, 1904: 36, 44, 114 Termes unidentatus; key; distribution.
- Desneux, 1904b: 38 Termes (Termes) unidentatus; reference list. Tanzania.
- Sjöstedt, 1907a: 9, 10, 25 Eutermes hastatus [misidentification]; imago described; key; biology; locality. Tanzania.
- Wasmann, 1910a: 124 Hamitermes; "Termes" unidentatus; locality. Tanzania: Pemba Island.
- Sjöstedt, 1911c: 144 Termes unidentatus; locality. Congo-Zaire.
- Sjöstedt, 1911e: 179 Termes unidentatus; key.
- Holmgren, 1912a: 91 *Hamitermes* (*Hamitermes*) *unidentatus*; listed; new combination. "Fundu Island"; Ghana; Tanzania.
- Sjöstedt, 1913a: 368 Eutermes (Hamitermes) unidentatus; locality. Congo-Zaire.
- Hegh, 1922: 372, 497, 535, 695 Hamitermes unidentatus; biology; reference list; distribution.
- Sjöstedt, 1926d: 182, 184, 185 *Amitermes unidentatus*; reference list; key; biology; locality; new combination. Central African Republic; Congo-Zaire; Rhodesia; Tanzania.
- Sjöstedt, 1926a: 4 Amitermes unidentatus; locality. Ghana.
- Sjöstedt, 1926b: 152 *Amitermes unidentatus*; imago (previously unknown) described; key; locality. Congo-Zaire.

- Harris, 1936: 366 Hamitermes unidentatus; biology; distribution. Tanzania.
- Wheeler, 1936: 227, 233 Amitermes unidentatus; ant ecological relationships.
- Jucci, 1937: 304 Hamitermes unidentatus; distribution.
- Ghidini, 1938: 231 Amitermes unidentatus; remarks.
- Harris, 1941: 204 Hamitermes unidentatus; distribution.
- Snyder, 1949a: 126 *Amitermes unidentatus*; catalog. Central African Republic; Congo-Zaire; Ghana; Tanzania; Zimbabwe.
- Kemp, 1955: 114, 116, 117, 118, 130, 134 *Amitermes unidentatus*; ecology; distribution based on vegetation zones. Tanzania.
- Bouillon, 1958: 199 Amitermes unidentatus; distribution. Congo-Zaire.
- Sands, 1959: 130, 131, 132, 139, 154–156, figs. 2K, 3J, 3K, 4M, 5L, 6L, 6N *Amitermes unidentatus*; synonymy; imago, soldier, worker described and figured; key; distribution. Kenya; Malawi; "Ruanda-Urundi"; Tanzania; Uganda.
- Weidner, 1961: 49, fig. 30 Amitermes unidentatus; synonymy; soldier mandibles figured.
- Bouillon and Mathot, 1965: 41, 84, 85, pl. 10: fig. 22a *Amitermes unidentatus*; catalog; soldier figured. Angola; Central African Republic; Congo-Zaire; Ethiopia; ?Ghana; Kenya; Malawi; Rwanda; South Africa; Tanzania; Uganda; Zimbabwe.
- Van Boven, 1969a: 42 Amitermes unidentatus; types listed.
- Bouillon, 1970: 233 Amitermes unidentatus; flight records. Tanzania.
- Bouillon and Mathot, 1971: table: no. 82 Amitermes unidentatus; measurements.
- Weidner, 1974: 36 Amitermes unidentatus; synonymy; locality. Angola.
- Prestwich, 1975: 149–152 Amitermes unidentatus; defensive secretions; biochemistry.
- Mathot, 1978: 58 Amitermes unidentatus; collection catalog; types of macrocephalus listed.
- Meinwald et al., 1978: 1169 Amitermes unidentatus; defensive secretions; biochemistry.
- Prestwich, 1979b: 466 Amitermes unidentatus; chemical defense; biochemistry.
- Johnson and Wood, 1980: 279-293 Amitermes unidentatus; checklist; ecology; distribution.
- Blum, 1981a: 464 Amitermes unidentatus; defensive secretions; biochemistry.
- Kaib et al., 1982: 1193–1205 *Amitermes unidentatus*; trail pheromone; biochemistry; bioassay. Kenya.
- Prestwich, 1983b: 293, 301 Amitermes unidentatus; secretions; biochemistry; defense; trail; pheromones.
- Prestwich, 1984a: table 1 Amitermes unidentatus; checklist; ecology; defense mode; chemicals; distribution.
- Wanyonyi et al., 1984: 4 *Amitermes unidentatus*; checklist; distribution. Kenya; Tanzania; Uganda; Zanzibar Island.
- Cowie et al., 1990: 24, table 1 Amitermes unidentatus; checklist; distribution. Ethiopia.
- Sands, 1992: 20, 22, 25, 59–61, figs. 473–499 *Amitermes unidentatus*; imago, soldier, worker described and figured; key; phylogeny. Sudan to South Africa.
- Sands, 1998: 392, 393, figs. 627, 628, 636 Amitermes unidentatus; gut figured; distribution. Sudan to South Africa.
- Darlington et al., 2001: 527-538 Amitermes unidentatus; ecology; distribution. Kenya.

### Eutermes meruensis Sjöstedt, 1911e: 177-179 (imago, soldier, worker).

Type data: Syntypes: NHRM imagoes, soldiers, workers (Tanzania: Ngare Nanyuki), NHRM imagoes, soldiers, workers (Tanzania: Kibonoto, Kilimanjaro), NCIP imago, soldier (Tanzania: Kibonoto, Kilimanjaro [incorrectly cited as paratypes by Ruelle, 1975b]), AMNH imagoes, soldiers, workers (Tanzania: Kibonoto, Kilimanjaro).

Type localities: Tanzania: Kibonoto, Kilimanjaro, Ngare Nanyuki.

- Holmgren, 1912a: 93, fig. 59 *Hamitermes (Hamitermes) meruensis*; listed; soldier mandibles figured; new combination. Tanzania.
- Hegh, 1922: 372, 695 *Hamitermes meruensis*; biology; reference list; distribution.

- Sjöstedt, 1926d: 181, 182, 186 Amitermes meruensis; reference list; key; biology; locality. Tanzania.
- Harris, 1936: 366 *Hamitermes meruensis*; distribution. Tanzania.
- Harris, 1941: 204 Hamitermes meruensis; distribution.
- Snyder, 1949a: 121 *Amitermes meruensis*; catalog; new combination [listed as valid].
- Sands, 1959: 154–156 Eutermes meruensis; synonymized with unidentatus.
- Webb, 1961: fig. 26 Amitermes meruensis; soldier figured.
- Ruelle, 1975b: 7 Amitermes meruensis; types listed.

## Hamitermes elongatus Silvestri, 1914a: 77-78 (soldier, worker), fig. XLIV.

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, workers.

Type locality: Angola: S. Paolo de Loanda: Quifangondo.

- Hegh, 1922: 372, 497, 535, 695, fig. 353A *Hamitermes elongatus*; biology; reference list; distribution.
- Sjöstedt, 1926d: 182, 183, 185 *Amitermes elongatus*; neotenic imago, soldier described; reference list; key; biology; remarks; locality; new combination. Angola; Congo-Zaire.
- Emerson, 1928b: 498, fig. 47 *Amitermes (Amitermes) elongatus*; soldier described and figured; biology. Congo-Zaire.
- Snyder, 1949a: 116 Amitermes elongatus; catalog [listed as valid]. Angola; Congo-Zaire.
- Noirot, 1956: 150 Amitermes elongatus; supplementary reproductives.
- Weidner, 1956b: 91 Amitermes elongatus; synonymy; locality. Angola; Congo-Zaire.
- Sands, 1959: 154-156 Hamitermes elongatus; synonymized with unidentatus.

## Hamitermes limpopoensis Fuller, 1922: 127 (imago, soldier).

Type data: Lectotype: NCIP imago ♀. Paralectotypes: AMNH imago, soldiers, workers, NCIP imagoes, soldiers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 7 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: South Africa: Transvaal: confluence of Zand and Limpopo Rivers.

- Sjöstedt, 1926d: 190 Amitermes limpopoensis; reference list; biology; locality; new combination.
   South Africa.
- Snyder, 1949a: 120 Amitermes limpopoensis; catalog [listed as valid]. South Africa.
- Harris, 1958a: 6 Amitermes limpopoensis; locality [Sands, 1959: 153 lists as = truncatidens].
- Sands, 1959: 154–156 Hamitermes limpopoensis; synonymized with unidentatus.
- Ruelle, 1975b: 7 *Amitermes limpopoensis*; types listed.

### Amitermes macrocephalus Ghidini, 1941: 31 (soldier).

Type data: Syntypes: MCG soldiers, workers, AMNH soldiers, workers, NCIP soldier [incorrectly cited as paratype by Ruelle, 1975b].

Type locality: Ethiopia: El Dire.

- Snyder, 1949a: 121 Amitermes macrocephalus; catalog. Ethopia.
- Ghidini, 1955: 75–76, fig. 4 *Amitermes macrocephalus*; soldier described and figured; locality. Ethiopia.
- Sands, 1959: 154–156 Amitermes macrocephalus; synonymized with unidentatus.
- Ruelle, 1975b: 7 Amitermes macrocephalus; types listed.
- Raineri et al., 1993: 532 Amitermes macrocephalus; collection catalog; types listed.
- Tistribution: Ethiopian Region—Angola; Congo-Zaire; Ethiopia; Kenya; Malawi; Rwanda; South Africa; Sudan; Tanzania; Uganda; Zambia.

## Amitermes vicinus Gay, 1968

Amitermes vicinus Gay, 1968a: 450-451, 455 (soldier), figs. 8H, 8I.

Type data: Holotype: ANIC No. 9113 soldier. Paratypes: ANIC No. 10 9993 soldiers, workers, nymphs, ANIC soldiers, workers [not type locality], AMNH soldiers, workers.

Type locality: Australia: Western Australia: Yandanooka.

- Watson and Abbey, 1993b: 75, fig. 123 Amitermes vicinus; distribution map.
- Watson et al., 1998: 212 Amitermes vicinus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Amitermes vilis (Hagen, 1858)

Termes (Termes) vilis Hagen, 1858c: 185-186, 240 (imago).

TYPE DATA: Syntypes: NHMW imago [lost fide Weidner, 1958], AMNH No. 206 imago, ZIHS imago. TYPE LOCALITY: Iran (Persia): Shiraz.

- Hagen, 1858b: 25 Termes (Termes) vilis; imago described; synonymy; distribution. Iran: Shiraz.
- Desneux, 1904b: 33 Termes (Leucotermes) vilis; reference list. Iran.
- Jacobson, 1905: 71, 76, fig. 11 *Termes vilis*; key; imago described and figured. Turkmenistan (Transcaspia).
- Jakobson [= Jacobson], 1907: 238 Termes vilis; listed.
- Holmgren, 1911a: 69 *Leucotermes vilis*; listed; new combination. Iran; Transcaspia [= Turkmenistan and part Kazakhstan].
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) vilis; listed; new combination. Iran.
- Holmgren, 1912d: 126 ?Hamitermes vilis; listed.
- Silvestri, 1923c: 261 Hamitermes vilis; locality. Iraq.
- Snyder, 1949a: 126 Amitermes vilis; catalog; new combination. Iran; Transcaspia.
- Weber, 1954: 181 Amitermes vilis; swarming; distribution. Iraq.
- Harris, 1957c: 431–433, fig. 5 *Amitermes vilis*; soldier (previously undescribed), imago described and figured. Iraq.
- Luppova, 1958: 83, 86, 94, 105, 140, 141, fig. 5 *Amitermes vilis*; soldier mandibles figured; ecology. Turkmenistan.
- Weidner, 1958: 14, fig. 6 Amitermes vilis; discussion; worker mandibles figured; locality. Iraq.
- Weidner, 1960a: 58, 67 *Amitermes vilis*; synonymy; discussion; key; distribution. ?Afghanistan; Iran; Iraq; Turkmenistan.
- Harris, 1961a: 54, 58 Amitermes vilis; listed.
- Ghilarov, 1962: 132 Amitermes vilis; distribution. USSR.
- Steinberg, 1962: 13 Amitermes vilis; discussion. Central Asia.
- Spaeth, 1964: 28 Amitermes vilis; comparisons.
- Weidner, 1966a: 216 Amitermes vilis; listed.
- Harris, 1970b: 308 Amitermes vilis; distribution. Afghanistan; Iran; Iraq; Jordan; Turkmenistan.
- Luppova, 1973: 16 Amitermes vilis; distribution.
- Abdul Rassoul, 1976: 32 Amitermes vilis; checklist. Iraq.
- Badawi et al., 1984a: 253–261 Amitermes vilis; ecology. Saudi Arabia.
- Chhotani and Bose, 1986: 123 Amitermes vilis; material listed. Saudi Arabia.
- Badawi et al., 1986a: 416, 418 Amitermes vilis; distribution. Saudi Arabia.
- Al-Kady et al., 1987: 186, 193 Amitermes vilis; listed; key; distribution. Saudi Arabia.
- Chhotani, 1988: 369 Amitermes vilis; distribution. Oman.
- Cowie, 1989a: 160, 162, table 1 *Amitermes vilis*; checklist; biogeography; distribution. North and South Yemen; Oman; Saudi Arabia.

- Chhotani and Bose, 1991: 261, 263 Amitermes vilis; key. Saudi Arabia.
- Esmaeili and Ghayourfar, 1992: 243 Amitermes vilis; distribution. Iran.
- Sands, 1992: 20, 22, 25, 61–63, figs. 500–535 *Amitermes vilis*; imago (previously unknown), soldier, worker described and figured; key; synonymy; phylogeny. Iran; Iraq; Israel; Jordan; North and South Yemen; Oman; Turkmenistan.
- Ghayourfar, 1993: 22–23, 109–111 Amitermes vilis; comparisons. Iran.
- Sands, 1998: 183 Amitermes vilis; listed; distribution. Iran; Iraq; Israel; Jordan; North and South Yemen; Oman.
- Ravan and Akhtar, 1999a: 66 Amitermes vilis; distribution. Iran.
- Faragalla, 2002: 203 *Amitermes villis* [sic]; checklist; ecozoogeography. Saudi Arabia [incorrect author citation].
- Ghayourfar, 2005a: 219 Amitermes vilis; distribution; damage. Iran.
- Ghayourfar, 2005b: 1-4 Amitermes vilis; feeding; ecology; behavior; population density. Iran.

Amitermes wahrmani Spaeth, 1964: 27-29 (soldier, worker), fig. 1.

Type data: Holotype: AMNH soldier. Paratypes: AMNH workers, nymphs, AMNH soldier, workers [not type locality], AMNH soldier, workers [not type locality], AMNH soldier, workers, nymphs [not type locality], FRI workers, ZSI worker.

Type locality: Israel: Alonim.

- Mathur and Thapa, 1962a: 39 Amitermes wahrmani [nomen nudum; Emerson MS name published by Mathur and Thapa, 1962 and incorrectly credited to Emerson]; collection catalog. Israel.
- Kugler, 1988: 271 Amitermes wahrmani; tentative synonym of vilis.
- Harris, 1970b: 308 Amitermes wahrmani; distribution. Israel.
- Sands, 1992: 61 Amitermes wahrmani; synonymized with vilis.

Amitermes rhizophagus Belyaeva, 1974a: 63-73 (imago, soldier, worker), figs. 1-5.

TYPE DATA: Holotype: ZMM soldier. Paratypes: ZMM imagoes, soldiers, workers. Type locality: Turkmenistan: Kazanogukski Region, 37 km road Nebut-Dag, Yashkan.

- Belyaeva and Zhuzhikov, 1974: 29 Amitermes rhizophagus; key.
- Kugler, 1988: 270, 271 Amitermes wahrmani; tentative synonym of vilis; distribution. Israel.
- Sands, 1992: 61 Amitermes rhizophagus; synonymized with vilis.
- Belyaeva and Dovgobrod, 2006: fig. 5a Amitermes rhizophagus; female genitalia figured.
- ♠ DISTRIBUTION: Ethiopian Region—Yemen: North Yemen, South Yemen. ◆ Palaearctic Region—Afghanistan; Iran; Iraq; Israel; Jordan; Oman; Saudi Arabia; Turkmenistan.

## Amitermes viriosus Gay, 1968

Amitermes viriosus Gay, 1968a: 452, 455 (soldier), figs. 8J, 8K.

Type data: Holotype: ANIC No. 9079 imago ♀. Paratypes: ANIC No. 10 9994 soldiers, workers, AMNH soldier, workers.

Type locality: Australia: Western Australia, 20 mi WNW Three Springs [see Watson et al., 1998: 213].

- Watson et al., 1978b: 102, 104 Amitermes viriosus; distribution; ecology.
- Watson and Abbey, 1993b: 76, fig. 124 Amitermes viriosus; distribution map.
- Watson et al., 1998: 212–213 Amitermes viriosus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

### Amitermes vitiosus (Hill, 1935)

Hamitermes vitiosus Hill, 1935: 23-25 (imago, soldier, worker), figs. 21-26, 42.

Type data: Lectotype: ANIC No. 9079 soldier. Paralectotypes: ANIC No. 10 1263 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Hill, 1942: 352 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Western Australia: Newcastle Waters.

- Froggatt, 1898: 726 Termes meridionalis [misidentification]; locality. [Queensland only].
- Froggatt, 1905: 11, 27, 29 Termes meridionalis [misidentification]; locality. [Queensland only].
- Froggatt, 1907: 26 Termes meridionalis [misidentification]; locality. [Queensland only].
- Mjöberg, 1920: 68, 73 *Hamitermes* (*Hamitermes*) *meridionalis* [part] [misidentification]; locality.
- Emerson, 1938: 265, fig. 6 Amitermes vitiosus; nest figured; behavior; phylogeny.
- Hill, 1942: 348–352, figs. 262, 263, pl. 21 Hamitermes (Hamitermes) vitiosus; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 126 Amitermes vitiosus; catalog; new combination. Australia.
- Grassé, 1949: fig. 173 Amitermes vitiosus; nest figured.
- Ratcliffe et al., 1952: 110 Hamitermes (Hamitermes) vitiosus; characters; biology; distribution.
- Roonwal and Pant, 1953: 50 Amitermes vitiosus; collection catalog. Australia.
- Noirot, 1956: 150 Amitermes vitiosus; supplementary reproductives.
- Calaby and Gay, 1959: 219 Amitermes vitiosus; nest.
- Mathur and Thapa, 1962a: 39 Amitermes vitiosus; collection catalog. Australia.
- Gay, 1968a: 453, 456 (errata) Amitermes vitiosus; keys to imago and soldier.
- Moore, 1968: 37 Amitermes vitiosus; secretions; biochemistry.
- Ferrar and Watson, 1970: 101 Amitermes vitiosus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 427, fig. 9 *Amitermes vitiosus*; biology; mound figured; distribution. Australia.
- Wood and Lee, 1971: 341–366 Amitermes vitiosus; ecology; mound distribution.
- Watson et al., 1973: 122, 125 Amitermes vitiosus; biology; ecology.
- Roonwal, 1978d: 169, fig. 7b Amitermes vitiosus; mound figured; biology; distribution.
- Watson et al., 1978b: 102, 105, 106, 107 Amitermes vitiosus; distribution; ecology.
- Prestwich, 1979b: 465 Amitermes vitiosus; chemical defense; alarm; biochemistry.
- Blum, 1981a: 45, 46, 48 Amitermes vitiosus; defensive secretions; biochemistry.
- Prestwich, 1983b: 293 Amitermes vitiosus; secretions; biochemistry.
- Prestwich, 1984a: table 1 Amitermes vitiosus; checklist; ecology; defense mode; chemicals; distribution.
- Okello-Oloya et al., 1985: 291-311 Amitermes vitiosus; mound; chemical composition; soils.
- Grigg et al., 1988: 285–289 Amitermes vitiosus; magnetism; orientation.
- Watson and Gay, 1991: fig. 20.12E Amitermes vitiosus; nest figured.
- Braekman et al., 1993: 662 Amitermes vitiosus; biochemistry of defensive secretions.
- Holt and Easey, 1993: 281-286 Amitermes vitiosus; mound population size; biomass.
- Watson and Abbey, 1993b: 76, fig. 125 Amitermes vitiosus; distribution map.
- Abensperg-Traun and Perry, 1998: 198, 199 Amitermes vitiosus; biology; ecology; distribution.
- Watson et al., 1998: 213 Amitermes vitiosus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, Western Australia; Groote Eylandt.

### Amitermes westraliensis (Hill, 1929)

Hamitermes westraliensis Hill, 1929: 85-87 (imago, soldier, worker), pl. 14: figs. 1, 2.

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH imagoes, soldiers, workers, ANIC No. 10 462 imago ♂, soldier.

LECTOTYPE DESIGNATION: Hill, 1942: 354 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Western Australia: Darlot.

- Hill, 1942: 353–354, figs. 264, 265 *Hamitermes (Hamitermes) westraliensis*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 126 Amitermes westraliensis; catalog; new combination. Australia.
- Gay, 1968a: 453, 455 Amitermes westraliensis; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes westraliensis; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 428 Amitermes westraliensis; biology; distribution. Australia.
- Watson et al., 1978b: 102, 105 Amitermes westraliensis; distribution; ecology.
- Abensperg-Traun, 1993: 37 Amitermes westraliensis; foraging; defense.
- Watson and Abbey, 1993b: 77, fig. 126 Amitermes westraliensis; distribution map.
- Watson et al., 1998: 213 Amitermes westraliensis; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, South Australia, Western Australia.

# Amitermes wheeleri (Desneux, 1906)

Termes wheeleri Desneux, 1906a: 340-341 (soldier, worker).

Type data: Syntypes: RIB soldiers, workers, AMNH soldiers, workers.

Type locality: USA: Texas: Belton.

- Banks, 1920: 55, 59, 62, 179–185, figs. 41, 45, 46, pl. 7, pl. 8: fig. 5 Amitermes wheeleri; soldier described and figured; key; distribution; new combination; biology [by Snyder]. USA: Texas [Brownsville and San Antonio records = minimus fide Emerson]. Amitermes tubiformans [imago = wheeleri] described and figured; key; distribution; biology [by Snyder]. Mexico; USA: Texas, Arizona.
- Light, 1932e: 356, 357, 359, 366–369, 379, 380, 390, figs. E–F, I *Amitermes* (*Amitermes*) wheeleri; synonymy; imago, soldier described; imago figured; key; distribution. Mexico; USA: California, Nevada, Texas. *Amitermes* (*Amitermes*) parvulus [misidentification; imago from Arizona = wheeleri]; imago described; discussion. USA: Arizona [exclude Texas].
- Light, 1933: 140, 141 Amitermes wheeleri; key.
- Light, 1934e: 203, 204, figs. 66d, 66g Amitermes (Amitermes) wheeleri; key; soldier head and mandibles figured; distribution. Mexico; USA: Arizona, California, Nevada, Texas.
- Light, 1934l: 160 Amitermes (Amitermes) wheeleri; locality. USA: Arizona.
- Light, 1934j: 338 Amitermes wheeleri; distribution. Mexico.
- Light, 1934d: 132 Amitermes (Amitermes) wheeleri; distribution. Mexico; USA: Arizona, California, Nevada, Texas.
- Light and Weesner, 1948: 54, 63-66 Amitermes wheeleri; synonymy; swarming. Arizona.
- Snyder, 1949a: 126, 127 *Amitermes wheeleri*; catalog; reference list; synonymy. Mexico; USA: Arizona, California, Nevada, Texas.
- Harris, 1961a: 54, 157, 161 Amitermes wheeleri; damage; distribution.
- Mathur and Thapa, 1962a: 39 Amitermes wheeleri; collection catalog. USA.
- Weesner, 1965: 58, 61, 62, fig. 19 *Amitermes wheeleri*; key; characters; soldier mandibles figured; biology; distribution.

- Gisler, 1967: 85, 93 Amitermes wheeleri; protozoa. USA: California.
- Nutting, 1969c: 323–324 Amitermes wheeleri; flight; distribution. USA: Arizona.
- Weesner, 1970: 513-514 Amitermes wheeleri; biology.
- Araujo, 1977c: 58 *Amitermes wheeleri*; catalog; synonymy. Mexico; USA: Arizona, California, Nevada, New Mexico, Texas.
- Mathot, 1979: 15 Armitermes [sic] wheeleri; collection catalog; types listed.
- Nutting, 1979b: 143 Amitermes wheeleri; swarming period.
- Prestwich, 1983b: 293 Amitermes wheeleri; secretions; biochemistry.
- Prestwich, 1984a: table 1 Amitermes wheeleri; checklist; ecology; defense mode; chemicals; distribution.
- Scheffrahn et al., 1986b: 661-664 Amitermes wheeleri; defensive secretions; biochemistry.
- Scheffrahn et al., 1986a: 699-701 Amitermes wheeleri; defensive secretions; biochemistry.
- Jones et al., 1988: 110 Amitermes wheeleri; biology; dispersal flight; sex ratios; distribution.
- Nickle and Collins, 1990: 92, 99, 113–114, figs. G-H Amitermes wheeleri; key; soldier figured; characters; distribution. Mexico.
- Nutting, 1990a: 1027, 1029, fig. 33.15 Amitermes wheeleri; key; imago, soldier figured.
- Braekman et al., 1993: 662 Amitermes wheeleri; biochemistry of defensive secretions.
- Poole and Gentili, 1997: 495, 496 Amitermes wheeleri; synonymy; distribution. North America.
- Constantino, 1998b: 199 *Amitermes wheeleri*; catalog, synonymy. Mexico; USA: California to Texas.
- Fontes, 1998: 364 Amitermes wheeleri; catalog; distribution. Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 *Amitermes wheeleri*; checklist; diversity; distribution. Mexico: Colima, Jalisco, Sinaloa.

Amitermes arizonensis Banks, 1920: 56, 59 (imago) [imago description in part only; some imagoes identified as *parvulus* by Light 1932e: 379, 380; soldier = *Gnathamitermes* perplexus fide Snyder, 1949a: 128 and Emerson card catalog].

Type data: Holotype: USNM 21867 imago. Paratypes: USNM imagoes [not type locality], USNM imagoes [not type locality], USNM imagoes [not type locality], USNM imagoes, MCZ No. 10537 imago, MCZ No. 10537 imago [not type locality].

Type locality: USA: Arizona: Fort Grant.

- Snyder, 1926f: 397 Amitermes arizonensis; locality. USA: Arizona.
- Light, 1932e: 366, 390 Amitermes arizonensis; synonymized with wheeleri.
- Roonwal, 1970b: figs. 3f, 6d Amitermes arizonensis; soldier and worker heads figured.
- Roonwal and Chhotani, 1989: figs. 37f, 40d Amitermes arizonensis; worker head figured.

*Amitermes californicus* Banks, 1920: 62 (soldier only), fig. 45.2 [soldier description only; imago = *Amitermes pallidus* fide Snyder, 1949: 123 and Emerson card catalog].

Type data: Holotype: USNM No. 21780 soldier. Paratypes: USNM soldiers [not type locality], USNM soldiers [not type locality], USNM soldiers.

Type Locality: USA: California: San Diego County: Jacumba.

- Snyder, 1926f: 397 Amitermes californicus; locality. USA: Arizona.
- Light, 1930a: 179, 184–187, figs. L-P, pl. 11: fig. 1, pl. 12: figs. 1, 6, pl. 13: figs. 1, 5 Amitermes californicus; soldier, worker described; soldier figured; key; biology; distribution. USA: Arizona, California
- Light, 1930b: 217, 224, pl. 17: fig. 3 Amitermes californicus; discussion; key; distribution. Mexico; USA: California.
- Light, 1931b: 5, 9 Amitermes californicus; tentatively synonymized with wheeleri.
- Light, 1932e: 366, 390 Amitermes californicus; synonymized with wheeleri.

Amitermes (Amitermes) parvipunctus Light, 1932e: 388 (imago), figs. T, U.

Type data: Lectotype: USNM imago. Paralectotypes: AMNH imagoes.

LECTOTYPE DESIGNATION: Constantino, 1998b: 199 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: USA: Texas: Uvalde.

- Light, 1934e: 203, 204 Amitermes (Amitermes) parvipunctus; key; distribution. USA: Texas.
- Light, 1934d: 132 Amitermes (Amitermes) parvipunctus; distribution. USA: Texas.
- Light and Weesner, 1948: 64 Amitermes parvipunctus; tentatively synonymized with wheeleri.
- Snyder, 1949a: 127 Amitermes (Amitermes) parvipunctus; synonymized with wheeleri.

Amitermes (Amitermes) spadix Light, 1932e: 388-398 (imago), figs. V, W.

Type data: Lectotype: USNM imago. Paralectotypes: AMNH imagoes.

LECTOTYPE DESIGNATION: Constantino, 1998b: 199 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: USA: Texas, Uvalde.

- Light, 1934e: 203, 204 Amitermes (Amitermes) spadix; key; distribution. USA: Texas.
- Light, 1934d: 132 Amitermes (Amitermes) spadix; distribution. USA: Texas.
- Light and Weesner, 1948: 64 Amitermes spadix; tentatively synonymized with wheeleri.
- Snyder, 1949a: 127 Amitermes (Amitermes) spadix; synonymized with wheeleri.
- ⑤ DISTRIBUTION: Nearctic Region—USA: Arizona, California, Nevada, Texas. ◆ Neotropical Region—Mexico.

### Amitermes xylophagus (Hill, 1935)

*Hamitermes xylophagus* Hill, 1935: 18–20 (imago, soldier, worker), figs. 11–15.

Type data: Lectotype: ANIC No. 9080 soldier. Paralectotypes: ANIC No. 10 588 imagoes, soldier, workers, nymphs, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Hill, 1942: 356 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: Australia: Capital Territory: Canberra: Black Mountain.

- Hill, 1942: 354–356, figs. 266–268 *Hamitermes (Hamitermes) xylophagus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 127 Amitermes xylophagus; catalog; new combination. Australia.
- Ratcliffe et al., 1952: 109 Hamitermes (Hamitermes) xylophagus; distribution.
- Roonwal and Pant, 1953: 50 Amitermes xylophagus; collection catalog. Australia.
- Mathur and Thapa, 1962a: 39 Amitermes xylophagus; collection catalog. Australia.
- Gay, 1968a: 408, 454 Amitermes xylophagus; keys to imago and soldier.
- Ferrar and Watson, 1970: 101 Amitermes xylophagus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 428 Amitermes xylophagus; biology; distribution. Australia.
- Watson and Gay, 1991: fig. 20.11 Amitermes xylophagus; soldier/imago nymph intercaste figured.
- Watson and Abbey, 1993b: 77, fig. 127 Amitermes xylophagus; distribution map.
- Watson et al., 1998: 213 *Amitermes xylophagus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Australian Capital Territory, New South Wales, South Australia, Victoria, Western Australia.

# Amitermes yasujensis Ghayourfar, 2005

Amitermes yasujensis Ghayourfar, 2005d: 64, 65-66 (soldier), fig. 3.

Type data: Holotype: HMIM soldier. Paratypes: HMIM soldiers, workers.

Type locality: Iran: Kohkiluyeh and Boyerahmahd Province: Yasuj [30°40′N, 51°36′E].

TISTRIBUTION: Palaearctic Region—Iran.

# Angulitermes Sjöstedt, 1924

### Angulitermes Sjöstedt, 1924b: 257.

Type species: Mirotermes frontalis Silvestri, 1908 by original designation.

- Sjöstedt, 1926d: 280 Angulitermes; reference list; soldier characters; remarks.
- Emerson, 1928b: 408 Mirotermes (Angulitermes); distribution.
- Tembrock, 1944: fig. 37 Angulitermes; map; species distribution.
- Snyder, 1949a: 174 Angulitermes; catalog; reference list.
- Emerson, 1955: 512 Angulitermes; number of species; distribution.
- Ahmad, 1955b: 219 Angulitermes; key.
- Weidner, 1955f: 73 Angulitermes; number of species; distribution.
- Ahmad, 1958: 91 Angulitermes; key.
- Webb, 1961: 13 Angulitermes; key.
- Coaton, 1962b: 45, fig. 16 Angulitermes; distribution. Botswana; Lesotho; South Africa.
- Bouillon and Mathot, 1965: 31, 110, 111, pl. 23: fig. 73c Angulitermes; key; characters; imago/worker mandibles figured.
- Chatterjee and Thakur, 1967: 4 Angulitermes; key.
- Harris, 1968c: 6 Angulitermes; key.
- Bouillon and Mathot, 1971: table Angulitermes; number of species in Ethiopian Region; soldier measurements.
- Chaudhry et al., 1972: 61 Angulitermes; characters.
- Coaton and Sheasby, 1972: 25, 81, 101, figs. 17C–D, 49 *Angulitermes*; soldier figured; key; ecology; biology; distribution. Namibia.
- Chhotani and Bose, 1973: 235 Angulitermes; distribution. Indian region.
- Akhtar, 1974b: 95, 96, 97, 100 Angulitermes; distribution; ecology. Pakistan.
- Roonwal et al., 1974: 70, 71 Angulitermes; wing micrasters.
- Sen-Sarma, 1974: 458–459 Angulitermes; ecology and biogeography.
- Akhtar, 1975: 59, 60 *Angulitermes*; key.
- Morimoto, 1975b: 38 Angulitermes; key.
- Sen-Sarma et al., 1975: 4, 9 Angulitermes; distribution and ecology; key. India.
- Roonwal and Verma, 1977b: 467-468 Angulitermes; ecology; biogeography.
- Roonwal and Rathore, 1977: 308 Angulitermes; wing microsculpturing.
- Chhotani and Bose, 1979b: 17, 21 Angulitermes; nesting behavior and nests. India.
- Sen-Sarma and Thakur, 1979: 5 Angulitermes; key.
- Roonwal and Verma, 1980b: 468 Angulitermes; wing microsculpturing.
- Bose and Das, 1982: 201 Angulitermes; key.
- Chhotani and Bose, 1983: 125-126 Angulitermes; distribution. Arabian Peninsula.
- Maiti, 1983: 24 Angulitermes; key.
- Roonwal, 1983b: 365 Angulitermes; wing microsculpturing.
- Bose, 1984: 101-102, 138 Angulitermes; key; synonymy; remarks.
- Chhotani, 1986: 23-24 Angulitermes; Oriental Region distribution and zoogeography.
- Bose and Das, 1987: 110 Angulitermes; key.
- Chhotani, 1987: 409, 416-417 Angulitermes; Oriental Region distribution and zoogeography.

- Thakur, 1989b: 353 Angulitermes; ecology.
- Chhotani and Bose, 1991: 263 Angulitermes; key.
- Maiti and Saha, 1993: 519 Angulitermes; key.
- Akhtar and Ahmad, 1997: 216, 217, 218 Angulitermes; zoogeographical distribution. Pakistan.
- Chhotani, 1997: 223–230 Angulitermes; synonymy; characters; distribution and composition; remarks on species; key to species.
- Sands, 1998: 34, 258–261, figs. 1220–1245, pl. 16: fig. 6 *Angulitermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- Bose, 1999: 26–27, 143 Angulitermes; key; distribution.
- Maiti et al., 2000: 298 Angulitermes; key.
- Uys, 2002: 68, 71–72, fig. 169 Angulitermes; key; species included; diagnosis; biology; distribution. South Africa.
- Rathore and Bhattacharyya, 2004: 8 Angulitermes; key.
- Rathore and Tak, 2004a: 43 Angulitermes; key.
- Sornnuwat et al., 2004: 357, 359 Angulitermes; key; number of species. Thailand.
- Zeidler et al., 2004: 285–292 Angulitermes; seasonal sampling. Namibia.
- Rathore and Mandal, 2005: 70 Angulitermes; key to species; habitats. India: Rajasthan.

### ▲ 28 species.

TISTRIBUTION: Ethiopian Region; Oriental Region; Palaearctic Region.

## Angulitermes acutus Mathur and Sen-Sarma, 1961

Angulitermes acutus Mathur and Sen-Sarma, 1961a: 401-406 (soldier, worker), figs. 1-2.

TYPE DATA: Holotype: FRI soldier. Paratypes: FRI soldier, workers, AMNH soldier, workers. Type locality: India: Tamil Nadu: Tinnevelly District: Pallayamcottah [08°44′N, 77°44′E].

- Mathur and Thapa, 1962a: 106 Angulitermes acutus; collection catalog. India.
- Chatterjee and Thakur, 1964b: 353 Angulitermes acutus; comparisons.
- Krishna, 1965a: 13 Angulitermes acutus; comparisons.
- Roonwal, 1970c: 351 Angulitermes acutus; distribution.
- Roonwal and Chhotani, 1971: 209, 210, 218 Angulitermes acutus; key; distribution.
- Akhtar, 1974a: 61 Angulitermes acutus; comparisons.
- Sen-Sarma, 1974: 459 Angulitermes acutus; ecology and biogeography. India.
- Sen-Sarma et al., 1975: 13, 63 Angulitermes acutus; distribution and ecology; key. India.
- Chhotani, 1977a: 32 Angulitermes acutus; distribution. India.
- Maiti, 1983: 81 Angulitermes acutus; comparisons.
- Bose, 1984: 138, fig. 103 Angulitermes acutus; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Verma, 1984b: 243, 247 Angulitermes acutus; key; distribution. India.
- Thakur, 1989b: 361 Angulitermes acutus; distribution. India.
- Verma, 1995a: 48 Angulitermes acutus; distribution. India: western Himalaya.
- Chhotani, 1997: 231–233, fig. 110 Angulitermes acutus; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 59 Angulitermes acutus; catalog. India.
- DISTRIBUTION: Oriental Region—India: Tamil Nadu, Uttar Pradesh.

### Angulitermes akhorisainensis Chatterjee and Thakur, 1964

*Angulitermes akhorisainensis* Chatterjee and Thakur, 1964b: 346–353 (imago, soldier, worker), pls. 1–3.

TYPE DATA: Holotype: FRI No. M.C. 20324/1 soldier. Paratypes: FRI imagoes, soldiers, workers, ZSI imago, soldier, worker, AMNH imago, soldier, worker.

Type Locality: India: Uttarakhand: Tehri Garhwal Forest Division: Tehri Range: Akhorisain block, 7000 feet.

- Roonwal and Chhotani, 1971: 209, 210, 213, 219 Angulitermes akhorisainensis; key; comparisons; distribution.
- Roonwal et al., 1974: 61, 64, 67, 69, fig. 21 Angulitermes akhorisainensis; wing micrasters.
- Sen-Sarma, 1974: 459 Angulitermes akhorisainensis; ecology and biogeography. India.
- Sen-Sarma et al., 1975: 13, 62 Angulitermes akhorisainensis; distribution and ecology; key. India.
- Roonwal and Verma. 1977a: 9 Angulitermes akhorisainensis; comparisons.
- Chhotani, 1977a: 32 Angulitermes akhorisainensis; distribution. India.
- Roonwal, 1978a: 103, 104 Angulitermes akhorisainensis; biology; distribution.
- Roonwal and Verma, 1980b: 461, figs. 2D, E Angulitermes akhorisainensis; wings described; wing microsculpturing.
- Sen-Sarma and Thakur, 1980a: 17, fig. 13 Angulitermes akhorisainensis; soldier measured and figured; synonymy; distribution. India.
- Verma, 1980: 46 Angulitermes akhorisainensis; checklist. India: Uttarakhand.
- Verma, 1984b: 243, 244, 247 Angulitermes akhorisainensis; key; distribution. India.
- Roonwal et al., 1986: 250, figs. 9N–V, pl. 9 Angulitermes akhorisainensis; wing microsculpturing.
- Verma, 1995a: 48 Angulitermes akhorisainensis; distribution. India: western Himalaya.
- Chhotani, 1997: 233–236, figs. 111–112 *Angulitermes akhorisainensis*; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 59 Angulitermes akhorisainensis; catalog. India.
- DISTRIBUTION: Oriental Region—India: Uttarakhand.

# Angulitermes arabiae Chhotani and Bose, 1979

Angulitermes arabiae Chhotani and Bose, 1979a: 80-82 (soldier, worker), fig. 5.

Type data: Holotype: MHNB soldier. Paratypes: MHNB soldier, workers, ZSI soldiers, workers. Type locality: Saudi Arabia: Qaraah Village.

- Johnson and Wood, 1980: 279-293 Angulitermes arabiae; checklist; ecology; distribution.
- Chhotani and Bose, 1982: 82 Angulitermes arabiae; discussion. Saudi Arabia.
- Chhotani and Bose, 1983: 126 Angulitermes arabiae; distribution. Arabian Peninsula.
- Badawi et al., 1986a: 416, 418 Angulitermes arabiae; distribution. Saudi Arabia.
- Chhotani, 1988: 370 Angulitermes arabiae; distribution. Oman.
- Cowie, 1989a: 160, 162, table 1 *Angulitermes arabiae*; checklist; biogeography; distribution. Saudi Arabia.
- Chhotani and Bose, 1991: 261, 263 Angulitermes arabiae; key. Saudi Arabia.
- Faragalla, 2002: 203 Angulitermes arabiae; checklist; ecozoogeography. Saudi Arabia.
- TISTRIBUTION: Palaearctic Region—Saudi Arabia.

# Angulitermes asirensis Chhotani and Bose, 1991

Angulitermes asirensis Chhotani and Bose, 1991: 259-260, 261, 263 (soldier, worker), fig. 1.

Type data: Holotype: MHNB soldier. Paratypes: MHNB workers. Type locality: Saudi Arabia: Rahifa: Asir [18°01′N, 42°46′E].

TISTRIBUTION: Palaearctic Region—Saudi Arabia.

## Angulitermes bhagsunagensis Thakur, 2008

Angulitermes bhagsunagensis Thakur (R.K.), 2008: 581-584 (soldier), fig.1.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers. Type locality: India: Himachal Pradesh: Bhagsunag, Dharamshala.

© DISTRIBUTION: Oriental Region—India: Himachal Pradesh.

## Angulitermes braunsi (Wasmann, 1908)

Mirotermes braunsi Wasmann, 1908b: 443 (soldier, worker, nymph).

Type data: Syntypes: NHMM soldiers, workers, nymphs [Van Boven, 1969a stated "type-specimen is lost," but no holotype was selected by Wasmann], AMNH soldier, workers.

Type locality: South Africa: Port Elizabeth [33°58′S, 25°36′E].

- Holmgren, 1912a: 109 Mirotermes (Mirotermes) Braunsi; listed.
- Fuller, 1925b: 180, 216 Mirotermes (Mirotermes) braunsi; soldier described; key; locality. South Africa.
- Sjöstedt, 1926d: 275, 276 Mirotermes Braunsi; reference list; key; biology; locality. South Africa.
- Emerson, 1928b: 537 Angulitermes braunsi; listed; new combination.
- Snyder, 1949a: 174 Angulitermes braunsi; catalog. South Africa.
- Harris, 1962b: 311, 312, 313, fig. 1 *Angulitermes braunsi*; synonymy; soldier measurements; locality. South Africa.
- Mathur and Thapa, 1962a: 106 Angulitermes braunsi; collection catalog. South Africa.
- Van Boven, 1969a: 37, 44 *Angulitermes braunsi*; types listed; soldier "type-specimen" [= syntype] lost.
- Bouillon and Mathot, 1971: table: no. 146 Angulitermes braunsi; measurements.
- TISTRIBUTION: Ethiopian Region—South Africa.

## Angulitermes ceylonicus (Holmgren, 1914)

Mirotermes (Mirotermes) ceylonicus Holmgren, 1914: 276 (soldier, worker) [not a homonym of *Termes ceylonicus* Wasmann, 1902d, as the names were never congeneric at the same time (ICZN, 1999: art. 59.2); *Termes ceylonicus* Wasmann, 1902d was placed in *Odontotermes* by Holmgren, 1913c: 124; therefore the replacement by Snyder, 1949a was unnecessary].

Type data: Syntypes: ZIHS soldier, workers.

Type locality: Sri Lanka (Ceylon): Maha-Iluppalama.

Lal and Menon, 1953: 51 • Mirotermes (Mirotermes) ceylonicus; catalog; reference list.
 Sri Lanka.

- Sen-Sarma, 1974: 459 *Angulitermes ceylonicus*; ecology and biogeography; new combination. Sri Lanka.
- Chhotani, 1997: 236–237 Angulitermes ceylonicus; discussion of ceylonicus as not being preoccupied; original description translated; synonymy; key. Sri Lanka.
- Ahmad and Akhtar, 2002: 59 Angulitermes ceylonicus; catalog. Sri Lanka.

Termes lighti Snyder, 1949a: 183 [unnecessary nom. nov. for Mirotermes (Mirotermes) ceylonicus Holmgren, 1914, which is neither a primary nor secondary homonym of Termes ceylonicus Wasmann, 1902d, as the names were never congeneric at the same time (ICZN, 1999: art. 59.2); Termes ceylonicus Wasmann, 1902 was placed in Odontotermes by Holmgren, 1913c].

- Ahmad, 1958: 181 Termes lighti; key.
- Roonwal and Chhotani, 1971: 209 Termes lighti; listed.
- Ahmad and Akhtar, 2002: 59 Termes lighti; catalog. Sri Lanka.
- © DISTRIBUTION: Oriental Region—Sri Lanka.

## Angulitermes dehraensis (Gardner, 1945)

Mirotermes dehraensis Gardner, 1945: 108-110 (imago, soldier, worker), figs. 5, 6.

Type data: Syntypes: FRI imagoes, soldiers, workers, BMNH imago, soldier, worker, ZSI imago, soldier, worker, AMNH imagoes, soldiers, workers, NCIP imago, soldier [incorrectly cited as paratypes by Ruelle, 1975b].

Type LOCALITY: India: Uttarakhand: Dehra Dun.

- Snyder, 1949a: 179 Termes dehraensis; catalog; new combination. India.
- Lal and Menon, 1953: 51 Mirotermes (Mirotermes) dehraensis; catalog; reference list. India.
- Roonwal and Pant, 1953: 60 Termes dehraensis; collection catalog. India.
- Ahmad, 1955b: 259, fig. 43 Angulitermes dehraensis; soldier described and figured; key; reference list; distribution; new combination. Pakistan.
- Ahmad, 1958: 181, 182 Angulitermes dehraensis; key.
- Mathur and Sen-Sarma, 1959a: 4 *Angulitermes dehraensis*; synonymy; biology; damage; distribution. India; Pakistan.
- Weidner, 1960a: 63, figs. 14, 15 Angulitermes dehraensis; synonymy; soldier, worker described, worker mandibles, soldier figured; key; distribution. Afghanistan.
- Mathur and Sen-Sarma, 1961a: 406 Angulitermes dehraensis; comparisons.
- Harris, 1962b: 311, 312 Angulitermes dehraensis; listed.
- Ahmad, 1962: 68 Angulitermes dehradunensis [sic]; distribution. Pakistan.
- Mathur and Sen-Sarma, 1962a: 14, 17 Angulitermes dehraensis; key.
- Mathur and Thapa, 1962a: 106 Angulitermes dehraensis; collection catalog. India.
- Chatterjee and Thakur, 1964b: 353 Angulitermes dehraensis; comparisons.
- Harris, 1964a: 171 Angulitermes dehraensis; listed.
- Chatterjee and Thakur, 1967: 6, 27–29, fig. 7 *Angulitermes dehraensis*; synonymy; soldier measurements; soldier figured; distribution. India; Pakistan.
- Harris, 1967b: 211 Angulitermes dehraensis; listed.
- Roonwal, 1970c: 351 Angulitermes dehraensis; biology; distribution.
- Roonwal and Chhotani, 1971: 209, 210, 213, 218 Angulitermes dehraensis; key; comparisons; distribution
- Chaudhry et al., 1972: 62, fig. 75 *Angulitermes dehraensis*; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 103 Angulitermes dehraensis; distribution. Afghanistan; India; Pakistan.

- Roonwal et al., 1974: 61, 64, 69, fig. 22 Angulitermes dehraensis; wing micrasters.
- Sen-Sarma, 1974: 459 Angulitermes dehraensis; ecology and biogeography. India.
- Ruelle, 1975b: 7 Angulitermes dehraensis; types listed.
- Kayani et al., 1979: 131 Angulitermes dehraensis; ecology; altitudinal distribution. Pakistan.
- Roonwal and Verma, 1980b: 461, figs. 2F, G Angulitermes dehraensis; wing microsculpturing.
- Verma, 1984b: 243, 247 Angulitermes dehraensis; key; distribution. Afghanistan; India;
   Pakistan.
- Verma, 1985d: 309, 310, 313 Angulitermes dehraensis; key; distribution.
- Ahmad, 1986: 17 Angulitermes dehraensis; distribution. Pakistan: Punjab, North West Frontier Province, divided Kashmir.
- Verma, 1986: 46–52 *Angulitermes dehraensis*; associations.
- Thakur, 1991: 58, 59, 60 Angulitermes dehraensis; swarming; biology; distribution.
- Verma and Rathore, 1993: 107-114 Angulitermes dehraensis; associations.
- Verma and Purohit, 1993: 197, 205 *Angulitermes dehraensis*; key; distribution. Afghanistan; India; Pakistan.
- Verma, 1995a: 48 Angulitermes dehraensis; distribution. India: western Himalaya.
- Verma, 1995c: 219, 226 *Angulitermes dehraensis*; key; distribution. Afghanistan; India; Pakistan.
- Verma and Rathore, 1995: 24, 26, 30 *Angulitermes dehraensis*; synonymy; key; distribution. Pakistan.
- Chhotani, 1997: 237–241, figs. 113–114 *Angulitermes dehraensis*; imago, soldier, worker described and figured; synonymy; key. Afghanistan, India; Pakistan.
- Parveen and Akhtar, 1997: 57–58, figs. 1, 2, 5A *Angulitermes dehraensis*; digestive tube, enteric valve described and figured.
- Ahmad and Akhtar, 2002: 59 Angulitermes dehraensis; catalog. Afghanistan; India; Pakistan
- Rathore and Tak, 2004a: 64 Angulitermes dehraensis; synonymy; soldier, worker described; distribution. Afghanistan, India; Pakistan.
- Rathore and Bhattacharyya, 2004: 12, 33, 65, pl. 5: fig. 37 *Angulitermes dehraensis*; key; checklist; soldier figured; distribution. Afghanistan, India; Pakistan.
- ♠ DISTRIBUTION: Oriental Region—India: Gujarat, Himachal Pradesh, Jammu and Kashmir, Rajasthan, Uttarakhand; Pakistan. ◆ Palaearctic Region—Afghanistan.

### Angulitermes elsenburgi (Fuller, 1925)

# *Mirotermes (Mirotermes) elsenburgi* Fuller, 1925b: 181–182 (soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH soldier [not type locality], NCIP soldier [lot also includes imagoes, but these were undescribed and are not types].

LECTOTYPE DESIGNATION: Ruelle, 1975b: 7 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: South Africa: Cape Town: Elsenburg [33°45′S, 18°45′E].

- Emerson, 1928b: 537 Angulitermes elsenburgi; listed; new combination.
- Snyder, 1949a: 174 Angulitermes elsenburgi; catalog; reference list. South Africa.
- Harris, 1962b: 311, 312, 313, fig. 1 *Angulitermes elsenburgi*; synonymy; soldier measurements; locality. South Africa.
- Bouillon and Mathot, 1971: table: no. 147 Angulitermes elsenburgi; measurements.
- Ruelle, 1975b: 7 Angulitermes elsenburgi; types listed.
- Uys, 2002: figs. 165–167 Angulitermes elsenburgi; soldier figured.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Angulitermes emersoni Akhtar, 1975

Angulitermes emersoni Akhtar, 1975: 162-166 (imago, soldier), figs. 79-80.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL imagoes, soldiers, workers, ZUPL imago, soldiers, workers [not type locality], FRIP imago, soldier, worker, USNM imago, soldier, worker, AMNH imago, soldier, worker, BMNH imago, soldier, worker.

Type Locality: Bangladesh: Dariadighi.

- Chaudhry et al., 1972: 62 *Angulitermes emersoni*; nomen nudum; biology; distribution. Bangladesh.
- Verma, 1984b: 243, 244, 246 Angulitermes emersoni; key; distribution. Bangladesh.
- Ahmad, 1986: 18 Angulitermes emersoni; distribution. Bangladesh.
- Chhotani, 1997: 241–243, figs. 115–116 *Angulitermes emersoni*; imago, soldier described and figured; synonymy; key. Bangladesh.
- Sands, 1998: 260, 444, figs. 1240, 1241 Angulitermes emersoni; gut figured; distribution. Bangladesh.
- Ahmad and Akhtar, 2002: 59 Angulitermes emersoni; catalog. Bangladesh.
- © DISTRIBUTION: Oriental Region—Bangladesh.

## Angulitermes fletcheri (Holmgren and Holmgren, 1917)

*Mirotermes* (*Mirotermes*) *fletcheri* Holmgren and Holmgren, 1917: 168–169 (soldier, worker) [subgeneric placement not stated but implied by Holmgren and Holmgren, 1917].

Type data: Lectotype: ZSI soldier. Paralectotypes: ZIHS soldiers, workers [not type locality], ZIHS soldiers, workers, ZSI soldiers, workers.

LECTOTYPE DESIGNATION: Chhotani, 1997: 246.

Type Locality: India: Karnataka; Bellary District; Hadagalli [see Chhotani, 1997: 246].

- Margabandhu, 1934: 710 Mirotermes fletcheri; annotated reference list; biology.
- Snyder, 1949a: 180 Termes fletcheri; catalog; new combination. India.
- Lal and Menon, 1953: 51 Mirotermes (Mirotermes) fletcheri; catalog; reference list. India.
- Ahmad, 1958: 181 Termes Fletcheri; key.
- Mathur and Sen-Sarma, 1961a: 406 Angulitermes fletcheri; comparisons; new combination.
- Ahmad, 1962: 68 Angulitermes fletcheri; distribution. Pakistan.
- Roonwal, 1970c: 351 Angulitermes fletcheri; distribution.
- Roonwal and Chhotani, 1971: 209, 210, 218 Angulitermes fletcheri; key; distribution.
- Sen-Sarma, 1974: 459 Angulitermes fletcheri; ecology and biogeography. India.
- Roonwal and Verma. 1977a: 9 Angulitermes fletcheri; comparisons.
- Roonwal, 1978c: 18 Angulitermes fletcheri; biology; distribution.
- Maiti, 1983: 81 Angulitermes fletcheri; comparisons.
- Bose, 1984: 138, 140, fig. 104 *Angulitermes fletcheri*; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Verma, 1984b: 243, 245 Angulitermes fletcheri; key; distribution. India.
- Thakur, 1989b: 361 Angulitermes fletcheri; distribution. India.
- Thakur, 1990: 53 Angulitermes fletcheri; distribution.
- Chhotani, 1997: 244–246, fig. 117 Angulitermes fletcheri; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 59 Angulitermes fletcheri; catalog. India.
- Roy, 2005: 140 Angulitermes fletcheri; checklist; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Karnataka.

# Angulitermes frontalis (Silvestri, 1908)

*Mirotermes frontalis* Silvestri, 1908: 78 (soldier), pl. IX: figs. 43–45.

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, workers.

Type locality: Botswana: Kalahari: Kooa [24°50′S, 24°25′E].

- Holmgren, 1912a: 109 Mirotermes (Mirotermes) frontalis; listed. Botswana.
- Hegh, 1922: 499, 700 Mirotermes (Mirotermes) frontalis; biology; reference list; distribution.
- Sjöstedt, 1924b: 257 Angulitermes frontalis; listed.
- Emerson, 1928b: 537 Angulitermes frontalis; listed; new combination.
- Fuller, 1925b: 181, 216 Mirotermes (Mirotermes) frontalis; soldier described; key; locality.
   South Africa.
- Sjöstedt, 1926d: 281, fig. 63, pl. 2: figs. E1-2 Angulitermes frontalis; listed.
- Sjöstedt, 1926c: 245, fig. 63 Angulitermes frontalis; soldier figured; reference list; locality. Botswana.
- Wheeler, 1936: 228 Angulitermes frontalis; ant ecological relationships.
- Snyder, 1949a: 175 Angulitermes frontalis; catalog; reference list. South Africa.
- Ahmad, 1950: 84, fig. 16 Angulitermes frontalis; worker mandibles figured.
- Webb, 1961: fig. 37 Angulitermes frontalis; soldier figured.
- Harris, 1962b: 311, 312, 313, 314, fig. 1 *Angulitermes frontalis*; synonymy; soldier measurements and figure; locality. Botswana; South Africa.
- Mathur and Thapa, 1962a: 107 Angulitermes frontalis; collection catalog. Southwest Africa.
- Bouillon and Mathot, 1965: 110, 111, pl. 23: figs. 73a-b Angulitermes frontalis; soldier figured.
- Bouillon and Mathot, 1971: table: no. 148 Angulitermes frontalis; measurements.
- Johnson and Wood, 1980: 279-293 Angulitermes frontalis; checklist; ecology; distribution.
- TISTRIBUTION: Ethiopian Region—Botswana; South Africa.

## Angulitermes hussaini Ahmad, 1955

Angulitermes hussaini Ahmad, 1955b: 260-261 (soldier, worker), fig. 44.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL soldier, workers, AMNH soldier. Type locality: Pakistan: Larkana.

- Ahmad, 1958: 182 Angulitermes hussaini; key.
- Mathur and Sen-Sarma, 1961a: 405 Angulitermes hussani [sic]; comparisons.
- Harris, 1962b: 311, 312 Angulitermes hussaini; comparisons.
- Ahmad, 1962: 68 Angulitermes hussaini; distribution. Pakistan.
- Harris, 1964a: 171 Angulitermes hussaini; comparisons.
- Krishna, 1965a: 11 Angulitermes hussaini; comparisons.
- Roonwal and Chhotani, 1971: 209, 210, 218 Angulitermes hussaini; key; distribution.
- Chaudhry et al., 1972: 63, fig. 76 Angulitermes hussaini; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 103 Angulitermes hussaini; distribution. Pakistan.
- Sen-Sarma, 1974: 459 Angulitermes husaini [sic]; ecology and biogeography. Pakistan.
- Roonwal and Verma. 1977a: 9 Angulitermes hussaini; comparisons.
- Verma, 1984b: 243, 246 Angulitermes hussaini; key; distribution. Pakistan.
- Ahmad, 1986: 17 Angulitermes hussaini; distribution. Pakistan: Punjab.
- Chhotani, 1997: 246–247. fig. 118 Angulitermes hussaini; soldier described and figured; synonymy; key. Pakistan.
- Ahmad and Akhtar, 2002: 59 Angulitermes hussaini; catalog. Pakistan.
- © DISTRIBUTION: Oriental Region—Pakistan.

# Angulitermes jodhpurensis Roonwal and Verma, 1977

Angulitermes jodhpurensis Roonwal and Verma, 1977a: 5-11 (imago, soldier, worker), figs. 1-5.

Type data: Holotype: ZSI soldier. Paratypes: ZSI imagoes, soldiers, workers, DRSJ imagoes, soldiers, workers, FRI imago, soldier, worker, AMNH imago, soldier, worker [never received at AMNH]. Type locality: India: Rajasthan: Jodhpur.

- Roonwal and Rathore, 1974: 237, 238, 244, 246–256, figs. 4–7 *Angulitermes jodhpurensis*; nomen nudum; swarming; post-swarming behavior; oviposition.
- Roonwal et al., 1974: 61, 64, 69, fig. 23 Angulitermes jodhpurensis; nomen nudum; wing micrasters.
- Roonwal, 1975f: 415 Angulitermes jodhpurensis; nomen nudum; sex ratio.
- Roonwal, 1975a: 46 Angulitermes jodhpurensis; nomen nudum; egg measurements.
- Roonwal, 1976: 464–465, 466, 467, 470, 474–475, 477–480, 488–489, fig. 9k *Angulitermes jodhpurensis*; nomen nudum; soldier figured; ecology; biology; distribution. India.
- Roonwal and Verma, 1977b: 442–444, 461, fig. 10 Angulitermes jodhpurensis; imago, soldier described and figured; biology; distribution. India.
- Roonwal and Rathore, 1979: 4-5, 16, fig. 4 Angulitermes jodhpurensis; egg morphology.
- Roonwal and Verma, 1980b: 461, figs. 2H-K, 3 Angulitermes jodhpurensis; wings described; wing microsculpturing.
- Thakur, 1980b: 121, 127, fig. 2 Angulitermes jodhpurensis; soldier figured; ecology; distribution. India.
- Thakur and Sen-Sarma, 1981: 39 Angulitermes jodhpurensis; swarming.
- Roonwal and Rathore, 1982: 329, 341, fig. 7 Angulitermes jodhpurensis; wing microsculpturing.
- Roonwal, 1983b: 153, pl. 2: figs. 6–8 *Angulitermes jodhpurensis*; wing microsculpturing; wing surfaces figured.
- Verma, 1984b: 243, 244, 245 Angulitermes jodhpurensis; key; distribution. India.
- Roonwal, 1985b: pl. 7 Angulitermes jodhpurensis; wing surfaces figured.
- Jones et al., 1988: 111 Angulitermes jodhpurensis; biology; dispersal flight; sex ratios.
- Verma and Rathore, 1995: 24, 26, 30 *Angulitermes jodhpurensis*; synonymy; key; distribution. India.
- Verma and Purohit, 1996: 238 Angulitermes jodhpurensis; listed. India: Rajasthan.
- Rathore, 1996: 174 Angulitermes jodhpurensis; ecology; distribution. India.
- Chhotani, 1997: 247–250, figs. 119–120 *Angulitermes jodhpurensis*; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 559 Angulitermes jodhpurensis; catalog. India.
- Rathore and Bhattacharyya, 2004: 12, 33, 65, pl. 5: fig. 38 *Angulitermes jodhpurensis*; key; checklist; soldier figured; distribution. India.

© DISTRIBUTION: Oriental Region—India: Rajasthan.

# Angulitermes kashmirensis Roonwal and Chhotani, 1971

Angulitermes kashmirensis Roonwal and Chhotani, 1971: 210-213 (soldier, worker), figs. 1-2.

Type data: Holotype: ZSI No. 5038/H8 soldier. Paratypes: ZSI No. 5039/H8 workers, ZSI soldier, workers, FRI workers, AMNH workers [never received at AMNH].

Type locality: India: Jammu and Kashmir, ca. 10 km east of Chineni near confluence of River Tawi and Binisangh Nullah, ca. 1122 m.

- Chhotani, 1977a: 32 Angulitermes kashmirensis; distribution. India.
- Sharma and Sharma, 1978: 88, 89 *Angulitermes kashmirensis*; checklist; distribution. India: Jammu and Kashmir.
- Verma, 1984b: 243, 248 Angulitermes kashmirensis; key; distribution. India.
- Verma, 1985d: 309, 310 Angulitermes kashmirensis; key; distribution.

- Chhotani, 1997: 251–253, figs. 121–122 *Angulitermes kashmirensis*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 59 Angulitermes kashmirensis; catalog. India.
- ♠ DISTRIBUTION: Oriental Region—India: Jammu and Kashmir.

### Angulitermes keralai Verma, 1984

Angulitermes keralai Verma, 1984b: 239-242 (soldier, worker), figs. 1-2.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldier, worker, FRI soldier.

Type locality: India: Kerala: Kondazhi.

- Verma, 1984b: 243, 245 Angulitermes keralai; key; distribution. India.
- Chhotani, 1997: 253–254, fig. 123 Angulitermes keralai; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 59 Angulitermes keralai; catalog. India.
- DISTRIBUTION: Oriental Region—India: Kerala.

# Angulitermes longifrons Maiti, 1983

Angulitermes longifrons Maiti, 1983: 77-81 (soldier, worker), fig. 23.

TYPE DATA: Holotype: ZSI No. 1070/H11 soldier. Paratypes: ZSI No. 1071/H11 soldiers, workers, FRI soldier, workers, AMNH soldier, workers [never received in AMNH].

Type Locality: India: West Bengal: Midnapore District: Gidhni [22°25′N, 86°53′E].

- Maiti and Saha, 1993: 512 Angulitermes longifrons; listed; distribution. India.
- Chhotani, 1997: 254–256, fig. 124 *Angulitermes longifrons*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 60 Angulitermes longifrons; catalog. India.
- © DISTRIBUTION: Oriental Region—India: West Bengal.

### Angulitermes mishrai Sen-Sarma and Thakur, 1975

Angulitermes mishrai Sen-Sarma et al., 1975: 13 [Original description includes a mention in a key (with differentiating characters from other species), and in a list with locality data; authorship is clearly attributed to Sen-Sarma and Thakur on p. 13].

Type data: Lectotype: FRI soldier. Paralectotypes: FRI soldiers, workers.

LECTOTYPE DESIGNATION: Sen-Sarma and Thakur, 1979: 20 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

TYPE LOCALITY: India: Tripura: Ambasa: Zoelchara.

- Sen-Sarma et al., 1975: 63 Angulitermes mishrai; distribution and ecology. India.
- Sen-Sarma and Thakur, 1979: 18–20, pls. 8, 9 *Angulitermes mishrai* [incorrectly as n. sp.]; soldier, worker described and figured; distribution. India.
- Verma, 1984b: 243, 246 Angulitermes mishrai; key; distribution. India.
- Chhotani, 1997: 256–257, fig. 125 *Angulitermes mishrai*; soldier, worker described and figured; synonymy; key. India.
- Maiti et al., 2000: 296, 301 Angulitermes mishrai; listed; distribution. India.
- Ahmad and Akhtar, 2002: 60 Angulitermes mishrai; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Tripura.

# Angulitermes nepalensis Mukherjee and Maiti, 2008

Angulitermes nepalensis Mukherjee and Maiti, 2008: 2-4 (soldier), fig. 1.

TYPE DATA: Holotype: ZSI 3763/H11 soldier. Paratype: ZSI soldier.

Type locality: Nepal: 10 miles NE Tanakpur, Nepal Forest.

♠ DISTRIBUTION: Oriental Region—Nepal.

### Angulitermes nilensis Harris, 1962

Angulitermes nilensis Harris, 1962b: 314-316 (imago, soldier), fig. 3.

Type data: Holotype: BMNH imago ♀. Paratypes: BMNH imagoes, soldiers, workers, AMNH soldier, worker.

Type locality: Sudan: Khartoum: Burri Woods [15°33′N, 33°32′E].

- Harris, 1964a: 171 Angulitermes nilensis; comparisons.
- Bouillon and Mathot, 1965: 45 Angulitermes nilensis; catalog. Eritrea; Sudan.
- Harris, 1968c: 2, 13, fig. 9 Angulitermes nilensis; soldier figured; biology; locality. Sudan.
- Bouillon and Mathot, 1971: table: no. 149 Angulitermes nilensis; measurements.
- Roy-Noël, 1972: 208, tables 1, 3 *Angulitermes nilensis*; biology; ecology; distribution. Senegal; Sudan to Ethiopia.
- Roy-Noël, 1974b: 526–609 *Angulitermes nilensis*; biology; ecology; distribution. Eritrea; Senegal; Sudan.
- Roy-Noël and Wane, 1977: 131, 133 Angulitermes nilensis; pest; distribution. Senegal.
- Johnson and Wood, 1980: 279–293 Angulitermes nilensis; checklist; ecology; distribution.
- Roy-Noël, 1982: 129, 133 Angulitermes nilensis; ecology; pest; distribution. Senegal.
- Cowie et al., 1990: 24, 26, table 1 Angulitermes nilensis; checklist; distribution. Ethiopia.
- Sands, 1998: 260, 443, 444, figs. 1220–1226, 1231–1239 *Angulitermes nilensis*; worker mandibles, gut figured; distribution. Eritrea; Kenya; Sudan; Tanzania.
- Tistribution: Ethiopian Region—Eritrea; Ethiopia; Kenya; Senegal; Sudan; Tanzania.

## Angulitermes obtusus (Holmgren and Holmgren, 1917)

Mirotermes (Mirotermes) obtusus Holmgren and Holmgren, 1917: 168 (soldier, worker).

Type data: Lectotype: ZSI soldier. Paralectotypes: ZSI soldiers, workers, nymphs, AMNH soldier, worker, nymph.

LECTOTYPE DESIGNATION: Chhotani, 1997: 259.

Type Locality: India: Karnataka: Bellary District: Hospet.

- Margabandhu, 1934: 710 Mirotermes (Mirotermes) obtusus; annotated reference list; biology.
- Snyder, 1949a: 184 Termes obtusus; catalog; new combination. India.
- Lal and Menon, 1953: 51 Mirotermes (Mirotermes) obtusus; catalog; reference list. India.
- Ahmad, 1955b: 260 Angulitermes obtusus; remarks; new combination.
- Ahmad, 1958: 182 Angulitermes obtusus; key.
- Mathur and Sen-Sarma, 1961a: 405 Angulitermes obtusus; comparisons.
- Harris, 1962b: 311, 312 Angulitermes obtusus; comparisons.
- Ahmad, 1962: 68 Angulitermes obtusus; distribution.
- Becker, 1962c: 147, 151, 160, 162, 163 *Angulitermes obtusus*; ecology; distribution. India [Pakistan incorrect].
- Mathur and Thapa, 1962a: 107 Angulitermes obtusus; collection catalog. India.

- Roonwal and Chhotani, 1971: 209, 210, 218 Angulitermes obtusus; key; distribution.
- Akhtar, 1974a: 61 Angulitermes obtusus; comparisons.
- Sen-Sarma, 1974: 459 Angulitermes obtusus; ecology and biogeography. India.
- Sen-Sarma et al., 1975: 13, 63 Angulitermes obtusus; distribution and ecology; key. India.
- Thakur, 1980b: 126 Angulitermes obtuses [sic]; soldier figured; ecology; distribution. India.
- Bose, 1984: 138, 140–142, fig. 105 *Angulitermes obtusus*; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Verma, 1984b: 243, 247 Angulitermes obtusus; key; distribution. India.
- Thakur, 1989b: 361 Angulitermes obtuses [sic]; distribution. India.
- Chhotani, 1997: 258–260, fig. 126 *Angulitermes obtusus*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 60 Angulitermes obtusus; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Karnataka.

### Angulitermes paanensis Krishna, 1965

Angulitermes paanensis Krishna, 1965a: 10-11 (soldier, worker), fig. 4.

Type data: Holotype: AMNH soldier. Paratypes: AMNH workers.

Type locality: Myanmar: Karen State: Pa-an: Yegaw.

- Roonwal, 1970c: 351 Angulitermes paanensis; distribution.
- Roonwal and Chhotani, 1971: 209, 210, 218 Angulitermes paanensis; key; distribution.
- Sen-Sarma, 1974: 459 Angulitermes paanensis; ecology and biogeography. Myanmar.
- Chhotani, 1977a: 32 Angulitermes paanensis; distribution. Myanmar.
- Verma, 1984b: 243, 246 Angulitermes paanensis; key; distribution. Myanmar.
- Tho, 1992: 206 Angulitermes paanensis; listed.
- Chhotani, 1997: 260–261, fig. 127 *Angulitermes paanensis*; soldier described and figured; synonymy; key. Myanmar.
- Ahmad and Akhtar, 2002: 60 Angulitermes paanensis; Manyamar [sic].
- © DISTRIBUTION: Oriental Region—Myanmar (Burma).

# Angulitermes punjabensis Akhtar, 1974

Angulitermes punjabensis Akhtar, 1974a: 59–61 (soldier, worker), fig. 20 [If *Dicuspiditermes punjabensis* (Holmgren and Holmgren, 1917) actually is an *Angulitermes*, as suggested by Chhotani, 1997, then *punjabensis* Akhtar would become a secondary homonym and would require a replacement name].

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL workers.

Type Locality: Pakistan: Punjab: Choa Saiden Shah.

- Chaudhry et al., 1972: 63 *Angulitermes punjabensis*; nomen nudum; biology; distribution. Pakistan.
- Akhtar, 1974b: 103 Angulitermes punjabensis; distribution. Pakistan.
- Verma, 1984b: 244, 246 Angulitermes punjabensis; key; distribution. India.
- Ahmad, 1986: 17 Angulitermes punjabensis; distribution. Pakistan: Punjab.
- Chhotani, 1997: 261–263, fig. 128 *Angulitermes punjabensis*; soldier described and figured; synonymy; key. Pakistan.
- Ahmad and Akhtar, 2002: 60 Angulitermes punjabensis; catalog. Pakistan.
- © DISTRIBUTION: Oriental Region—Pakistan.

# Angulitermes quadriceps Harris, 1964

Angulitermes quadriceps Harris, 1964a: 171-172 (soldier, worker), fig. 1.

TYPE DATA: Holotype: BMNH soldier. Paratypes: BMNH workers.

TYPE LOCALITY: Israel: Sdom area, on Sdom-Ilat road along west slope of rift valley.

- Kugler, 1988: 270, 272 Angulitermes quadriceps; distribution. Israel.
- Cowie, 1989a: 160, 162, table 1 *Angulitermes quadriceps*; checklist; biogeography; distribution. South Yemen.
- Chhotani and Bose, 1991: 260–261, 263 Angulitermes quadriceps; distribution, affinities; key.
   Saudi Arabia.
- ③ DISTRIBUTION: Ethiopian Region—Yemen: South Yemen. ◆ Palaearctic Region—Israel; Saudi Arabia.

### Angulitermes ramanii Bose and Das, 1982

Angulitermes ramanii Bose and Das, 1982: 198, 201, 203-205, 212 (soldier), fig. 1.

Type data: Holotype: ZSI No. 2370/H11 soldier. Paratype: ZSI No. 2371/H11 soldier.

Type Locality: India: Orissa: Chilka Lake: Barkuda Island.

- Bose and Das, 1987: 105, 110 Angulitermes ramanii; key; restricted synonymy; distribution. India.
- Chhotani, 1997: 263–264, fig. 129 Angulitermes ramanii; soldier described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 60 Angulitermes ramanii; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Orissa.

### Angulitermes rathorai Kumar and Thakur, 2010

Angulitermes rathorai Kumar and Thakur, 2010: 495-498 (soldier).

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

Type locality: Haryana.

© DISTRIBUTION: Oriental Region—India: Haryana.

### Angulitermes resimus Krishna, 1965

Angulitermes resimus Krishna, 1965a: 11–13 (soldier, worker), fig. 5.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldiers, workers.

Type locality: Myanmar: Maymyo, 22 miles E Mandalay.

- Roonwal and Chhotani, 1971: 209, 210, 218 Angulitermes resimus; key; distribution.
- Sen-Sarma, 1974: 459 Angulitermes resimus; ecology and biogeography. Myanmar.
- Chhotani, 1977a: 32 Angulitermes resimus; distribution. Myanmar.
- Maiti, 1983: 82 Angulitermes resimus; comparisons.
- Verma, 1984b: 244, 247 Angulitermes resimus; key; distribution. Myanmar.
- Tho, 1992: 206 Angulitermes resimus; listed.
- Chhotani, 1997: 264–265, fig. 130 *Angulitermes resimus*; soldier described and figured; synonymy; key. Myanmar.
- Ahmad and Akhtar, 2002: 60 Angulitermes resimus; catalog. Mayanmar [sic].
- © DISTRIBUTION: Oriental Region—Myanmar (Burma).

# Angulitermes tilaki Roonwal and Chhotani, 1971

Angulitermes tilaki Roonwal and Chhotani, 1971: 213-217 (soldier, worker), figs. 3-5.

Type data: Holotype: ZSI No. 5042/H8 soldier. Paratypes: ZSI No. 5043/H8 soldiers, workers, FRI workers, AMNH workers [never received at AMNH].

Type locality: India: Jammu and Kashmir: Udhampur District, ca. 1 km W Chineni, near confluence of River Tawi and Motor Shed Nullah, ca. 1090 m.

- Chhotani, 1977a: 32 Angulitermes tilaki; distribution. India.
- Sharma and Sharma, 1978: 88 *Angulitermes tilaki*; checklist; distribution. India: Jammu and Kashmir.
- Verma, 1984b: 244, 247 Angulitermes tilaki; key; distribution. India.
- Verma, 1985d: 309, 310, 313 Angulitermes tilaki; key; distribution.
- Chhotani, 1997: 266–269, figs. 131–133 *Angulitermes tilaki*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 60 Angulitermes tilaki; catalog. India.
- DISTRIBUTION: Oriental Region—India: Jammu and Kashmir.

### Angulitermes truncatus Sjöstedt, 1926

Angulitermes truncatus Sjöstedt, 1926c: 244–246 (imago, soldier, worker), fig. 2.

Type data: Syntypes: BMNH imagoes, soldier, worker, NHRM soldiers, workers, AMNH soldier, workers.

Type Locality: Ghana (Gold Coast): Accra [05°33′N, 15°W].

- Snyder, 1949a: 175 Angulitermes truncatus; catalog; reference list. Ghana.
- Kemp, 1955: 115, 118, 129 *Angulitermes truncatus*; ecology; distribution based on vegetation zones. Tanzania.
- Harris, 1962b: 311–318, fig. 4 *Angulitermes truncatus*; imago, soldier described and figured; locality. Ghana; Kenya; Nigeria; Tanzania; Uganda.
- Bouillon and Mathot, 1965: 45 *Angulitermes truncatus*; catalog. Kenya; Nigeria; Tanzania; Uganda.
- Bouillon, 1970: 233 Angulitermes truncatus; flight records. Tanzania.
- Bouillon and Mathot, 1971: table: no. 150 Angulitermes truncatus; measurements.
- Roy-Noël, 1972: 208–209, tables 1, 3 *Angulitermes truncatus*; biology; ecology; distribution. Senegal; from Ghana to Tanzania.
- Roy-Noël, 1974b: 526–609 *Angulitermes truncatus*; biology; ecology; distribution. Ghana; Kenya; Nigeria; Senegal; Tanzania; Uganda.
- Morimoto, 1975b: 35, fig. 126 Angulitermes truncatus; soldier figured.
- Johnson et al., 1980: 56 Angulitermes truncatus; checklist; biology; distribution. Nigeria.
- Medler, 1980: 55 Angulitermes truncatus; checklist. Nigeria.
- Nkunika, 1982: 114 Angulitermes trancatus [sic]; ecology; distribution. Zambia.
- Wanyonyi et al., 1984: 5 Angulitermes truncatus; checklist; distribution. Kenya; Tanzania; Uganda.
- Chhotani and Bose, 1986: 124 Angulitermes truncatus; material listed. Saudi Arabia.
- Cowie, 1989a: 159, 160, table 1 *Angulitermes truncatus*; checklist; biogeography; distribution. Saudi Arabia.
- Chhotani and Bose, 1991: 260-261, 263 Angulitermes truncatus; distribution; key. Saudi Arabia.
- Sands, 1998: 260 Angulitermes truncatus; distribution. Nigeria; Tanzania; Uganda.
- ♠ DISTRIBUTION: Ethiopian Region—Ghana; Kenya; Nigeria; Senegal; Tanzania; Uganda; Zambia. ◆ Palaearctic Region—Saudi Arabia.

# Apsenterotermes Miller, 1991

*Apsenterotermes* Miller, 1991: 1169–1170.

Type species: Apsenterotermes improcerus, 1991 by original designation.

- Watson and Abbey, 1993b: 4 Apsenterotermes; remarks; Australian species.
- ▲ 5 species.
- © DISTRIBUTION: Australian Region

## Apsenterotermes aspersus Miller, 1991

Apsenterotermes aspersus Miller, 1991: 1170-1173 (soldier), figs. 50-53, 345, 387.

Type data: Holotype: ANIC No. 9136 soldier. Paratypes: ANIC No. 10 10416 soldier, workers, ANIC soldier, workers [four series from non-type localities].

Type Locality: Australia: Western Australia, 640 km from Geraldton, on Carnarvon road [27°30′S, 114°43′E].

- Watson and Abbey, 1993b: 78, fig. 128 Apsenterotermes aspersus; distribution map.
- Watson et al., 1998: 213–214 *Apsenterotermes aspersus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland, Western Australia.

### Apsenterotermes declinatus Miller, 1991

Apsenterotermes declinatus Miller, 1991: 1173-1175 (soldier), figs. 54-57, 346, 383.

Type data: Holotype: ANIC No. 9137 soldier. Paratypes: ANIC No. 10 12999 queen, soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality]. Type locality: Australia: Queensland: Edungalba: Mourangee Station.

- Watson and Abbey, 1993b: 78, fig. 129 Apsenterotermes declinatus; distribution map.
- Watson et al., 1998: 214 *Apsenterotermes declinatus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

# **Apsenterotermes improcerus** Miller, 1991

Apsenterotermes improcerus Miller, 1991: 1174-1175 (soldier), figs. 58-61, 374, 383.

Type data: Holotype: ANIC No. 9138 soldier. Paratypes: ANIC No. 10 18180 soldiers, workers, AMNH soldier, worker, BMNH soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality].

Type Locality: Australia: Northern Territory: Jim Jim Gorge.

- Watson and Abbey, 1993b: 79, fig. 130 Apsenterotermes improcerus; distribution map.
- Watson et al., 1998: 214 Apsenterotermes improcerus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland.

# Apsenterotermes iridipennis (Gay, 1956)

Termes iridipennis Gay, 1956: 212–213 (imago, soldier), figs. 1F-H.

Type data: Holotype: ANIC No. 9119 imago ♀. Paratypes: ANIC No. 10 4139 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers, NCIP imagoes, soldiers.

Type locality: Australia: Western Australia: 5 mi NW Norseman.

- Calaby, 1956b: 120 Termes iridipennis; associations.
- Gay, 1971a: 3, 4, 5, 9, 13, 18, 35, figs. 9H, 10E *Termes iridipennis*; synonymy; key; imago, soldier mandibles figured.
- Ruelle, 1975b: 10 Termes iridipennis; types listed.
- Miller, 1991: 1175, figs. 62–65, 243–245, 348, 383 *Apsenterotermes iridipennis*; imago, soldier figured; new combination. Australia.
- Watson and Gay, 1991: fig. 20.7C Apsenterotermes iridipennis; gut figured.
- Watson and Abbey, 1993b: 79, fig. 131 Apsenterotermes iridipennis; distribution map.
- Watson et al., 1998: 214 *Apsenterotermes iridipennis*; catalog; synonymy; distribution; ecology. Australia.
- 🕙 DISTRIBUTION: Australian Region—Australia: Western Australia.

# Apsenterotermes stenopronos Miller, 1991

**Apsenterotermes stenopronos** Miller, 1991: 1176–1178 (soldier), figs. 66–69, 349, 383.

TYPE DATA: Holotype: ANIC No. 9139 soldier. Paratypes: ANIC No. 10 13179 workers. Type locality: Australia: Western Territory: Pindar.

- Watson and Abbey, 1993b: 80, fig. 132 Apsenterotermes stenopronos; distribution map.
- Watson et al., 1998: 214 *Apsenterotermes stenopronos*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Capritermes Wasmann, 1897

Capritermes Wasmann, 1897b: 151 [first introduced as a subgenus of Termes Linneaus, 1758].

Type species: Eutermes capricornis Wasmann, 1893 by original designation.

- Silvestri, 1903: 62 Capritermes [part]; synonymy; characters.
- Holmgren, 1906: 557 Capritermes [part]; discussion.
- Escherich, 1909: 177 Capritermes; characters.
- Holmgren, 1910b: 286 Capritermes; listed.
- Holmgren, 1911a: 12 Capritermes; listed.
- Wasmann, 1911c: 150 Capritermes; key.
- Holmgren, 1912a: 114 *Capritermes* [part]; characters; key; subgenera included; systematic position; *Capritermes* (*Capritermes*); key; species included.
- Warren, 1919: 2 Capritermes [part]; distribution.
- Emerson, 1925: 445 Capritermes; discussion; distribution; subgenera included.
- Sjöstedt, 1926d: 282 Capritermes; reference list; key.
- Emerson, 1928b: 409, 542 Capritermes; discussion; distribution; Capritermes (Capritermes); distribution.
- Kemner, 1934b: 171 Capritermes [part]; synonymy.
- Hare, 1937: 478, pl. 5 Capritermes; phylogeny; Holmgren's phylogeny compared.
- Tembrock, 1944: fig. 37 Capritermes; map; species distribution.

- Snyder, 1949a: 192 Capritermes [part]; catalog; reference list.
- Cachan, 1949: 186, 244 Capritermes; key; synonymy.
- Lal and Menon, 1953: 36, 45 Capritermes [part]; catalog; reference list; key.
- Emerson, 1955: 512 Capritermes; number of species; distribution.
- Weidner, 1955f: 73 Capritermes; number of species; distribution.
- Noirot and Kovoor, 1958: 450, 452, 454, 462, 468 Capritermes; digestive tube anatomy.
- Webb, 1961: 11 Capritermes; key.
- Krishna, 1968: 280–284 Capritermes; synonymy; key; characters; phylogeny; distribution.
- Morimoto, 1975b: 30, 32 Capritermes; key.
- Chhotani, 1987: 409 Capritermes [part]; Oriental Region distribution and zoogeography.

# ▲ 1 species.

TISTRIBUTION: Ethiopian Region.

# Capritermes capricornis (Wasmann, 1893)

Eutermes capricornis Wasmann, 1893: 242-244 (imago, soldier, worker).

Type data: Syntypes: NHMM imagoes, soldiers, workers, AMNH imagoes, soldiers, worker, nymph.

Type locality: Madagascar: Andrangoloaka.

- Wasmann, 1897b: 167, 174, pl. 9: fig. 11 Termes (Capritermes) capricornis; listed; new combination.
- Sjöstedt, 1900a: 71, 74, 140, 194–196 Eutermes capricornis; imago, soldier, worker described; key; biology; distribution. Madagascar.
- Czerwinski, 1901: 6 Eutermes capricornis; collection catalog. Madagascar.
- Sjöstedt, 1904: 30, 38, 47, 86, 115, pl. 2: figs. G1, G2 Eutermes capricornis; imago described; soldier figured; distribution. Madagascar.
- Desneux, 1904b: 41 Termes (Eutermes) capricornis; reference list. Madagascar.
- Holmgren, 1912a: 115, fig. 82 Capritermes (Capritermes) capricornis; listed; imago mandible figured; new combination. Madagascar.
- Hegh, 1922: 502, 702 Capritermes (Capritermes) capricornis; biology; reference list; distribution.
- Sjöstedt, 1926d: 282, fig. 64 *Capritermes capricornis*; reference list; key; biology; locality. Madagascar.
- Wheeler, 1936: 220 Capritermes capricornis; ant relationship.
- Snyder, 1949a: 192, 193 Capritermes capricornis; catalog; reference list. Madagascar.
- Cachan, 1949: 188, 244–247, figs. 29, 30 Capritermes capricornis; synonymy; imago, soldier described and figured; biology. Madagascar.
- Ahmad, 1950: 84, fig. 17 Capritermes capricornis; worker mandibles figured.
- Cachan, 1950a: 112, 115, 116, 117, figs. 14–20, pl. 5 *Capritermes capricornis*; imago, queen, soldier, worker figured; nest described and figured; distribution. Madagascar.
- Noirot, 1956: 151 Capritermes capricornis; supplementary reproductives.
- Grassé and Noirot, 1958b: 11 Capritermes capricornis; nest ventilation.
- Noirot and Kovoor, 1958: 470 Capritermes capricornis; digestive tube anatomy.
- Mathur and Thapa, 1962a: 108 Capritermes capricornis; collection catalog. Madagascar.
- Krishna, 1968: 280, 282, 284, 320, figs. 11–13 Capritermes capricornis; listed; worker mandibles, imago, soldier figured.
- Van Boven, 1969a: 44 Capritermes capricornis; types listed.
- Morimoto, 1975b: 32, fig. 99 Capritermes capricornis; soldier figured.
- Eggleton and Davies, 2003: 657, table 8.26 Capritermes capricornis; checklist; distribution.
   Madagascar and associated coastal islands.
- Tistribution: Ethiopian Region—Madagascar.

## Cavitermes Emerson, 1925

Cavitermes Emerson, 1925: 442 [first introduced as a subgenus of Mirotermes Wasmann, 1897].

Type species: Mirotermes (Cavitermes) tuberosus Emerson, 1925 by monotypy.

- Emerson, 1925: 442 Mirotermes (Cavitermes); discussion; characters.
- Emerson, 1928b: 408 Mirotermes (Cavitermes); distribution.
- Hare, 1937: 478, pl. 5 Cavitermes; phylogeny.
- Snyder, 1949a: 187 Cavitermes; catalog; reference list.
- Emerson, 1955: 512 Cavitermes; number of species; distribution.
- Weidner, 1955f: 73 Cavitermes; number of species; distribution.
- Araujo, 1970d: 535 Cavitermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 37 Cavitermes; key.
- Araujo, 1977c: 58, 59 Cavitermes; catalog.
- Mathews, 1977: 117, 119 Cavitermes; synonymy; characters; relationships.
- Bandeira, 1979b: 490 Cavitermes; ecology. Brazil: Amazonia State.
- Roonwal and Verma, 1980b: 468 Cavitermes; wing microsculpturing.
- Mill, 1982a: 255 Cavitermes; habitat; nest location; food; locality. Brazil.
- Mill, 1982b: 56 Cavitermes; habitat; nest location; food.
- Mill, 1983a: 181, 182 Cavitermes; key; number of species in New World; habitat; distribution.
- Roonwal, 1983b: 365 Cavitermes; wing microsculpturing.
- Constantino, 1998b: 199 Cavitermes; catalog.
- Fontes and Monteiro, 1998: 24 Cavitermes; etymology and pronunciation.
- Constantino, 1999a: 405, 418 Cavitermes; key; biology; distribution.
- Constantino, 2002a: 24 Cavitermes; key.

#### ▲ 5 species.

§ DISTRIBUTION: Neotropical Region.

### Cavitermes parmae Mathews, 1977

Cavitermes parmae Mathews, 1977: 120–121 (imago, soldier), figs. 49, 58.

TYPE DATA: Holotype: MZUSP soldier. Paratypes: BMNH queen, soldier, AMNH soldiers, workers. Type locality: Brazil: Mato Grosso: Xavantina [14°45′S, 52°20′W].

- Araujo, 1977c: 59 Cavitermes parmae; catalog. Brazil.
- Constantino, 1998b: 199 Cavitermes parmae; catalog. Brazil.
- TISTRIBUTION: Neotropical Region—Central Brazil.

### Cavitermes parvicavus Mathews, 1977

Cavitermes parvicavus Mathews, 1977: 119-120 (imago, soldier), figs. 50, 57, 61, 62, 88, pl. 24.

Type data: Holotype: MZUSP soldier. Paratypes: BMNH soldiers, workers, AMNH soldier, workers, MZUSP imagoes, soldiers, workers.

Type locality: Brazil: Mato Grosso: Serra do Ronchador [12°45′S, 51°46′W].

- Araujo, 1977c: 59 Cavitermes parvicavus; catalog. Brazil.
- Constantino, 1991c: 196, figs. 17–19 *Cavitermes parvicavus*; imago (previously unknown) described [earlier imago description by Mathews, 1977 not *parvicavus*]; imago, soldier figured; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 403 Cavitermes parvicavus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 199 Cavitermes parvicavus; catalog. Brazil.

- Fontes, 1998: 365 Cavitermes parvicavus; catalog; distribution. Brazil.
- Constantino and Cancello, 1999: 196–197 Cavitermes parvicavus; additions and corrections to Mathews, 1977.
- S DISTRIBUTION: Neotropical Region—Brazil.

### Cavitermes rozeni Krishna, 2003

Cavitermes rozeni Krishna, 2003: 1-10 (soldier), figs. 1-2.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldier, workers.

Type locality: Brazil: Amazonia: Manaus: Campos Salles.

TISTRIBUTION: Neotropical Region—Brazil.

# Cavitermes simplicinervis (Hagen, 1858)

*Termes (Eutermes) simplicinervis* Hagen, 1858c: 204, 243, 285 (imago) [Hagen, 1858 credited the name to Bates, but was himself responsible for making it available].

Type data: Holotype: MCZ No. 423 imago ♂ [by monotypy].

Type locality: Brazil: Pará: Santarém.

- Hagen, 1858b: 28 Termes (Entermes [sic]) simplicinervis; imago described; synonymy; distribution. Brazil.
- Hagen, 1861b: 301 Termes simplicinervis; synonymy; distribution. Brazil.
- Silvestri, 1903: 109 Termes simplicinervis; listed.
- Desneux, 1904b: 45 Termes (Eutermes) simplicinervis; reference list. Brazil.
- Snyder, 1949a: 187 Cavitermes simplicinervis; catalog; new combination. Brazil.
- Araujo, 1977c: 59 Cavitermes simplicinervis; catalog. Brazil.
- Constantino and Cancello, 1993: 403 Cavitermes simplicinervis; distribution. Brazil: Amazonia.
- Constantino, 1998b: 199 Cavitermes simplicinervis; catalog. Brazil.
- S DISTRIBUTION: Neotropical Region—Brazil: Pará.

### Cavitermes tuberosus (Emerson, 1925)

Mirotermes (Cavitermes) tuberosus Emerson, 1925: 442-444 (imago, soldier), fig. 88.

Type data: Holotype: AMNH soldier. Paratypes: AMNH queen, soldiers, workers, nymph, AMNH queen, soldiers, workers, nymphs [not type locality], USNM soldiers, workers [not type locality], AMNH soldiers, workers [not type locality], NHMM soldier, worker, MCZ No. 1057?, FRI soldiers, workers, nymphs.

Type locality: Guyana (British Guiana): Barakara.

- Adamson, 1937: 141, 145 Cavitermes tuberosus; listed; biology; distribution. Trinidad.
- Hare, 1937: 469, pl. 12: fig. 46 *Cavitermes tuberosus*; imago/worker, soldier mandibles measurements and figures; new combination.
- Adamson, 1940a: 12 Cavitermes tuberosus; listed; distribution. Trinidad.
- Adamson, 1946: 222 Cavitermes tuberosus; listed; distribution. Trinidad.
- Snyder, 1949a: 187 Cavitermes tuberosus; catalog; reference list. Guyana; Trinidad.
- Ahmad, 1950: 84, fig. 16 Cavitermes tuberosus; imago mandibles figured.
- Snyder, 1956b: 190, 198, 201 Cavitermes tuberosus; key; distribution. Trinidad.
- Mathur and Thapa, 1962a: 110 Cavitermes tuberosus; collection catalog. Guyana; Trinidad and Tobago.

- Van Boven, 1969a: 44 Cavitermes tuberosus; types listed.
- Morimoto, 1975b: 35, fig. 121 Cavitermes tuberosus; soldier figured.
- Araujo, 1977c: 59 Cavitermes tuberosus; catalog. Guyana; Trinidad.
- Roonwal and Verma, 1980b: 464, figs. 4A–C Cavitermes tuberosus; wings described; wing microsculpturing.
- Bandeira and Macambira, 1988: 175–190 Cavitermes tuberosus; ecology; distribution.
- Constantino, 1991c: 198, fig. 16 Cavitermes tuberosus; soldier figured; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 403 Cavitermes tuberosus; distribution. Brazil: Amazonia.
- Scheffrahn et al., 1994: 225, 234 Cavitermes tuberosus; distribution. Trinidad.
- Martius, 1997: 361–371 Cavitermes tuberosus; ecology; nutrition; nest type; locality. Brazil.
- Constantino, 1998b: 199 Cavitermes tuberosus; catalog. Brazil; Guyana; Trinidad.
- Fontes, 1998: 365 Cavitermes tuberosus; catalog; distribution. Brazil.
- Constantino, 1999a: figs. 142, 143 Cavitermes tuberosus; soldier figured.
- Issa, 2000: 381 Cavitermes tuberosus; checklist; distribution. Venezuela.
- Constantino, 2002a: figs. 170-171 Cavitermes tuberosus; soldier figured.
- Davies, 2002: 241 Cavitermes tuberosus; checklist; ecology; feeding groups; distribution. French Guiana.
- Davies et al., 2003a: 522 Cavitermes tuberosus; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Scheffrahn et al., 2003b: 33–38 Cavitermes tuberosus; distribution. Trinidad.
- Apolinário and Martius, 2004: 23–28 *Cavitermes tuberosus*; ecology; tree trunks; Amazonian rainforest.
- DISTRIBUTION: Neotropical Region—Brazil: Amazonia; French Guiana; Guyana; Trinidad; Venezuela.

# Cephalotermes Silvestri, 1912

### Cephalotermes Silvestri, 1912a: 232-234.

Type species: Eutermes rectangularis Sjöstedt, 1899 by original designation.

- Holmgren, 1912a: 76, 77, 84–85 *Cephalotermes*; characters; key; species included; systematic position.
- Sjöstedt, 1926d: 191 Cephalotermes; reference list.
- Emerson, 1928b: 407, 421 Cephalotermes; key; distribution.
- Snyder, 1949a: 110, 111 Cephalotermes; catalog; reference list; synonymy.
- Emerson, 1955: 510 Cephalotermes; number of species; distribution.
- Weidner, 1955f: 72 Cephalotermes; number of species; distribution.
- Weidner, 1956b: 64 Cephalotermes; key.
- Webb, 1961: 14 Cephalotermes; key.
- Bouillon and Mathot, 1965: 22, 84, 85, pl. 10: fig. 24b *Cephalotermes*; key; characters; imago/worker mandibles figured.
- Bouillon and Mathot, 1971: table *Cephalotermes*; number of species in Ethiopian Region; soldier measurements.
- Morimoto, 1975b: 30 Cephalotermes; key.
- Sands, 1998: 33, 187–190, figs. 669–681, pl. 9: fig. 7 *Cephalotermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.

Rectangulotermes Holmgren, 1912a: [unnecessary nom. nov. for Cephalotermes Silvestri, 1912].

#### ▲ 1 species.

TISTRIBUTION: Ethiopian Region.

# Cephalotermes rectangularis (Sjöstedt, 1899)

Eutermes rectangularis Sjöstedt, 1899a: 39 (soldier, worker).

Type data: Syntypes: EMAG soldier, worker (Cameroon), NHRM soldier, worker (Cameroon), AMNH soldier, worker (Cameroon: Mungo Fluss).

Type locality: Cameroon: Mungo Fluss.

- Sjöstedt, 1900a: 71, 78, 187–189, pl. 5: figs. L1–L6 *Eutermes rectangularis*; imago, soldier, worker described and figured; key; biology; distribution. Cameroon.
- Sjöstedt, 1904: 35, 46, 115 Eutermes rectangularis; key; distribution.
- Desneux, 1904b: 44 Termes (Eutermes) rectangularis; reference list; new combination. Cameroon.
- Wasmann, 1911c: 145–146 "Eutermes"; ?(Cylindrotermes) rectangularis; imago, soldier characters; biology; locality. Congo-Zaire.
- Silvestri, 1912a: 234–235, fig. 9 *Cephalotermes rectangularis*; imago, soldier, worker described and figured; new combination. São Tomé.
- Holmgren, 1912a: 84, figs. 53, 54, pl. 4: fig. 20 *Cephalotermes rectangularis*; listed; imago, soldier figured. Cameroon; Congo-Zaire.
- Silvestri, 1914a: 72 Cephalotermes rectangularis; biology; locality. Benin; Cameroon.
- Seabra, 1919b: 21 Cephalotermes rectangularis; distribution. São Tomé.
- Seabra and Seabra, 1921: 88 Cephalotermes rectangularis; distribution. São Tomé.
- Seabra, 1921b: 10–11, figs. 10–11 *Cephalotermes rectangularis*; soldier figured; biology; distribution. São Tomé.
- Hegh, 1922: 30, 91, 136, 469, 695, fig. 15n Cephalotermes rectangularis; biology; reference list; distribution.
- Seabra, 1922c: 86, 87, figs. 75, 76 Cephalotermes rectangularis; soldier figured; biology; distribution. São Tomé.
- Sjöstedt, 1926d: 191 Cephalotermes rectangularis; soldier figured; reference list; biology; locality.
   Benin; Cameroon; Congo-Zaire; São Tomé.
- Sjöstedt, 1926b: 153 Cephalotermes rectangularis; locality. Congo-Zaire.
- Grassé, 1939c: 370–378, figs. 1–6 *Cephalotermes rectangularis*; nest described and figured; nest construction; biology. Ivory Coast.
- Grassé, 1945: fig. 9 Cephalotermes rectangularis; nest associated with Pseudacanthotermes spiniger, Rostrotermes cornutus, Ancistrotermes sp. and Pericapritermes sp. figured. Ivory Coast.
- Snyder, 1949a: 111 Cephalotermes rectangularis; catalog; reference list. Cameroon; Congo-Zaire;
   Dahomey Island; São Tomé.
- Grassé, 1949: figs. 176, 177 Cephalotermes rectangularis; nest figured.
- Desneux, 1953: 69 Cephalotermes rectangularis; listed.
- Grassé and Noirot, 1959: 367 Cephalotermes rectangularis; bacteria.
- Emerson, 1960c: 34 Cephalotermes rectangularis; listed.
- Gabe and Noirot, 1961a: 411-425 Cephalotermes rectangularis; oogenesis.
- Webb, 1961: fig. 40 Cephalotermes rectangularis; soldier figured.
- Mathur and Thapa, 1962a: 40 Cephalotermes rectangularis; collection catalog. Sierra Leone.
- Bouillon and Mathot, 1965: 22, 40, 84, 85, pl. 10: fig. 24a *Cephalotermes rectangularis*; catalog; soldier figured. Ivory Coast.
- Noirot-Timothée and Noirot, 1965: 185-208 Cephalotermes rectangularis; intestine; histology.
- Noirot and Noirot-Timothée, 1966: 1099–1102 Cephalotermes rectangularis; intestine; histology.
- Noirot et al., 1967: 722, pls. 2, 3, 4 Cephalotermes rectangularis; intestine; histology.
- Gisler, 1967: 81 Cephalotermes rectangularis; distribution. Ivory Coast.
- Noirot and Noirot-Timothée, 1967a: 2796–2798 Cephalotermes rectangularis; intestine; histology.
- Noirot and Noirot-Timothée, 1967b: 577-592 Cephalotermes rectangularis; intestine; histology; symbiosis; bacteria.
- Bodot, 1969: 49 Cephalotermes rectangularis; colony composition and fluctuations.
- Noirot and Noirot-Timothée, 1969: 59, figs. 3.4, 3.5C *Cephalotermes rectangularis*; digestive tube figured; enteric valve; histology.

- Noirot, 1970: 83, fig. 3.3B Cephalotermes rectangularis; nest figured.
- Bouillon and Mathot, 1971: 9, table: no. 94 Cephalotermes rectangularis; catalog; measurements; distribution. Gabon.
- Weidner, 1974: 36, 37, fig. 13 Cephalotermes rectangularis; nest figured; remarks; locality. Angola.
- Roonwal, 1975f: 406, 409 Cephalotermes rectangularis; sexual dimorphism.
- Collins, 1977b: 9, 10, 11, 12, 13, fig. 2 Cephalotermes rectangularis; nest described and figured; ecology. Cameroon.
- Mathot, 1979: 11 Cephalotermes rectangularis; collection catalog; types listed.
- Collins, 1980b: 49 Cephalotermes rectangularis; nest; ecology. Cameroon.
- Johnson et al., 1980: 56 Cephalotermes rectangularis; checklist; biology; distribution. Nigeria.
- Medler, 1980: 55 Cephalotermes rectangularis; checklist. Cameroon; Dahomey; Nigeria.
- Sangare and Bodot, 1980: 131–141 *Cephalotermes rectangularis*; checklist; biology; distribution. Ivory Coast.
- Eggleton et al., 1996: 51-68 Cephalotermes rectangularis; checklist; feeding; ecology. Cameroon.
- Bignell et al., 1997: 120, table 8.2 Cephalotermes rectangularis; methane and other gas emissions.
- Eggleton and Bignell, 1997: 489–498 Cephalotermes rectangularis; mound; associations; ecology.
   Cameroon.
- Sugimoto et al., 1997: 220 Cephalotermes rectangularis; diet; methane emissions.
- Tayasu et al., 1997: 343-351 Cephalotermes rectangularis; nitrogen fixation; feeding. Cameroon.
- Sands, 1998: 189, 396, figs. 669–681 *Cephalotermes rectangularis*; worker mandibles and gut figured; locality. Ivory Coast; Nigeria; Sierra Leone.
- Kaib, 1999: 337 Cephalotermes rectangularis; trail pheromones; biochemistry.
- Noirot, 2001: 437, 438, figs. 6G, 7C Cephalotermes rectangularis; gut characters, figured.
- Eggleton et al., 2002b: 1243, table 1 Cephalotermes rectangularis; checklist; ecology; feeding and nesting groups; distribution. Congo-Brazzaville.
- Tistribution: Ethiopian Region—Benin (Dahomey); Cameroon; Congo-Brazzaville; Congo-Zaire; Gabon; Ivory Coast (Côte d'Ivoire); Nigeria; São Tomé and Principe.

## Cornicapritermes Emerson, 1950

### Cornicapritermes Emerson, 1950: 13-15.

Type species: Cornicapritermes mucronatus Emerson, 1950 by monotypy.

- Emerson, 1955: 512 Cornicapritermes; number of species; distribution.
- Weidner, 1955f: 73 Cornicapritermes; number of species; distribution.
- Krishna, 1968: 308–310 Cornicapritermes; synonymy; key; characters; phylogeny; species included; distribution.
- Araujo, 1970d: 535 Cornicapritermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 30 Cornicapritermes; key.
- Araujo, 1977c: 59 Cornicapritermes; catalog.
- Bandeira, 1979b: 490 Cornicapritermes; ecology. Brazil: Amazonia State.
- Mill, 1982a: 255 Cornicapritermes; habitat; nest location; food; locality. Brazil.
- Mill, 1983a: 180, 182 Cornicapritermes; key; number of species in New World; habitat; distribution.
- Constantino, 1998b: 199 Cornicapritermes; catalog.
- Fontes and Monteiro, 1998: 24 Cornicapritermes; etymology and pronunciation.
- Constantino, 1999a: 405, 418 Cornicapritermes; key; biology; distribution.
- Constantino, 2002a: 22 Cornicapritermes; key.

### ▲ 1 species.

§ DISTRIBUTION: Neotropical Region.

# Cornicapritermes mucronatus Emerson, 1950

Cornicapritermes mucronatus Emerson, 1950: 13-15 (soldier, worker), fig. 6.

Type data: Holotype: AMNH soldier. Paratypes: AMNH workers, AMNH soldier, workers, nymphs [not type locality].

Type Locality: Guyana (British Guiana): Penal Settlement [06°24′N, 58°39′W].

- Ahmad, 1950: 84, fig. 17 Cornicapritermes mucronatus; worker mandibles figured.
- Krishna, 1968: 308, 309, 310, figs. 36, 37 Cornicapritermes mucronatus; listed; worker mandibles, soldier figured.
- Morimoto, 1975b: 30, fig. 90 Cornicapritermes mucronatus; soldier figured.
- Araujo, 1977c: 59 Cornicapritermes mucronatus; catalog. Brazil; Guyana.
- Prestwich, 1984a: table 1 Cornicapritermes mucronatus; checklist; ecology; defense mode; chemicals; distribution.
- Bandeira and Macambira, 1988: 175-190 Cornicapritermes mucronatus; ecology; distribution.
- Bandeira, 1990: 225–241, table 1 Cornicapritermes mucronatus; ecology; distribution.
- Constantino and Cancello, 1993: 403 Cornicapritermes mucronatus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 199–200 Cornicapritermes mucronatus; catalog. Brazil; Guyana.
- Fontes, 1998: 365 Cornicapritermes mucronatus; catalog; distribution. Brazil; Guyana.
- Constantino, 1999a: figs. 136, 137 Cornicapritermes mucronatus; soldier figured.
- Constantino, 2002a: figs. 162–163 Cornicapritermes mucronatus; soldier figured.
- Davies, 2002: 241 Cornicapritermes mucronatus; checklist; ecology; feeding groups; distribution. French Guiana.
- Ensaf and Betsch, 2002: 347 Cornicapritermes mucronatus; soldier described. French Guiana.
- Davies et al., 2003a: 522 Cornicapritermes mucronatus; checklist; ecology; feeding groups; distribution. French Guiana.
- Ensaf et al., 2004: 285 Cornicapritermes mucronatus; checklist; distribution. French Guiana.
- ③ DISTRIBUTION: Neotropical Region—Brazil: Amazonia; French Guiana; Guyana.

# Crepititermes Emerson, 1925

Crepititermes Emerson, 1925: 433 [first introduced as a subgenus of Mirotermes Wasmann, 1897].

Type species: Mirotermes (Crepititermes) verruculosus Emerson, 1925 by monotypy.

- Emerson, 1925: 433 Mirotermes (Crepititermes); characters.
- Emerson, 1928b: 408 Mirotermes (Crepititermes); distribution.
- Snyder, 1949a: 177 Crepititermes; catalog; reference list.
- Emerson, 1955: 512 Crepititermes; number of species; distribution.
- Weidner, 1955f: 73 Crepititermes; number of species; distribution.
- Araujo, 1970d: 535 Crepititermes; distribution; number of species in Neotropical Region.
- Araujo, 1977c: 59 Crepititermes; catalog.
- Mathews, 1977: 133–134 Crepititermes; synonymy; characters; comparisons.
- Roonwal and Verma, 1980b: 468 Crepititermes; wing microsculpturing.
- Mill, 1982a: 255 Crepititermes; habitat; nest location; food; locality. Brazil.
- Mill, 1983a: 182, 186 Crepititermes; key; number of species in New World; habitat; distribution.
- Roonwal, 1983b: 365 Crepititermes; wing microsculpturing.
- Constantino, 1998b: 200 Crepititermes; catalog.
- Fontes and Monteiro, 1998: 24 Crepititermes; etymology and pronunciation.
- Constantino, 1999a: 405, 419 Crepititermes; key; biology; distribution.
- Constantino, 2002a: 24 Crepititermes; key.

#### ▲ 1 species.

§ DISTRIBUTION: Neotropical Region.

### Crepititermes verruculosus (Emerson, 1925)

Mirotermes (Crepititermes) verruculosus Emerson, 1925: 433-435 (imago, soldier), fig. 84.

Type data: Holotype: AMNH queen. Paratypes: AMNH imagoes, soldiers, workers, NHMM soldier, FRI soldier, workers.

Type Locality: Guyana (British Guiana): Kartabo.

- Adamson, 1937: 141, 145 Crepititermes verruculosus; listed; biology; distribution; new combination. Trinidad.
- Adamson, 1940a: 12 Crepititermes verruculosus; listed; distribution. Trinidad.
- Adamson, 1946: 222 Crepititermes verruculosus; listed; distribution. Trinidad.
- Snyder, 1949a: 177 Crepititermes verruculosus; catalog; reference list. Guyana.
- Ahmad, 1950: 84, fig. 16 Crepititermes verruculosus; imago mandibles figured.
- Snyder, 1956b: 190, 195 Crepititermes verruculosus; distribution. Trinidad.
- Mathur and Thapa, 1962a: 111 Crepititermes verruculosus; collection catalog. Guyana; Trinidad.
- Van Boven, 1969a: 44 Crepititermes verruculosus; types and nontypes listed. British Guiana.
- Araujo, 1977c: 59 Crepititermes verruculosus; catalog. Brazil; Guyana; Trinidad.
- Mathews, 1977: 134, figs. 70, 91 Crepititermes verruculosus; soldier mandibles figured. Brazil.
- Roonwal and Verma, 1980b: 462, figs. 2O-Q Crepititermes verruculosus; wings described; wing microsculpturing.
- Salick et al., 1983: 1–7 Crepititermes verruculosus; ecology; rainforest. Brazil.
- Prestwich, 1984a: table 1 Crepititermes verruculosus; checklist; ecology; defense mode; chemicals; distribution.
- Bandeira and Macambira, 1988: 175-190 Crepititermes verruculosus; ecology; distribution.
- Bandeira, 1990: 225–241, table 1 Crepititermes verruculosus; ecology; distribution.
- Constantino and Cancello, 1993: 403, 404 Crepititermes verruculosus; distribution. Brazil: Amazonia.
- Scheffrahn et al., 1994: 225, 234 Crepititermes verruculosus; distribution. Trinidad.
- Constantino, 1998b: 200 Crepititermes verruculosus; catalog. Brazil; Guyana; Trinidad.
- Fontes, 1998: 365 Crepititermes verruculosus; catalog; distribution. Brazil.
- Constantino, 1999a: figs. 144, 145 Crepititermes verruculosus; soldier figured.
- Constantino, 2002a: figs. 172–173 Crepititermes verruculosus; soldier figured.
- Davies, 2002: 241 Crepititermes verruculosus; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 Crepititermes verruculosus; checklist; ecology; feeding groups; distribution. French Guiana.
- Scheffrahn et al., 2003b: 33-38 Crepititermes verruculosus; distribution. Trinidad.
- (\$) DISTRIBUTION: Neotropical Region—Brazil; French Guiana; Guyana; Trinidad.

### Cristatitermes Miller, 1991

Cristatitermes Miller, 1991: 1192-1196.

Type species: Cristatitermes carinatus Miller, 1992 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes* [as genus and subgenus [part]; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 4 Cristatitermes; remarks; Australian species.
- ▲ 6 species.
- © DISTRIBUTION: Australian Region.

### Cristatitermes arenicola Miller, 1991

Cristatitermes arenicola Miller, 1991: 1196-1198 (soldier), figs. 98-101, 350, 386.

Type data: Holotype: ANIC No. 9142 soldier. Paratypes: ANIC No. 10 13983 soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers, BMNH soldiers, workers [Miller, 1991 indicated incorrectly that the AMNH specimens are from a non-type locality, but the AMNH specimens are from the type locality, as might also be the BMNH specimens].

Type locality: Australia: Western Australia: Mileura Station.

- Watson and Abbey, 1993b: 83, fig. 136 Cristatitermes arenicola; distribution map.
- Watson et al., 1998: 215 *Cristatitermes arenicola*; catalog; synonymy; distribution; ecology. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

### Cristatitermes barretti Miller, 1991

Cristatitermes barretti Miller, 1991: 1198-1199 (soldier), figs. 102-105, 351, 386.

Type data: Holotype: ANIC No. 9143 soldier. Paratypes: ANIC No. 10 20483 soldiers, workers, BMNH soldiers, workers, ANIC soldiers, workers [not type locality; Miller, 1991 indicated that specimens from this locality were in AMNH, but no specimens are present in the AMNH collection].

Type Locality: Australia: Western Australia: 15 km ESE of Derby.

- Watson and Abbey, 1993b: 83, fig. 137 Cristatitermes barretti; distribution map.
- Watson et al., 1998: 215 *Cristatitermes barretti*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

### Cristatitermes carinatus Miller, 1991

Cristatitermes carinatus Miller, 1991: 1200-1202 (imago, soldier), figs. 106-109, 279-281, 352, 386.

Type data: Holotype: ANIC No. 9144 imago ♀. Paratypes: ANIC queen, king, imagoes, soldiers, workers, nymphs, AMNH soldiers, workers, BMNH soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities].

Type locality: Australia: Northern Territory: Berrimah.

- Watson and Abbey, 1993b: 84, fig. 138 Cristatitermes carinatus; distribution map.
- Tayasu et al., 1998: 536–542 *Cristatitermes carinatus*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 216 *Cristatitermes carinatus*; catalog; synonymy; distribution; ecology. Australia.
- DISTRIBUTION: Australian Region—Australia: Northern Territory: Groote Eylandt.

### Cristatitermes froggatti (Hill, 1915)

Capritermes froggatti Hill, 1915: 98-100 (imago, soldier, worker) [misspelled as Copritermes].

Type data: Lectotype: NMV No. T-10865 queen. Paralectotypes: NMV soldiers, workers, AMNH soldier, workers.

LECTOTYPE DESIGNATION: Hill, 1927a: 99 [inadvertent selection by inference of "type" = holotype (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: 34 mi E Darwin.

- Hill, 1927a: 99, pl. 4: fig. 121 Mirotermes froggatti; soldier measurements and figure; locality; new combination. Australia.
- Hill, 1942: 383–384, fig. 293 *Mirotermes (Mirotermes) froggatti*; queen, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 180 Termes froggatti; catalog; new combination. Australia.
- Miller, 1991: 1202–1206, figs. 110–113, 282–284, 353, 387 *Cristatitermes froggatti*; imago, soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 84, fig. 139 Cristatitermes froggatti; distribution map.
- Inoue et al., 1997b: 159–171 Cristatitermes froggatti; mtDNA sequences; phylogeny [misspelled as Criatatitermes froggatti in figure].
- Sugimoto et al., 1997: 211, 213, 216, 220 *Cristatitermes froggatti*; methane and hydrogen emissions. Australia.
- Tayasu et al., 1998: 536–542 *Cristatitermes froggatti*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 216 *Cristatitermes froggatti*; catalog; synonymy; distribution; ecology. Australia.
- Dawes-Gromadzki, 2003: 397–404 Cristatitermes froggatti; ecology; foraging.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

# Cristatitermes pineaformis Miller, 1991

Cristatitermes pineaformis Miller, 1991: 1206-1208 (soldier, imago), figs. 114-117, 354, 388.

Type data: Holotype: ANIC No. 9145 soldier. Paratypes: ANIC No. 10 20440 queen, soldiers, workers, AMNH soldiers, workers, BMNH soldiers, workers, ANIC soldiers, workers [several series from non-type localities].

Type locality: Australia: Northern Territory: 48.5 km W Jabiru.

- Watson and Abbey, 1993b: 85, fig. 140 Cristatitermes pineaformis; distribution map.
- Watson et al., 1998: 216 Cristatitermes pineaformis; catalog; synonymy; distribution; ecology.
   Australia.
- 🕟 DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

### Cristatitermes tutulatus Miller, 1991

*Cristatitermes tutulatus* Miller, 1991: 1208–1212 (soldier), figs. 118–121, 355, 389.

Type data: Holotype: ANIC No. 9146 soldier. Paratypes: ANIC No. 10 16488 queen, soldiers, workers, nymphs, AMNH soldiers, workers, BMNH soldiers, workers, ANIC soldiers, workers [several series from non-type localities].

Type locality: Australia: Northern Territory: Gunn Point.

- Watson and Abbey, 1993b: 85, fig. 141 Cristatitermes tutulatus; distribution map.
- Watson et al., 1998: 216 *Cristatitermes tutulatus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

# Cylindrotermes Holmgren, 1906

### Cylindrotermes Holmgren, 1906: 542.

Type species: Cylindrotermes nordenskioldi Holmgren, 1906 by monotypy.

- Holmgren, 1910b: 286 Cylindrotermes; listed.
- Holmgren, 1911a: 12 Cylindrotermes; listed.
- Holmgren, 1912a: 77, 86–87 *Cylindrotermes*; characters; key; species included; systematic position.
- Emerson, 1925: 428 Cylindrotermes; distribution.
- Snyder, 1926e: 58 Cylindrotermes; remarks.
- Emerson, 1928b: 407 Cylindrotermes; distribution.
- Hare, 1937: 474, pl. 1 Cylindrotermes; phylogeny.
- Snyder, 1949a: 111 Cylindrotermes; catalog; reference list.
- Emerson, 1955: 510 Cylindrotermes; number of species; distribution.
- Weidner, 1955f: 72 Cylindrotermes; number of species; distribution.
- Araujo, 1970d: 533 Cylindrotermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 28 Cylindrotermes; key.
- Araujo, 1977c: 59 Cylindrotermes; catalog.
- Mathews, 1977: 103 Cylindrotermes; synonymy; characters.
- Mill, 1982b: 56 Cylindrotermes; habitat; nest location; food.
- Mill, 1983a: 182, 185 Cylindrotermes; key; number of species in New World; habitat; distribution.
- Nickle and Collins, 1992: 225, 227, 228 Cylindrotermes; key; characters.
- Constantino, 1998b: 200 Cylindrotermes; catalog.
- Fontes and Monteiro, 1998: 24 Cylindrotermes; etymology and pronunciation.
- Constantino, 1999a: 405, 419 Cylindrotermes; key; biology; distribution.
- Constantino, 2002a: 26 Cylindrotermes; key.
- Da Rocha and Cancello, 2007: 139 Cylindrotermes; imago, soldier, worker characters; biology.

### ▲ 8 species.

TISTRIBUTION: Neotropical Region.

## Cylindrotermes brevipilosus Snyder, 1926

Cylindrotermes brevipilosus Snyder, 1926e: 58-59 (soldier).

TYPE DATA: Holotype: USNM soldier. Paratypes: USNM workers.

Type locality: Bolivia: Ivon.

- Snyder, 1949a: 111 Cylindrotermes brevipilosus; catalog; reference list. Bolivia.
- Araujo, 1977c: 59 Cylindrotermes brevipilosus; catalog. Bolivia.
- Constantino, 1998b: 200 Cylindrotermes brevipilosus; catalog. Bolivia.
- Ensaf et al., 2001b: 428 Cylindrotermes brevipilosus; comparisons.
- Da Rocha and Cancello, 2007: 140–141, figs. 2, 3, 14 Cylindrotermes brevipilosus; imago (previously unknown), soldier described and figured; worker described; key; distribution. Brazil: Goiás, Mato Grosso, Rondônia.
- S DISTRIBUTION: Neotropical Region—Bolivia; Brazil.

### Cylindrotermes caata Da Rocha and Cancello, 2007

Cylindrotermes caata Da Rocha and Cancello, 2007: 142-143 (soldier, worker), figs. 4, 5.

Type data: Holotype: MZUSP soldier. Paratypes: MZUSP soldiers, workers.

Type locality: Brazil, São Paulo: Luis Antônio: Reserva Jatai.

\$\text{Distribution: Neotropical Region—Brazil: S\text{\tilde{a}}\text{o Paulo.}

## Cylindrotermes capixaba Da Rocha and Cancello, 2007

Cylindrotermes capixaba Da Rocha and Cancello, 2007: 143-144 (soldier, worker), fig. 6.

Type data: Holotype: MZUSP soldier. Paratypes: MZUSP soldiers, workers.

Type locality: Brazil: Espírito Santo: Cariacica.

§ DISTRIBUTION: Neotropical Region—Brazil: Espírito Santo.

## Cylindrotermes flangiatus Mathews, 1977

Cylindrotermes flangiatus Mathews, 1977: 103-104 (imago, soldier), figs. 45, 46.

Type data: Holotype: MZUSP imago &. Paratypes: BMNH imago, workers, AMNH imago, workers, MZUSP soldier, workers.

Type locality: Brazil: Mato Grosso: Serra do Ronchador [12°49′S, 51°46′W].

- Araujo, 1977c: 59 Cylindrotermes flangiatus; catalog. Brazil.
- Constantino, 1991c: 198, fig. 14 *Cylindrotermes flangiatus*; soldier figured; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 404 Cylindrotermes flangiatus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 200 Cylindrotermes flangiatus; catalog. Brazil.
- Fontes, 1998: 365 Cylindrotermes flangiatus; catalog; distribution. Brazil.
- Ensaf et al., 2001b: 428 *Cylindrotermes flangiatus*; comparisons.
- Da Rocha and Cancello, 2007: 144–146, figs. 7, 8, 14 *Cylindrotermes flangiatus*; imago, soldier described and figured; worker described; key; distribution. Brazil: Amazonia, Mato Grosso.
- ③ DISTRIBUTION: Neotropical Region—Brazil: Amazonia, Mato Grosso.

# Cylindrotermes macrognathus Snyder, 1929

Cylindrotermes macrognathus Snyder, 1929: 86–87 (soldier).

Type data: Holotype: USNM No. 41745 soldier. Paratypes: USNM soldiers, workers, AMNH soldiers, workers, FRI soldiers, workers.

Type locality: Panama: Barro Colorado Island.

- Snyder, 1926e: 58, 59 Cylindrotermes nordenskiöldi [misidentification]; remarks.
- Snyder, 1934b: 97 Cylindrotermes macrognathus; locality. Costa Rica.
- Hare, 1937: 468, pl. 13: fig. 52 *Cylindrotermes macrognathus*; imago/worker, soldier mandibles measurements and figures.
- Williams, 1941: 76 Cylindrotermes macrognathus; ecology; distribution. Panama.
- Snyder, 1949a: 111 Cylindrotermes macrognathus; catalog; reference list. Panama.
- Mathur and Thapa, 1962a: 40 Cylindrotermes macrognathus; collection catalog. Panama.
- Araujo, 1977c: 59 Cylindrotermes macrognathus; catalog. Costa Rica; Panama.

- Nickle and Collins, 1992: 209, 228, fig. 13.62 Cylindrotermes macrognathus; soldier figured; distribution. Panama.
- Constantino, 1998b: 200 Cylindrotermes macrognathus; catalog. Costa Rica; Panama.
- Fontes, 1998: 365 *Cylindrotermes macrognathus*; catalog.
- Ensaf et al., 2001b: 428 Cylindrotermes macrognathus; comparisons.
- Roisin et al., 2006: 301–311 Cylindrotermes macrognathus; ecology; canopy forest; species richness; vertical distribution. Panama.
- Da Rocha and Cancello, 2007: 146–147, figs. 9, 10, 15 Cylindrotermes macrognathus; imago (previously unknown), soldier described and figured; worker described; key; distribution. Costa Rica; Panama.
- TISTRIBUTION: Neotropical Region—Costa Rica; Panama.

# Cylindrotermes nordenskioldi Holmgren, 1906

*Cylindrotermes nordenskioldi* Holmgren, 1906: 542–544 (soldier, worker), figs. G, H [Originally introduced as "*nordenskiöldi*" but this name not based on a German root, so no "e" is needed after "o" and only the umlaut need be deleted (ICZN. 1999, art. 32.5.2.1)].

Type data: Syntypes: NHRM soldiers, workers, AMNH soldier, workers.

Type locality: Bolivia: Caupolican: Tuiche.

- Holmgren, 1912a: 86, fig. 55, pl. 4: fig. 21 *Cylindrotermes Nordenskiöldi*; listed; soldier figured. Bolivia
- Snyder, 1925j: 193 Cylindrotermes nordenskiöldi; listed. Panama.
- Snyder, 1926e: 58, 59 Cylindrotermes nordenskiöldi; comparisons.
- Snyder, 1949a: 112 Cylindrotermes nordenskioldi; catalog; reference list. Bolivia.
- Ahmad, 1950: 83, fig. 13 Cylindrotermes nordenskiöldi; worker mandibles figured.
- Mathur and Thapa, 1962a: 40 Cylindrotermes nordenskiöldi; collection catalog. Bolivia.
- Araujo, 1977c: 60 Cylindrotermes nordenskioeldi [sic]; catalog. Bolivia.
- Constantino, 1998b: 200 Cylindrotermes nordenskioeldi [sic]; catalog. Bolivia.
- Ensaf et al., 2001b: 428 Cylindrotermes nordenskioeldi [sic]; comparisons.
- Miranda et al., 2004: 237–241 *Cylindrotermes nordenskioeldi* [sic]; abundance; feeding habits; damage. Brazil.
- S DISTRIBUTION: Neotropical Region—Bolivia.

# Cylindrotermes parvignathus Emerson, 1949

*Cylindrotermes parvignathus* Emerson, 1949d: 112 [Emerson, 1949 gave a new species name to the misidentification by Emerson, 1925 of *Cylindrotermes nordenskioldi* Holmgren from Karabo, British Guiana. Emerson did not give any formal description but only refered to Emerson, 1925].

Type data: Holotype: AMNH soldier. Paratypes: AMNH queen, imagoes, soldiers, workers, MCZ No. 1051?, FRI imago, soldiers, workers, nymphs, ZSI soldier, worker.

Type locality: Guyana (British Guiana): Kartabo.

- Emerson, 1925: 311, 312, 428–430, fig. 82 *Cylindrotermes nordenskiöldi* [misidentification; new name given by Emerson, 1949]; imago, soldier described and figured; key. [Guyana = *parvignathus*].
- Snyder, 1926e: 58, 59 *Cylindrotermes nordenskiöldi* [misidentification]; comparisons. [Kartabo = parvignathus].
- Snyder, 1949a: 112 Cylindrotermes parvignathus; catalog; reference list. Guyana.
- Mathur and Thapa, 1962a: 41 Cylindrotermes parvignathus; collection catalog. Guyana.

- Araujo, 1977c: 60 Cylindrotermes parvignathus; catalog. Brazil; Guyana.
- Mathews, 1977: 103 Cylindrotermes parvignathus; synonymy. Brazil.
- Salick et al., 1983: 1-7 Cylindrotermes parvignathus; ecology; rainforest. Brazil.
- Bandeira and Macambira, 1988: 175–190 Cylindrotermes parvignathus; ecology; distribution.
- Constantino, 1991c: 198, fig. 15 *Cylindrotermes parvignathus*; soldier figured; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 404 Cylindrotermes parvignathus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 200 Cylindrotermes parvignathus; catalog. Brazil; Guyana.
- Fontes, 1998: 365 Cylindrotermes parvignathus; catalog; distribution. Brazil; Guyana.
- Constantino, 1999a: figs. 122, 123 Cylindrotermes parvignathus; soldier figured.
- Eggleton et al., 1999a: 688 Cylindrotermes parvignathus; checklist. Guyana.
- Ensaf et al., 2001b: 427–428 *Cylindrotermes parvignathus*; soldier described; first record. French Guiana.
- Constantino, 2002a: figs. 153-154 Cylindrotermes parvignathus; soldier figured.
- Davies, 2002: 241 Cylindrotermes parvignathus; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 *Cylindrotermes parvignathus*; checklist; ecology; feeding groups; distribution. French Guiana.
- Amaral-Castro et al., 2004: 720, table 1 *Cylindrotermes parvignathus*; damage; *Eucalyptus*; distribution. Brazil: Minas Gerais.
- Ensaf et al., 2004: 284 Cylindrotermes parvignathus; checklist; distribution. French Guiana.
- Da Rocha and Cancello, 2007: 147–149, figs. 11, 12, 15 *Cylindrotermes parvignathus*; imago, soldier described and figured; worker described; key; distribution. Brazil: Amazonia, Maranhão, Pará; Guyana; Suriname.
- § DISTRIBUTION: Neotropical Region—Brazil; French Guiana; Guyana.

### *Cylindrotermes sapiranga* Da Rocha and Cancello, 2007

Cylindrotermes sapiranga Da Rocha and Cancello, 2007: 150 (soldier, worker), figs. 13, 15.

Type data: Holotype: MZUSP soldier. Paratypes: MZUSP soldiers, workers.

Type locality: Brazil, Bahia: Reserva Ecologia de Sapiranga.

S DISTRIBUTION: Neotropical Region—Brazil: Bahia, Paraíba, Pernambuco, Sergipe.

# Dentispicotermes Emerson, 1949

Dentispicotermes Emerson, 1949j: 177, 374, 375.

Type species: Capritermes globicephalus Silvestri, 1901 by original designation.

- Snyder, 1949a: 177 Dentispicotermes; catalog; reference list.
- Emerson, 1955: 512 *Dentispicotermes*; number of species; distribution.
- Weidner, 1955f: 73 *Dentispicotermes*; number of species; distribution.
- Araujo, 1969: 249–251 *Dentispicotermes*; key; synonymy; characters; comparisons.
- Araujo, 1970d: 535 Dentispicotermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 37 Dentispicotermes; key.
- Araujo, 1977c: 60 Dentispicotermes; catalog; synonymy.
- Mathews, 1977: 128 *Dentispicotermes*; synonymy; characters; relationships.
- Mill, 1982a: 255 Dentispicotermes; habitat; nest location; food; locality. Brazil.
- Mill, 1983a: 182, 185 Dentispicotermes; key; number of species in New World; habitat; distribution.
- Constantino, 1998b: 201 *Dentispicotermes*; catalog.

- Fontes and Monteiro, 1998: 25 Dentispicotermes; etymology and pronunciation.
- Constantino, 1999a: 406, 417 Dentispicotermes; key; biology; distribution.
- Constantino, 2002a: 22 Dentispicotermes; key.

*Spicotermes* Emerson, 1950: 6–10 [junior subjective synonym of *Dentispicotermes* Emerson, 1949; synonymized by Mathews, 1977].

Type species: Spicotermes brevicarinatus Emerson, 1950 by monotypy.

- Emerson, 1955: 512 Spicotermes; number of species; distribution [listed as valid].
- Weidner, 1955f: 73 Spicotermes; number of species; distribution [listed as valid].
- Araujo, 1969: 249, 250 Spicotermes; key; comparisons.
- Araujo, 1970d: 535 Spicotermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 38 Spicotermes; key.
- Mathews, 1977: 128 Spicotermes; synonymized with Dentispicotermes.

# ▲ 5 species.

TISTRIBUTION: Neotropical Region.

## Dentispicotermes brevicarinatus (Emerson, 1950)

Spicotermes brevicarinatus Emerson, 1950: 6–10 (imago, soldier), figs. 3, 4.

Type data: Holotype: AMNH soldier. Paratypes: AMNH queen, soldiers, workers, FRI soldiers, workers, ZSI soldier, worker, AMNH soldiers, workers [not type locality], USNM soldiers, workers [not type locality], NCIP soldier [not type locality].

Type locality: Guyana (British Guiana): Oronoque River [02°49′N, 57°45′W].

- Ahmad, 1950: 84, fig. 16 Spicotermes brevicarinatus; worker mandibles figured.
- Mathur and Thapa, 1962a: 119 Spicotermes brevicarinatus; collection catalog. Guyana.
- Araujo, 1969: 250 Spicotermes brevicarinatus; comparisons.
- Morimoto, 1975b: 35, fig. 127 Spicotermes brevicarinatus; soldier figured.
- Ruelle, 1975b: 10 Spicotermes brevicarinatus; types listed.
- Araujo, 1977c: 60 Dentispicotermes brevicarinatus; catalog. Guyana.
- Mathews, 1977: 128, 129 Dentispicotermes brevicarinatus; listed; comparisons; new combination.
- Mill, 1983b: 313 Dentispicotermes brevicarinatus; nest site; swarming; locality. Brazil.
- Constantino, 1998b: 200 Dentispicotermes brevicarinatus; catalog. Guyana.
- Davies, 2002: 241 Dentispicotermes brevicarinatus; checklist; ecology; feeding groups; distribution. French Guiana.
- Davies et al., 2003a: 522 Dentispicotermes brevicarinatus; checklist; ecology; feeding groups; distribution. French Guiana.
- TISTRIBUTION: Neotropical Region—French Guiana; Guyana.

# Dentispicotermes conjunctus Araujo, 1969

Dentispicotermes conjunctus Araujo, 1969: 251–254, figs. 1–9 (soldier, worker).

TYPE DATA: Holotype: MZUSP soldier. Paratypes: MZUSP soldiers, workers, MZUSP soldiers, workers [not type locality].

Type locality: Brazil: Minas Gerais: Poços de Caldas [21°50′20″S, 46°33′53″W].

- Snyder, 1949a: 375 Dentispicotermes n. sp.
- Emerson, 1950: 9 Dentispicotermes sp.

- Emerson, 1955: 512 Dentispicotermes n. sp.
- Araujo, 1958a: 212 Dentispicotermes n. sp.
- Araujo, 1961: 106 Dentispicotermes n. sp.
- Araujo, 1977c: 60 Dentispicotermes conjunctus; catalog. Brazil.
- Constantino, 1998b: 200-201 Dentispicotermes conjunctus; catalog. Brazil.
- Galbiati et al., 2005: 931, table 1 Dentispicotermes conjunctus; checklist; diversity; distribution.
   Brazil: Minas Gerais.
- § DISTRIBUTION: Neotropical Region—Southeastern Brazil.

# Dentispicotermes cupiporanga Bandeira and Cancello, 1992

Dentispicotermes cupiporanga Bandeira and Cancello, 1992: 430–433 (soldier, worker), figs. 11–13.

Type data: Holotype: INPA No. 307 soldier. Paratypes: INPA No. 307 soldiers, workers, MPEG No. 3692 soldiers, workers [not type locality], MZUSP No. 9442 soldiers, workers [not type locality], MPEG No. 3233 soldiers, workers [not type locality], MZUSP No. 9421 soldiers, workers [not type locality].

Type locality: Brazil: Roraima: Ilha de Maracá.

- Constantino, 1998b: 201 Dentispicotermes cupiporanga; catalog. Brazil.
- Fontes, 1998: 365 Dentispicotermes cupiporanga; catalog; distribution. Brazil.
- 🕏 DISTRIBUTION: Neotropical Region—Brazil: Amapa, Amazonia, Roraima.

# Dentispicotermes globicephalus (Silvestri, 1901)

Capritermes globicephalus Silvestri, 1901: 6 (soldier).

TYPE DATA: Lectotype: IEA soldiers, workers [incorrectly mentioned as syntypes by Constantino, 1998b]. Paralectotypes: AMNH soldier, workers.

Lectotype designation: Araujo, 1969: 250.

Туре LOCALITY: Brazil: Mato Grosso: Cuiabá.

- Silvestri, 1902a: 12 Mirotermes globicephalus; biology.
- Silvestri, 1903: 70–71, 129, pl. 3: fig. 125 *Mirotermes globicephalus*; imago, worker described; imago figured; new combination. Brazil.
- Desneux, 1904b: 42 Termes (Eutermes) globicephalus; reference list; new combination. Brazil.
- Holmgren, 1906: 669 Mirotermes fur globicephalus; distribution. Brazil.
- Holmgren, 1912a: 109, 110, 119 Orthognathotermes ?globicephalus; listed; new combination. Brazil.
- Emerson, 1925: 451 Mirotermes globicephalus; remarks.
- Snyder, 1949a: 177 Dentispicotermes globicephalus; catalog; reference list. Brazil.
- Emerson, 1949j: 374 Dentispicotermes globicephalus; listed; new combination.
- Araujo, 1958a: 212 Dentispicotermes globicephalus; distribution.
- Araujo, 1969: 249, 250–251, 252 *Dentispicotermes globicephalus*; synonymy; soldier measurements; comparisons; ecology.
- Araujo, 1977c: 60 Dentispicotermes globicephalus; catalog. Brazil.
- Constantino, 1998b: 201 Dentispicotermes globicephalus; catalog. Brazil.
- Constantino, 1999a: figs. 150, 151 Dentispicotermes globicephalus; soldier figured.
- Constantino, 2002a: figs. 184-185 Dentispicotermes globicephalus; soldier figured.
- Ferreira da Cunha et al., 2006: 518 Dentispicotermes globicephalus; checklist; distribution.
   Brazil: Goiás State.
- § DISTRIBUTION: Neotropical Region—Brazil: Goiás, Mato Grosso.

## Dentispicotermes pantanalis Mathews, 1977

Dentispicotermes pantanalis Mathews, 1977: 128-129 (soldier), figs. 65, 76, 89, pl. 27.

Type data: Holotype: MZUSP soldier. Paratypes: BMNH soldiers, workers, AMNH soldiers, workers, MZUSP soldiers, workers.

Type locality: Brazil: Mato Grosso: Xavantina [14°45′S, 52°20′W].

- Araujo, 1977c: 60 Dentispicotermes pantanalis; catalog. Brazil.
- Fontes, 1983: 143 Dentispicotermes pantanalis; additions and corrections to Araujo's catalog 1977c.
- Constantino, 1998b: 201 Dentispicotermes pantanalis; catalog. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil.

## Dicuspiditermes Krishna, 1968

#### Dicuspiditermes Krishna, 1968: 286-290.

Type species: Capritermes obtusus Silvestri, 1923 by original designation.

- Haviland, 1898: 378, 412 Termes "section with T. nemorosus for type"; characters; key.
- Wasmann, 1902d: 125-126 Capritermes [part]; characters; species included.
- Snyder, 1949a: 192 Capritermes [part]; catalog; reference list.
- Krishna, 1968: 286–290 Dicuspiditermes; synonymy; key; characters; phylogeny; species included; distribution.
- Chaudhry et al., 1972: 65-66 Dicuspiditermes; characters.
- Chhotani and Bose, 1973: 235 Discuspiditermes; distribution. Indian region.
- Akhtar, 1974b: 94, 95, 96, 98, 100 Dicuspiditermes; distribution; ecology. Pakistan.
- Sen-Sarma, 1974: 440, 446, 458–459 Discuspiditermes; ecology and biogeography.
- Akhtar, 1975: 59, 60 Dicuspiditermes; key.
- Morimoto, 1975b: 31 Dicuspiditermes; key.
- Sen-Sarma et al., 1975: 2, 4, 9 Dicuspiditermes; distribution and ecology; key. India.
- Chhotani and Bose, 1979b: 21 Discuspiditermes; nesting behavior and nests. India.
- Sen-Sarma and Thakur, 1979: 5 Discuspiditermes; key.
- Roonwal and Verma, 1980b: 468 Discuspiditermes; wing microsculpturing.
- Ahmad and Akhtar, 1981: 2, 3, fig. 11 Dicuspiditermes; key; enteric valve cushions figured.
- Bose and Das, 1982: 201 Dicuspiditermes; key.
- Maiti, 1983: 18, 24 Dicuspiditermes; key.
- Roonwal, 1983b: 365 Dicuspiditermes; wing microsculpturing.
- Bose, 1984: 101, 103, 144 Dicuspiditermes; key; synonymy; remarks.
- Collins, 1984: 78 Dicuspiditermes; key.
- Chhotani, 1986: 23–24 *Dicuspiditermes*; Oriental Region distribution and zoogeography.
- Abe, 1987: 127 *Dicuspiditermes*; ecology; nest distribution.
- Bose and Das, 1987: 110 Dicuspiditermes; key.
- Chhotani, 1987: 409, 417 Dicuspiditermes; Oriental Region distribution and zoogeography.
- Huang et al., 1989: 391, 489 Dicuspiditermes; key; characters; distribution.
- Thakur, 1989b: 353 Dicuspiditermes; ecology.
- Maiti and Saha, 1993: 518, 519 Dicuspiditermes; key.
- Chhotani, 1997: 278–283 Dicuspiditermes; synonymy; characters; distribution and composition; key to species.
- Bose, 1999: 26–27, 143–144 Discuspiditermes; key; distribution.
- Huang et al., 2000: 546, 548, 713-714 Dicuspiditermes; key; characters; distribution.
- Maiti et al., 2000: 298 Dicuspiditermes; key.

- Krishna, 2001: 399-400 Dicuspiditermes; characters; discussion.
- Rathore and Bhattacharyya, 2004: 9 Dicuspiditermes; key.
- Rathore and Tak, 2004a: 44 Dicuspiditermes; key.
- Sornnuwat et al., 2004: 357, 359 Dicuspiditermes; key; number of species. Thailand.
- ▲ 20 species.
- © DISTRIBUTION: Oriental Region.

### Dicuspiditermes achankovili Verma, 1985

Dicuspiditermes achankovili Verma, 1985c: 7-10 (soldier), fig. 1.

TYPE DATA: Holotype: ZSI soldier. Paratype: FRI soldier.

Type locality: India: Kerala: Achankovil.

- Chhotani, 1997: 283–286, figs. 139–140 Dicuspiditermes achankovili; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 60 Dicuspiditermes achankovili; catalog. India.
- 🔊 DISTRIBUTION: Oriental Region—India: Kerala, Tamil Nadu.

### Dicuspiditermes boseae Chhotani, 1997

Dicuspiditermes boseae Chhotani, 1997: 287-289 (soldier, worker), fig. 141.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldiers, workers.

Type locality: India: Tamil Nadu: ca. 50 km NW of Nagercoil: Kulasekaram Forest Range: Mylar.

- Ahmad and Akhtar, 2002: 60 Dicuspiditermes boseae; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Tamil Nadu.

# Dicuspiditermes cacuminatus Krishna, 2001

Dicuspiditermes cacuminatus Krishna, 2001: 401-406, 480-481 (imago, soldier), figs. 1-3.

Type data: Holotype: AMNH soldier. Paratypes: AMNH king, queen, soldiers, workers, nymphs, AMNH soldiers, workers [not type locality], AMNH soldiers, workers, nymphs [not type locality], AMNH soldiers, workers, nymphs [not type locality].

Type locality: Malaysia: Malaya: Selangor: Sungei Buloh Forest Reserve, 150 ft. altitude [03°10′N, 101°34′E].

- Kistner, 1972: 19–20, 34 *Discuspiditermes* sp. A; association with staphylinids.
- Kistner, 1975: 86, 96, 146 *Dicuspiditermes* sp. A; association with staphylinids. Malaysia.
- Ahmad and Akhtar, 2002: 60 Dicuspiditermes cacuminatus; catalog. Malaysia: Mainland.
- Gathorne-Hardy, 2004: 122 *Dicuspiditermes cacuminatus*; checklist; distribution. Malaysia: Mainland.
- © DISTRIBUTION: Oriental Region—Malaysia: Mainland.

### Dicuspiditermes cornutella (Silvestri, 1922)

Capritermes longirostris cornutella Silvestri, 1922: 537–538 (soldier, worker), fig. 2 ["longirostris Wasm." is an error for longicornis Wasmann; no species longirostris has ever been placed in Capritermes. Moreover, longicornis Wasmann is a synonym of Dicuspiditermes incola].

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, workers.

Type locality: India: Maharashtra: Ratnagiri District: Randal Valley: Akalpa.

- Margabandhu, 1934: 711 Capritermes longirostris [sic] var. cornutella; annotated reference list; biology.
- Snyder, 1949a: 194 Capritermes incola cornutella; catalog. India.
- Lal and Menon, 1953: 48 Capritermes longirostris [sic] var. cornutela [sic]; catalog; reference list. Sri Lanka. Capritermes longirostris [sic]; catalog [Silvestri reference only; Brauer reference = Schedorhinotermes longirostris].
- Krishna, 1965a: 18 Discuspiditermes incola cornutella; listed; new combination.
- Krishna, 1968: 290 Discuspiditermes cornutella; listed; raised to species rank.
- Sen-Sarma, 1974: 459 Discuspiditermes incola cornutella; ecology and biogeography. India.
- Verma, 1985c: 10 Discuspiditermes cornutella; listed. India.
- Chhotani, 1997: 290–291, fig. 142 Dicuspiditermes cornutella; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 60 Dicuspiditermes cornutella; catalog. India.
- Roy, 2005: 140 Dicuspiditermes cornutella; checklist; distribution. India.
- DISTRIBUTION: Oriental Region—India: Maharashtra.

## Dicuspiditermes fissifex Krishna, 2001

Discuspiditermes fissifex Krishna, 2001: 407-417, 479, 481 (imago, soldier), figs. 4-8.

Type data: Holotype: AMNH soldier. Paratypes: AMNH king, queens, imagoes, soldiers, workers, nymphs, AMNH king, queen, soldiers, workers, nymphs [not type locality], AMNH soldiers, workers [not type locality], AMNH queen, soldiers, workers, nymphs [not type locality], AMNH soldiers, workers [not type locality].

Type locality: Malaysia: Malaya: Selangor: Sungei Lalang Forest Reserve [03°03'N, 101°53'E].

- Holmgren, 1914: 279 *Capritermes (Capritermes) minor* [part; specimens from Tandjong Slamat only; Malaysia specimens are *D. kistneri* fide Krishna, 2001]. Indonesia.
- John, 1925: 417–418 Capritermes medius [part; specimens from Kota Bahru only; identity of other specimens unknown fide Krishna, 2001]. Indonesia.
- Kistner, 1972: 11, 34 Discuspiditermes sp. B; staphylinid association. Malaysia.
- Kistner, 1975: 86, 104, 111, 116, 146, fig. 48 *Dicuspiditermes* sp. B; staphylinid association.
   Malaysia.
- Ahmad and Akhtar, 2002: 60 *Dicuspiditermes fissifex*; catalog. Indonesia: Sumatra; Malaysia: Mainland; Singapore.
- Gathorne-Hardy, 2004: 122 *Dicuspiditermes fissifex*; checklist; distribution. Malaysia: Mainland; Indonesia: Sumatra.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Sumatra; Malaysia: Mainland; Singapore.

## Dicuspiditermes fontanellus Thakur and Chatterjee, 1971

*Dicuspiditermes fontanellus* Thakur and Chatterjee, 1971: 72–76 (soldier, worker), pls. 1–2 [may be a synonym of *D. gravelyi* fide Chhotani, 1997: 293].

Type data: Holotype: FRI soldier. Paratypes: FRI worker, ZSI soldiers, workers, AMNH soldiers, workers [never received at AMNH], FRI soldiers, workers.

Type Locality: India: Goa: South Goa Forest Division: Sangeum Forest Range, Satida mixed forests.

- Sen-Sarma, 1974: 459 Discuspiditermes fontanellus; ecology and biogeography. India.
- Chhotani, 1977a: 32 Dicuspiditermes fontanellus; distribution. India.
- Bose, 1984: 144, 146–147, fig. 108 *Discuspiditermes fontanellus*; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Verma, 1985c: 10 Discuspiditermes fontanellus; listed. India.
- Thakur, 1989b: 347, 362 Discuspiditermes fontanelleus [sic]; distribution. India.
- Chhotani, 1997: 292–293, fig. 143 *Discuspiditermes fontanellus*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 61 Discuspiditermes fontanellus; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Goa.

### Dicuspiditermes gravelyi (Silvestri, 1922)

Capritermes gravelyi Silvestri, 1922: 535-537 (soldier, worker), fig. 1.

Type data: Syntypes: IEA soldiers, workers (India: Maharashtra: Satara District: Kas, 3700 ft) [Silvestri, 1922 uses the terms "typica" and "paratypi" in referring to specimens from two locations, without designating a single specimen or specific locality; there is probably a soldier in Portici from Kas labeled as lectotype by Emerson, which needs formal designation], IEA soldiers, workers (India: Maharashtra: Satara District: Koyna Valley: Helvak, ca. 2000–2100 ft), IEA soldiers, workers (India: Maharashtra: Satara District: Koyna Valley: Vela, ca. 2000–2100 ft), AMNH soldiers, workers (India: Maharashtra: Satara District: Koyna Valley: Helvak, ca. 2000–2100 ft), AMNH soldiers, workers (India: Maharashtra: Satara District: Kas, 3700 ft).

Type localities: India: Maharashtra: Satara District: Kas, 3700 ft, Koyna Valley: Helvak, ca. 2000–2100 ft, Vela, ca. 2000–2100 ft.

- Margabandhu, 1934: 711 Capritermes gravelyi; annotated reference list.
- Snyder, 1949a: 194 Capritermes gravelyi; catalog; reference list. India.
- Lal and Menon, 1953: 47 Capritermes gravelyi; catalog; reference list. India.
- Ahmad, 1958: 191 Capritermes gravelyi; key.
- Krishna, 1965a: 2, 18 *Dicuspiditermes gravelyi*; listed; new combination.
- Krishna, 1968: 290 Dicuspiditermes gravelyi; listed.
- Sen-Sarma, 1974: 459 Discuspiditermes gravelyi; ecology and biogeography. India.
- Bose, 1984: 144, 148–149, fig. 108a *Discuspiditermes gravelyi*; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Verma, 1985c: 10 Dicuspiditermes gravelyi; listed. India.
- Chhotani, 1997: 293–296, figs. 144, 145 *Discuspiditermes gravelyi*; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 61 Discuspiditermes gravelyi; catalog. India.
- Roy, 2005: 140 Dicuspiditermes gravelyi; checklist; distribution. India.
- DISTRIBUTION: Oriental Region—India: Karnataka, Maharashtra.

### Dicuspiditermes hutsoni (Kemner, 1926)

*Capritermes hutsoni* Kemner, 1926b: 391–392 (soldier, worker), fig. 5 [synonym of *incola* fide Emerson, card catalog (unpublished)].

Type data: Syntypes: BMNH soldiers, workers [a soldier marked as lectotype by Krishna; this specimen should be selected as lectotype in publication], AMNH soldier, worker, ZMLU soldiers, workers [suggested by Chhotani, 1997, to be in ZMLU, but may not be present there].

Type locality: Sri Lanka (Ceylon): Pelmadulla.

- Margabandhu, 1934: 711 Capritermes hutsoni; annotated reference list.
- Snyder, 1949a: 194 Capritermes hutsoni; catalog. Sri Lanka.
- Lal and Menon, 1953: 47 Capritermes hutsoni; catalog; reference list. Sri Lanka.
- Roonwal and Pant, 1953: 60 Capritermes hutsoni; collection catalog. Sri Lanka.
- Mathur and Thapa, 1962a: 108 Capritermes hutsoni; collection catalog. Sri Lanka.
- Krishna, 1965a: 18 Discuspiditermes hutsoni; listed; new combination.
- Krishna, 1968: 290 Discuspiditermes hutsoni; listed.
- Sen-Sarma, 1974: 459 Discuspiditermes hutsoni; ecology and biogeography. Sri Lanka.
- Chhotani, 1980: 7 Dicuspiditermes hutsoni; key.
- Verma, 1985c: 10 Discuspiditermes hutsoni; listed. Sri Lanka.
- Chhotani, 1997: 297–298, fig. 146 *Discuspiditermes hutsoni*; soldier, worker described and figured; synonymy; key. Sri Lanka.
- Ahmad and Akhtar, 2002: 61 Dicuspiditermes hutsoni; catalog. Sri Lanka.
- © DISTRIBUTION: Oriental Region—Sri Lanka.

#### Dicuspiditermes incola (Wasmann, 1893)

Eutermes incola Wasmann, 1893: 242 (imago).

Type data: Holotype: NHMM imago ♀ [Van Boven, 1969a cites additional specimens as "same colony as Holotype *incola*," but Wasmann's description was clearly based on only 1 specimen]. Type locality: Sri Lanka (Ceylon): Colombo.

- Wasmann, 1902d: 126, 128 Capritermes incola; listed; new combination.
- Desneux, 1904b: 43 Termes (Eutermes) incola; reference list; new combination. Sri Lanka.
- Escherich, 1911: 53, 54, fig. 26 Capritermes incola; soldier figured; biology.
- Holmgren, 1911c: 204, 212, pl. 2: fig. R Capritermes incola; imago characters; soldier figured; key; remarks; locality. Sri Lanka.
- Holmgren, 1912a: 116, pl. 4: figs. 14, 15 Capritermes (Capritermes) incola; listed; imago, soldier figured. India; Sri Lanka.
- Holmgren, 1912c: 792–793 Capritermes incola; locality. India.
- Holmgren, 1913c: 252–254, pl. 6: figs. 20, 32 *Capritermes incola*; imago, soldier, worker described; imago, soldier figured; key; distribution. India; Sri Lanka.
- Assmuth, 1913: pl. 1: fig. 9 Capritermes incola; soldier figured. India.
- Bugnion, 1913d: 170 Capritermes incola; antennal articles. India; Sri Lanka.
- Green, 1913: 13 Capritermes incola; biology; locality. Sri Lanka.
- Bugnion, 1914f: 184, 202 Capritermes incola (= longicornis); listed; biology. Sri Lanka.
- Holmgren, 1914: 285 Capritermes (Capritermes) incola; locality. Sri Lanka.
- Silvestri, 1914b: 435 Capritermes incola; listed.
- Holmgren and Holmgren, 1917: 169, 170 *Capritermes incola*; locality. India. *Capritermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302].
- Hegh, 1922: 48 Capritermes incola; remarks.
- John, 1925: 418 Capritermes incola; locality. Sri Lanka.

- Margabandhu, 1934: 711 *Capritermes incola*; annotated reference list; biology; *Capritermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302]; annotated reference list.
- Wheeler, 1936: 223, 226 Capritermes incola; ant ecological relationships.
- Snyder, 1949a: 193, 194 Capritermes incola; catalog; reference list; synonymy. India; Sri Lanka;
   Capritermes fletcheri [misidentification; Bababudin Hills specimens = D. incola; see Chhotani, 1993: 302].
- Lal and Menon, 1953: 47–48 *Capritermes incola*; catalog; systematic and biological reference list. India; Sri Lanka.
- Roonwal and Sen-Sarma, 1956: 12 Capritermes incola; soldier measurements; locality. India.
- Ahmad, 1958: 184–185, 190 Capritermes incola; key.
- Mathur, 1962: 137 Capritermes incola; predators. India.
- Mathur and Thapa, 1962a: 108, 109 *Capritermes incola*; collection catalog. India. *Capritermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302].
- Mathur and Thapa, 1963b: 107 Capritermes incola; checklist; locality. India.
- Krishna, 1965a: 17, 18 *Dicuspiditermes incola*; listed; new combination; *Dicuspiditermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302].
- Ahmad, 1965: 101, 102 Dicuspiditermes incola; comparisons.
- Basalingappa, 1967: 249, 254, figs. 5, 15, 16, 29, 30 *Capritermes incola*; terminal abdominal segments; development.
- Gisler, 1967: 120 Capritermes incola; protozoa.
- Krishna, 1968: 290 *Dicuspiditermes incola*; listed; *Dicuspiditermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302].
- Van Boven, 1969a: 44 Capritermes incola; types listed.
- Roonwal, 1970c: 353, fig. 3 Dicuspiditermes incola; soldier figured; biology; distribution.
- Sen-Sarma, 1974: 436, 440, 459 *Dicuspiditermes incola*; ecology and biogeography. India; Sri Lanka.
- Sen-Sarma et al., 1975: 2, 63 Dicuspiditermes incola; distribution and ecology. India.
- Roonwal, 1978c: 19 Dicuspiditermes incola; biology; distribution.
- Roonwal, 1979a: 135 Dicuspiditermes incola; listed.
- Thakur, 1980b: 127 Dicuspiditermes incola; ecology; distribution. India.
- Sen-Sarma, 1982: 143 *Dicuspiditermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302]; damage. Oriental Region.
- Maiti, 1983: 18, 24, 82–84, 144–146, fig. 24 *Dicuspiditermes incola*; key; synonymy; imago, soldier described; soldier figured; biology; distribution. India; Sri Lanka; *Dicuspiditermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302]; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Prestwich, 1984a: table 1 Dicuspiditermes incola; checklist; ecology; defense mode; chemicals; distribution.
- Verma, 1985c: 10 *Dicuspiditermes incola*; listed. India. *Dicuspiditermes fletcheri* [misidentification; Bababudin Hills specimens = *D. incola*; see Chhotani, 1993: 302]; listed. India.
- Roonwal and Chhotani, 1989: 94 Dicuspiditermes incola; biology and ecology discussed.
- Thakur, 1989b: 362 Discuspiditermes incola; distribution. India; Sri Lanka.
- Thakur, 1990: 53 Dicuspiditermes incola; distribution.
- Ferry, 1992: 193–211 *Dicuspiditermes fletcheri* [misidentification; Bababudin Hills specimens (only) = *D. incola*; see Chhotani, 1993: 302]; ecology; distribution. India: Karnataka.
- Chhotani, 1993: 302–309, figs. 4, 5 *Dicuspiditermes incola*; imago, soldier, worker described and figured; synonymy; distribution. India; Sri Lanka.
- Maiti and Saha, 1993: 513 Dicuspiditermes incola; listed; distribution. India.
- Chhotani, 1997: 298–303, figs. 147–150 *Dicuspiditermes incola*; imago, soldier, worker described and figured; synonymy; key. India; Sri Lanka.
- Rathore, 1999: 39 Dicuspiditermes incola; soldier measurements; associations; discussion; distribution. India; Sri Lanka.

- Ahmad and Akhtar, 2002: 61 Dicuspiditermes incola; catalog. India; Sri Lanka.
- Rathore and Bhattacharyya, 2004: 34, 65, pl. 5: fig. 39 *Dicuspiditermes incola*; checklist; soldier figured; distribution. India; Sri Lanka.
- Rathore and Tak, 2004a: 64–65 Dicuspiditermes incola; synonymy; soldier, worker described; distribution. India: Sri Lanka.
- Roy, 2005: 140 Dicuspiditermes incola; checklist; distribution. India.

Capritermes longicornis Wasmann, 1902d: 126-128 (imago, soldier, worker), pl. 4: fig. 7.

Type data: Syntypes: NHMM soldier, NHMM imagoes, soldiers, workers, AMNH imago, soldier, workers, AMNH imago, soldier, workers, IARI soldier, worker.

Type localities: Sri Lanka (Ceylon): Bandarawella; Sri Lanka (Ceylon): Anuradhapura; India: Maharashtra: Khandala.

- Wasmann, 1902b: 80 Capritermes longicornis; nomen nudum; checklist. Sri Lanka.
- Desneux, 1904b: 43 Termes (Eutermes) longicornis; reference list. Sri Lanka.
- Lefroy, 1909: 120 Eutermes longicornis; listed.
- Holmgren, 1911c: 204, 212, pl. 2: fig. R Capritermes longicornis; key; remarks.
- Green, 1913: 13 Capritermes longicornis; remarks; locality. Sri Lanka.
- Holmgren, 1913c: 252 Capritermes longicornis; synonymized with incola.
- Silvestri, 1922: 537 Capritermes longirostris [sic]; listed.
- Margabandhu, 1934: 711 Capritermes longicornis; annotated reference list.

Dicuspiditermes pername Thakur and Chatterjee, 1971: 77-81 (soldier, worker), pls. 3, 4.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, ZSI soldiers, workers, AMNH soldiers, workers [never received at AMNH].

Type Locality: India: Goa: North Goa Forest Division: Pernam Range: Mopa Village.

- Sen-Sarma, 1974: 459 Discuspiditermes parname [sic]; ecology and biogeography. India.
- Chhotani, 1977a: 33 Dicuspiditermes pername; distribution. India.
- Bose, 1984: 144–146, 149–151, figs. 107, 109 *Discuspiditermes pername*; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Verma, 1985c: 10 Dicuspiditermes pername; listed. India.
- Thakur, 1989b: 362 Dicuspiditermes pername; distribution. India.
- Chhotani, 1993: 303 Dicuspiditermes pername; synonymized with incola.
- © DISTRIBUTION: Oriental Region—India: Bihar, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Tamil Nadu, West Bengal; Sri Lanka.

#### **Dicuspiditermes kistneri** Krishna, 2001

Discuspiditermes kistneri Krishna, 2001: 418-426, 480-481 (imago, soldier), figs. 9-12.

Type data: Holotype: AMNH soldier. Paratypes: AMNH imagoes, soldiers, workers, AMNH queen, solders, workers [not type locality].

Type Locality: Malaysia: Malaya: Selangor: Semangkok Forest Reserve [03°34′N, 102°10′E].

- Holmgren, 1914: 279 *Capritermes (Capritermes) minor* [misidentification; specimens from Malaysia only; Indonesian specimens are *D. fissifex* fide Krishna, 2001]. Malaysia.
- Kistner, 1972: 8, 13, 34 Dicuspiditermes sp. C; staphylinid associations. Malaysia.
- Kistner, 1975: 86, 88, 96, 97, 146, fig. 49 Dicuspiditermes sp. C; staphylinid associations. Malaysia.
- Ahmad and Akhtar, 2002: 61 Dicuspiditermes kistneri; catalog. Malaysia: Mainland; Singapore.
- Gathorne-Hardy, 2004: 122 Dicuspiditermes kistneri; checklist; distribution. Malaysia: Mainland.
- © DISTRIBUTION: Oriental Region—Malaysia: Mainland; Singapore.

### Dicuspiditermes laetus (Silvestri, 1914)

Capritermes laetus Silvestri, 1914b: 434–435 (soldier), figs. 9, 10.

Type data: Holotype: IEA soldier [by monotypy].

Type locality: Myanmar: Lower Myanmar: east side of Dawna Hills, Sukli.

- Snyder, 1949a: 195 Capritermes laetus; catalog. Myanmar.
- Lal and Menon, 1953: 48 Capritermes laetus; catalog; reference list. Myanmar.
- Ahmad, 1958: 191 Capritermes laetus; key.
- Krishna, 1965a: 2, 18 Dicuspiditermes laetus; listed; new combination. Myanmar.
- Krishna, 1968: 288, 290 Dicuspiditermes laetus; listed; synonymy.
- Sen-Sarma, 1974: 459 Discuspiditermes laetus; ecology and biogeography. Myanmar.
- Morimoto, 1976b: 34, fig. 83 *Dicuspiditermes laetus*; key; soldier figured; distribution.
- Roonwal and Verma, 1980b: 466, figs. 4L-N *Dicuspiditermes laetus*; wings described; wing microsculpturing.
- Verma, 1985c: 10 Dicuspiditermes laetus; listed. Myanmar.
- Tho, 1992: 124, 200, 207, fig. 51B Dicuspiditermes laetus; listed; soldier figured. Malaysia.
- Chhotani, 1997: 303–308, figs. 151–152 *Dicuspiditermes laetus*; imago, soldier, worker described and figured; synonymy; key. Bangladesh; India; Myanmar; Thailand.
- Bose, 1999: 32, 64–65, fig. 21 *Dicuspiditermes laetus*; key; synonymy; measurements; imago, soldier figured; distribution. Bangladesh; Bhutan; India; Thailand.
- Krishna, 2001: 426–433, 479–480, figs. 13–16 *Dicuspiditermes laetus*; imago, soldier described and figured; synonymy; key. Cambodia; Myanmar; Vietnam.
- Ahmad and Akhtar, 2002: 61 *Dicuspiditermes laetus*; catalog. Bangladesh; Cambodia; India; Myanmar; Vietnam.
- Gathorne-Hardy, 2004: 122 Dicuspiditermes laetus; checklist; distribution. Malaysia: Mainland.

Capritermes garthwaitei Gardner, 1945: 106-108 (imago, soldier), figs. 2-4.

Type data: Lectotype: AMNH soldier. Paralectotypes: AMNH imago, worker, FRI imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Krishna, 2001: 426, 432.

Type locality: Myanmar: Maymyo.

- Snyder, 1949a: 194 Capritermes garthwaitei; catalog [listed as valid]. Myanmar.
- Lal and Menon, 1953: 48 Capritermes garthwaitei; catalog. Myanmar.
- Roonwal and Pant, 1953: 60 Capritermes garthwaitei; collection catalog. Myanmar.
- Ahmad, 1958: 185, 191 Capritermes garthwaitei; key.
- Mathur and Thapa, 1962a: 108 Capritermes garthwaitei; collection catalog. Myanmar.
- Tsai and Chen, 1964b: 91, 95–97, fig. 46 Capritermes garthwaitei; imago, soldier described; soldier figured; key. China.
- Tsai and Chen, 1964a: 28, 31, 32, 35 Capritermes garthwaitei; distribution.
- Yu and Ping, 1964a: 21 Capritermes garthwaitei; listed.
- Krishna, 1965a: 18, 19 Dicuspiditermes garthwaitei; listed; measurements; locality; new combination. Myanmar.
- Ahmad, 1965: 100, 102–103, 110, figs. 108, 109 *Dicuspiditermes garthwaitei*; imago, soldier described and figured; key; synonymy; distribution. Thailand.
- Krishna, 1968: 290 Dicuspiditermes garthwaitei; synonymized with laetus.
- Chaudhry et al., 1972: 66, figs. 80, 81 *Dicuspiditermes garthwaitei*; synonymy; imago, soldier measurements and figures; ecology; biology; distribution. Bangladesh.
- Akhtar, 1975: 175–179, 194, figs. 86, 87 *Dicuspiditermes garthwaitei*; imago, soldier described and figured; distribution. Bangladesh.
- Verma, 1985c: 10 Dicuspiditermes garthwaitei; listed. Bangladesh; Myanmar; Thailand.
- Ahmad, 1986: 18 Dicuspiditermes garthwaitei; distribution. Bangladesh.

- Gao and Lam, 1986: 82 Dicuspiditermes garthwaitei [listed as valid]; distribution. China.
- Huang et al., 1989: 489–490, fig. 362 *Dicuspiditermes garthwaitei*; imago, soldier described; soldier figured. China [cited as valid].
- Gao et al., 1992a: 46 *Dicuspiditermes garthwaitei* [listed as valid]; distribution. China: Gansu, Xizang.
- Tho, 1992: 207 *Dicuspiditermes garthwaitei*; listed.
- Gu et al., 1995: 648 Dicuspiditermes garthwaitei; checklist. China: Hainan.
- Hua, 2000: 26 *Dicuspiditermes garthwaitei*; locality [listed as valid]; . China: Hainan, Yunnan; Myanmar; Thailand.
- Huang et al., 2000: 714–715, fig. 431 Dicuspiditermes garthwaitei; imago, soldier described; soldier figured. China [cited as valid].
- Inoue et al., 2001b: 41-52 Dicuspiditermes garthwaitei; biomass; feeding; distribution. Thailand.
- Sornnuwat et al., 2004: 364 Dicuspiditermes garthwaitei; checklist; distribution. Thailand.

Dicuspiditermes orientalis Harris, 1968d: 147-148 (soldier), fig. 1.

Type data: Holotype: ZMLU soldier [by monotypy].

Type locality: Vietnam: Cau Da.

- Verma, 1985c: 10 Dicuspiditermes orientalis; listed. Vietnam.
- Tho, 1992: 207 Dicuspiditermes orientalis; listed.
- Krishna, 2001: 427 Dicuspiditermes orientalis; synonymized with laetus.

Dicuspiditermes tripurensis Sen-Sarma and Thakur, 1979: 21-23 (soldier, worker), pls. 10, 11.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, ZSI soldier, workers. Type locality: India: Tripura: Tiliamura.

- Sen-Sarma et al., 1975: 63 Dicuspiditermes tripurensis; nomen nudum.
- Verma, 1985c: 10 Dicuspiditermes tripurensis; listed. India.
- Chhotani, 1997: 303–304 Dicuspiditermes tripurensis; synonymized with laetus.
- Bose, 1999: 32 Dicuspiditermes tripurensis; key.
- Maiti et al., 2000: 296, 301, 302 Dicuspiditermes tripurensis; listed; distribution. India.
- ☼ DISTRIBUTION: Oriental Region—Bangladesh; India: Arunachal Pradesh, Tripura; Cambodia; China: Hainan, Yunnan; Malaysia: Mainland; Myanmar (= Burma); Thailand; Vietnam. ◆ Palaearctic Region—Gansu, Xizang (Tibet).

#### Dicuspiditermes makhamensis Ahmad, 1965

Dicuspiditermes makhamensis Ahmad, 1965: 100-102 (imago, soldier, worker), figs. 106, 107.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL imagoes, soldiers, workers, AMNH queen, soldiers, workers, ZUPL soldiers, workers [not type locality].

Type locality: Thailand: Makham.

- Krishna, 1968: 288, 290 Dicuspiditermes makhamensis; listed.
- Harris, 1968d: 147 Dicuspiditermes makhamensis; locality. Thailand.
- Morimoto, 1973a: 66, 78 Discuspiditermes makhamensis; distribution. Thailand.
- Morimoto, 1976b: 34, fig. 82 Dicuspiditermes makhamensis; key; soldier figured; distribution.
- Verma, 1985c: 10 Dicuspiditermes makhamensis; listed. India.
- Tho, 1992: 207 Dicuspiditermes makhamensis; listed.
- Inoue et al., 2001b: 41-52 Dicuspiditermes makhamensis; biomass; feeding; distribution. Thailand.
- Krishna, 2001: 435–438, 479, 481, figs. 17–19 *Dicuspiditermes makhamensis*; imago, soldier described and figured; synonymy; key. Thailand.

- Ahmad and Akhtar, 2002: 61 Dicuspiditermes makhamensis; catalog. Thailand.
- Tayasu et al., 2002b: 195–206 *Dicuspiditermes makhamensis*; carbon isotopes; feeding. Thailand.
- Takematsu et al., 2003: 593, fig. 4 Dicuspiditermes makhamensis; nest abundance and distribution. Thailand.
- Yamada et al., 2003: 569–585 *Dicuspiditermes makhamensis*; nest density; population; caste proportion. Thailand.
- Ohkuma et al., 2004: 701–710 Dicuspiditermes makhamensis; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Discuspiditermes makhamensis; checklist; distribution. Thailand.
- Hyodo et al., 2006: 385–393 *Discuspiditermes makhamensis*; diet; age; carbon and nitrogen isotope ratios. Thailand.
- Yamada et al., 2006: 76 Dicuspiditermes makhamensis; feeding groups; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Thailand.

### Dicuspiditermes minutus Akhtar and Riaz, 1992

*Dicuspiditermes minutus* Akhtar and Riaz, 1992: 35–37 (soldier, worker), fig. 1 [also spelled "*minutes*" on p. 35].

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers.

Type locality: Malaysia: Mainland: Kluang Forest.

- Krishna, 2001: 439–443, 480–481, figs. 20–22 *Discuspiditermes minutus*; imago, soldier described and figured; synonymy; key. Brunei; Indonesia; Malaysia; Singapore.
- Ahmad and Akhtar, 2002: 61 *Discuspiditermes minutus*; catalog. Brunei; Indonesia: Kalemantan [sic]; Malaysia: Mainland, Sabah; Singapore.
- Gathorne-Hardy, 2004: 122 *Dicuspiditermes minutus*; checklist; distribution. Brunei; Indonesia: Kalimantan; Malaysia: Mainland.
- © DISTRIBUTION: Oriental Region—Brunei; Indonesia: Kalimantan; Malaysia: Mainland, Sabah; Singapore.

#### Dicuspiditermes nemorosus (Haviland, 1898)

Termes nemorosus Haviland, 1898: 413-414 (imago, soldier, worker), pl. 24, figs. 53-56.

Type data: Lectotype: CUMZ soldier. Paralectotypes: CUMZ No. 377 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, MCZ No. 10100?, FRI imago, soldiers, workers.

LECTOTYPE DESIGNATION: Krishna, 2001: 443, 450.

Type locality: Malaysia: Borneo: Sarawak.

- Wasmann, 1902b: 79 *Capritermes nemorosus*; locality; new combination. Sri Lanka [misidentification and doubtful locality].
- Desneux, 1904b: 44 Termes (Eutermes) nemorosus; reference list. Malaysia: Borneo.
- Holmgren, 1911c: 204-205, 209 Capritermes nemorosus; listed.
- Holmgren, 1912a: 115, fig. 83 Capritermes (Capritermes) nemorosus; listed; soldier mandibles figured. "Hinterindien."
- Holmgren, 1912d: 131 Capritermes nemorosus; comparisons.
- Holmgren, 1913c: 250, pl. 6: figs. 21, 26 *Capritermes nemorosus*; imago, soldier, worker described; imago, soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 170 Capritermes nemorosus; antennal articles. Malaysia: Sarawak.
- Holmgren, 1914: 279 *Capritermes* (*Capritermes*) *nemorosus* [identification doubtful]; locality. [Sumatra: Tandjong Slamat record = *santschii*].

- John, 1925: 391, 417, pl. 21: fig. 20, pl. 22: fig. 24 *Capritermes nemorosus* [identification doubtful]; nest described and figured; locality. Indonesia: Sumatra; Malaysia: Mainland, Sarawak; Singapore; *Eutermes* (*Subulitermes*) *inaniformis*; imago described [identification doubtful *fide* Krishna, 2001: 444]. Indonesia.
- Wheeler, 1936: 222, 231 Capritermes nemorosus; ant ecological relationships.
- Snyder, 1949a: 195 Capritermes nemorosus; catalog; reference list; synonymy; Capritermes nemorosus Rothi; listed as a synonym of C. nemorosus. Borneo; Sumatra; Malaya [?Sri Lanka; ?India not correct].
- Ahmad, 1958: 186, 192 Capritermes nemorosus; key.
- Mathur and Thapa, 1962a: 109 *Capritermes nemorosus*; collection catalog. Malaysia; Singapore.
- Krishna, 1965a: 18 Dicuspiditermes nemorosus; listed; new combination.
- Harris, 1966a: 14 Capritermes nemorosus; Haviland's types and type localities listed; biology.
- Krishna, 1968: 287, 288, 290, fig. 18B Dicuspiditermes nemorosus; listed; worker mandibles figured.
- Roonwal, 1970c: 353–354 *Dicuspiditermes nemorosus*; biology; distribution [John, 1925 reference to *nemorosus* doubtful].
- Kistner, 1972: 9–11, 17, 24, 29, 31, 34 *Dicuspiditermes nemorosus*; staphylinid associations. Indonesia
- Tho, 1972: 10–17 Dicuspiditermes nemorosus; imago, soldier, nest described; biology; distribution. Malaysia: Mainland [identification doubtful; may be kistneri or fissifex fide Krishna, 2001: 444, 446].
- Kistner, 1975: 104, 119, 145-146 Dicuspiditermes nemorosus; staphylinid associations. Malaysia.
- Matsumoto, 1976: 153–178 *Dicuspiditermes nemorosus*; nest; density; population number; biomass. Malaysia: Mainland.
- Morimoto, 1976a: 326 Dicuspiditermes nemorosus; locality. Malaysia: Mainland.
- Morimoto, 1976b: 34 Dicuspiditermes nemorosus; key; distribution.
- Matsumoto, 1978a: 335–351 Dicuspiditermes nemorosus; nest; population density; biomass.
   Malaysia: Mainland.
- Abe, 1979: 126, 127, 129, 130, 131 Dicuspiditermes nemorosus; biology; ecology. Malaysia:
   Mainland
- Abe and Matsumoto, 1979: 337–351 *Dicuspiditermes nemorosus*; biology; ecology; nest population. Malaysia: Mainland.
- Roonwal and Verma, 1980b: 466, figs. 4O-Q Dicuspiditermes nemorosus; wings described; wing microsculpturing.
- Thapa, 1982: 222–226, pl. 76 *Dicuspiditermes nemorosus*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia; Singapore.
- Collins, 1984: 68, 71, fig. 31 *Dicuspiditermes nemorosus*; soldier figured; ecology; distribution. Malaysia: Sarawak.
- Salick and Tho, 1984: 547–561 *Dicuspiditermes nemorosus*; ecology; rainforest. Malaysia: Mainland.
- Verma, 1985c: 10 *Dicuspiditermes nemorosus*; listed. Indonesia: Sumatra; Malaysia: Mainland, Sabah, Sarawak; Singapore.
- Tho, 1992: 123–124, 200, 207, fig. 51A *Dicuspiditermes nemorosus*; soldier described and figured. Malaysia [identification doubtful; may be *kistneri* or *fissifex* fide Krishna, 2001: 444, 446].
- Martinelli and Sbrenna, 1994: 25–30 *Dicuspiditermes nemorosus*; proteins.
- Jones, 1996: 297-305 Dicuspiditermes nemorosus; ecology; biomass; nest density. Brunei.
- Eggleton et al., 1998a: 119–128 *Dicuspiditermes nemorosus*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Jones and Brendell, 1998: 79–91 *Dicuspiditermes nemorosus*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Jones et al., 1998: 101, table 1 *Dicuspiditermes nemorosus*; checklist; feeding; ecology. Malaysia: Sabah.

- Eggleton et al., 1999b: 1795, table 1 Dicuspiditermes nemorosus; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi and Bignell, 1999: 125 *Dicuspiditermes nemorosus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Dicuspiditermes nemorosus*; feeding habit; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Gathorne-Hardy et al., 2000a: 259 Dicuspiditermes nemorosus; checklist; ecology; biogeography; distribution. Indonesia: Sumatra.
- Jones, 2000: 271-286 Dicuspiditermes nemorosus; checklist; biology; ecology. Malaysia: Sabah.
- Gathorne-Hardy et al., 2001: 391 Dicuspiditermes nemorosus; checklist; ecology; distribution.
   Indonesia: Sumatra.
- Krishna, 2001: 443–458, 480–481, figs. 23–28 Dicuspiditermes nemorosus; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Ahmad and Akhtar, 2002: 61 *Dicuspiditermes nemorosus*; catalog. Indonesia: Kalemantan [sic]; Malaysia: Sarawak, Sabah.
- Homathevi et al., 2002: 235, table 1 Dicuspiditermes nemorosus; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Dicuspiditermes nemorosus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 122 *Dicuspiditermes nemorosus*; checklist; distribution. Indonesia: Sumatra, Siberut Island; Malaysia: Mainland, Borneo: Sarawak.
- Ohkuma et al., 2004: 701-710 Dicuspiditermes nemorosus; phylogeny; COII sequences.
- Gathorne-Hardy et al., 2006: 607, table 1 *Dicuspiditermes nemorosus*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.

### Capritermes medius Holmgren, 1913c: 252 (soldier), pl. 6: fig. 27.

TYPE DATA: Lectotype: AMNH soldier. Paralectotypes: ZIHS soldiers.

LECTOTYPE DESIGNATION: Krishna, 2001: 443, 451.

Type locality: Malaysia: Borneo, Sarawak.

- Holmgren, 1912a: 115 Capritermes (Capritermes) medius; nomen nudum. "Hinterindien."
- Holmgren, 1914: 279 *Capritermes* (*Capritermes*) *medius* [identification doubtful] locality. [Malacca record = *fissifex*]
- John, 1925: 417, pl. 23: fig. 32 Capritermes medius [identification doubtful]; nest; locality. Indonesia: Sumatra; Malaysia: Mainland, Sarawak
- Snyder, 1949a: 195–196 Capritermes medius; synonymized with nemorosus.

#### Capritermes minor Holmgren, 1913c: 252 (soldier, worker), pl. 6: fig. 28.

TYPE DATA: Lectotype: AMNH soldier. Paralectotypes: ZIHS soldiers, workers, AMNH worker. Lectotype designation: Krishna, 2001: 443, 450.

Type Locality: Malaysia: Borneo, Sarawak.

- Holmgren, 1912a: 115 Capritermes (Capritermes) minor; nomen nudum. "Hinterindien."
- Bugnion, 1913d: 170 Capritermes nemorosus var. minor; antennal articles. Malaysia: Sarawak.
- Holmgren, 1914: 279 *Capritermes (Capritermes) minor* [identification doubtful]; imago described; locality. Indonesia: Sumatra [Malacca record = *fissifex*].
- John, 1925: 417 *Capritermes minor* [identification doubtful]; locality. Indonesia: Sumatra; Malaysia: Mainland, Sarawak
- Wheeler, 1936: 224 Capritermes minor; ant ecological relationships.
- Hare, 1937: 469, pl. 12: fig. 50 *Capritermes (Capritermes) minor*; imago/worker, soldier mandibles measurements and figures.
- Snyder, 1949a: 195–196 Capritermes minor; synonymized with nemorosus.

Dicuspiditermes paramakhamensis Thapa, 1982: 226-229 (soldier, worker), pl. 77.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

TYPE LOCALITY: Malaysia: Sabah: Keningau District: Biah Forest, mile 6.

- Verma, 1985c: 10 Dicuspiditermes paramakhamensis; listed. Malaysia: Sabah.
- Krishna, 2001: 444 Dicuspiditermes paramakhamensis; synonymized with nemorosus.
- Gathorne-Hardy, 2004: 122 *Dicuspiditermes paramakhamensis*; checklist; distribution. Malaysia: Sabah [1981—incorrect date].
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak; Singapore.

### Dicuspiditermes obtusus (Silvestri, 1923)

Capritermes obtusus Silvestri, 1923b: 229–231 (imago, soldier, worker), figs. 6, 7.

Type data: Lectotype: ZSI soldier. Paralectotypes: AMNH imagoes, soldier, worker, ZSI imago, worker, FRI imago, soldier, worker, IEA imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Chhotani, 1997: 308.

Type locality: India: Orissa: Chlika Lake: Barkuda Island.

- Annandale, 1923: 233, 234, 235, 236, 237, 244 Capritermes obtusus; biology; swarming.
- Margabandhu, 1934: 711 Capritermes obtusus; annotated reference list; biology.
- Snyder, 1949a: 196 Capritermes obtusus; catalog. India.
- Lal and Menon, 1953: 49 Capritermes obtusus; catalog; reference list. India.
- Roonwal and Sen-Sarma, 1956: 13 *Capritermes obtusus*; imago, soldier measurements; locality. India.
- Ahmad, 1958: 185, 190 Capritermes obtusus; key.
- Mathur and Thapa, 1962a: 109 Capritermes obtusus; collection catalog. India.
- Krishna, 1965a: 16, 17, 18, figs. 7, 8, 9 *Dicuspiditermes obtusus*; listed; worker mandibles, soldier figured; new combination.
- Ahmad, 1965: 101, 102 *Dicuspiditermes obtusus*; comparisons.
- Krishna, 1968: 286, 290, figs. 17, 18A, 19 *Dicuspiditermes obtusus*; listed; worker mandibles, imago, soldier figured; synonymy.
- Roonwal, 1970c: 354 Dicuspiditermes obtusus; biology; distribution.
- Sen-Sarma, 1974: 459 Discuspiditermes abbreviatus; Dicuspiditermes obtusus; ecology and biogeography. India.
- Morimoto, 1975b: 31, fig. 95 Dicuspiditermes obtusus; soldier figured.
- Chhotani, 1977b: 371–372 *Dicuspiditermes obtusus*; measurements; distribution; biology. India.
- Roonwal and Verma, 1980b: 466 Discuspiditermes obtusus; wings described; wing microsculpturing.
- Bose and Das, 1982: 198, 201, 212 Discuspiditermes obtusus; distribution; key. India.
- Verma and Thakur, 1982: 313 *Dicuspiditermes obtusus*; distribution. India: Madhya Pradesh and other localities.
- Verma, 1985c: 10 Dicuspiditermes obtusus; listed. India.
- Verma, 1986: 46–52 *Discuspiditermes obtusus*; associations.
- Bose and Das, 1987: 105, 110 Discuspiditermes obtusus; key; restricted synonymy; distribution.
   India.
- Chhotani, 1995: 11 Dicuspiditermes obtusus; ecology; distribution. India.
- Chhotani, 1997: 308–313, figs. 153–155 *Dicuspiditermes obtusus*; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 61 Dicuspiditermes obtusus; catalog. India.

Capritermes obtusus abbreviatus Silvestri, 1923b: 231-232 (soldier, worker), fig. 8.

TYPE DATA: Syntypes: IEA soldiers, workers.

Type Locality: India: Orissa: Chilka Lake: Barkuda Island.

- Margabandhu, 1934: 711 Capritermes obtusus var. abbreviatus; annotated reference list.
- Snyder, 1949a: 196 Capritermes obtusus var. abbreviatus; catalog. India.
- Lal and Menon, 1953: 49 Capritermes obtusus var. abbreviatus; catalog; reference list. India.
- Krishna, 1965a: 18 Dicuspiditermes obtusus var. abbreviatus; listed; new combination.
- Krishna, 1968: 290 Capritermes obtusus abbreviatus; synonymized with obtusus.
- 🕙 DISTRIBUTION: Oriental Region—India: Karnataka, Madhya Pradesh, Orissa.

### *Dicuspiditermes punjabensis* (Holmgren and Holmgren, 1917)

Capritermes punjabensis Holmgren and Holmgren, 1917: 170 (imago).

Type DATA: Syntypes: NHRM imagoes, AMNH imago.

Type locality: Pakistan: Lyallpur.

- Margabandhu, 1934: 711 Capritermes punjabensis; annotated reference list; biology.
- Snyder, 1949a: 197 Capritermes punjabensis; catalog. India: Punjab: Lyallpur [now in Pakistan].
- Lal and Menon, 1953: 49 Capritermes punjabensis; catalog; reference list. India.
- Ahmad, 1955b: 262–263, fig. 45 *Capritermes punjabensis*; imago described and figured; key; reference list; distribution. Pakistan.
- Ahmad, 1958: 186 Capritermes punjabensis; key.
- Ahmad, 1962: 68 Capritermes punjabensis; distribution. Pakistan.
- Krishna, 1965a: 18 Discuspiditermes punjabensis; listed; new combination.
- Krishna, 1968: 290 Discuspiditermes punjabensis; listed.
- Akhtar, 1974b: 103 Discuspiditermes punjabensis; distribution. Pakistan.
- Sen-Sarma, 1974: 459 Discuspiditermes punjabensis; ecology and biogeography. Pakistan.
- Verma, 1985c: 10 Discuspiditermes punjabensis; listed. Pakistan.
- Ahmad, 1986: 17 Discuspiditermes punjabensis; distribution. Pakistan: Punjab.
- Chhotani, 1987: 411 *Discuspiditermes punjabensis*; generic placement questioned; distribution and zoogeography. Pakistan.
- Chhotani, 1997: 313–315, fig. 156 *Dicuspiditermes punjabensis*; imago described and figured; synonymy; key; may belong to *Angulitermes* suggested. Pakistan.
- Ahmad and Akhtar, 2002: 61 Dicuspiditermes punjabensis; catalog. Pakistan.
- © DISTRIBUTION: Oriental Region—Pakistan.

### Dicuspiditermes rothi (Holmgren, 1913)

*Capritermes nemorosus rothi* Holmgren, 1913c: 251–252 (soldier, worker) [described as new form].

Type data: Lectotype: ZIHS soldiers, workers. Paralectotypes: AMNH soldier, worker.

LECTOTYPE DESIGNATION: Krishna, 2001: 458, 463.

Type locality: Malaysia: Borneo: Mt. Lambir.

- Bugnion, 1913d: 170 Capritermes nemorosus var. Rothi; antennal articles. Malaysia: Sarawak.
- Snyder, 1949a: 196 Capritermes nemorosus Rothi; catalog; listed as a synonym of C. nemorosus. Borneo.
- Kistner, 1972: 11–12, 31, 34 Dicuspiditermes rothi; staphylinid associations; new combination.
   Indonesia.

- Kistner, 1975: 86-87, 118, 145-146 Dicuspiditermes rothi; staphylinid associations. Indonesia.
- Krishna, 2001: 458–466, 480–481, figs. 29–33 *Dicuspiditermes rothi*; stat. nov.; imago, soldier, nest described and figured; synonymy; key. Malaysia.
- Ahmad and Akhtar, 2002: 61 Dicuspiditermes rothi; catalog. Malaysia: Sarawak.
- Gathorne-Hardy, 2004: 122 Dicuspiditermes rothi; checklist; distribution. Malaysia: Sarawak.

© DISTRIBUTION: Oriental Region—Malaysia: Sarawak.

## Dicuspiditermes santschii (Silvestri, 1922)

Capritermes santschii Silvestri, 1922: 538-541 (imago, soldier, worker), figs. 3, 4.

Type data: Lectotype: IEA soldier. Paralectotypes: IEA imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Krishna, 2001: 466, 471.

Type locality: Indonesia: Sumatra: Padang-Pandjang.

- Snyder, 1949a: 197 Capritermes santschii; catalog. Sumatra.
- Ahmad, 1958: 187, 191 Capritermes santschii; key.
- Mathur and Thapa, 1962a: 110 Capritermes santschii; collection catalog. Indonesia.
- Krishna, 1965a: 18 Dicuspiditermes santschi [sic]; listed; new combination.
- Roonwal and Maiti, 1966: 72, 100 *Capritermes santschii*; synonymy; soldier described; distribution. Indonesia: Riouw (Rhio) Archipelago, Sumatra.
- Krishna, 1968: 287, 288, 290 Dicuspiditermes santschii; listed; synonymy.
- Morimoto, 1976b: 34, fig. 84 Dicuspiditermes santschii; key; soldier figured; distribution.
- Mathot, 1979: 12 Capritermes santschii; collection catalog; types listed.
- Thapa, 1982: 229–232, pl. 78 *Dicuspiditermes santschii*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Verma, 1985c: 10 Dicuspiditermes santschii; listed. Indonesia: Sumatra; Malaysia: Sabah.
- Tho, 1992: 207 Dicuspiditermes santschii; listed.
- Eggleton et al., 1998a: 119–128 *Dicuspiditermes santschii*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 *Dicuspiditermes santschii*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Dicuspiditermes santschii*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Gathorne-Hardy et al., 2001: 391 *Dicuspiditermes santschii*; checklist; ecology; distribution. Indonesia: Sumatra.
- Krishna, 2001: 466–473, 480, figs. 34–37 *Dicuspiditermes santschii*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Ahmad and Akhtar, 2002: 61 Dicuspiditermes santschii; catalog. Indonesia: Sumatra.
- Homathevi et al., 2002: 235, table 1 *Dicuspiditermes santschii*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Dicuspiditermes santschii*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 122 *Dicuspiditermes santschii*; checklist; distribution. Indonesia: Sumatra; Malaysia: Mainland, Sabah.

Capritermes padangensis Kemner, 1930b: 320–322 (soldier, worker), fig. 20.

Type data: Lectotype: ZMLU soldier. Paralectotypes: ZMLU soldiers, workers, AMNH soldier, workers.

LECTOTYPE DESIGNATION: Krishna, 2001: 466, 471.

Type locality: Indonesia: Sumatra: Tandjunggadang.

- Ghidini, 1937b: 329–330, fig. 5 *Capritermes padangensis*; nest described and figured; locality. Sumatra.
- Snyder, 1949a: 197 Capritermes padangensis; catalog [listed as valid]. Sumatra.
- Ahmad, 1958: 191 Capritermes padangensis; key.
- Bernardini-Mosconi, 1964: 72–78 *Capritermes padanyensis* [sic]; prothoracic and ventral glands.
- Bernardini-Mosconi and Vecchi, 1964a: 205-210 Capritermes padanyensis [sic]; ventral gland.
- Ahmad, 1965: 102 Dicuspiditermes padangensis; comparisons; new combination.
- Krishna, 1968: 290 Capritermes padangensis; synonymized with santschii.
- Roonwal, 1970c: 356 Pericapritermes padangensis; biology; distribution; new combination.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Sabah.

### Dicuspiditermes sisiri Chhotani, 1997

Dicuspiditermes sisiri Chhotani, 1997: 315-318 (soldier, worker), fig. 157.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldiers, workers.

Type locality: India: Kerala: Silent Valley.

- Ahmad and Akhtar, 2002: 61 Dicuspiditermes sisiri; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Kerala.

### *Dicuspiditermes spinitibialis* Krishna, 2001

Dicuspiditermes spinitibialis Krishna, 2001: 473-479, 479-480 (imago, soldier), figs. 38-40.

TYPE DATA: Holotype: AMNH soldier. Paratypes: AMNH imagoes, soldiers, workers. Type locality: Thailand: Tung Sa-Lang Luang [16°50′N, 100°54′E].

- Ahmad, 1965: 102–103, fig. 108, 109 *Dicuspiditermes garthwaitei* [misidentification]; imago, soldier described and figured. Thailand.
- Ahmad and Akhtar, 2002: 61 Dicuspiditermes spinitibialis; catalog. Thailand.
- Ohkuma et al., 2004: 701-710 Dicuspiditermes spinitibialis; phylogeny; COII sequences.
- Inoue et al., 2006: 611, table 1 Dicuspiditermes spinitibialis; checklist; feeding groups; ecology; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Thailand.

# Dihoplotermes Araujo, 1961

#### Dihoplotermes Araujo, 1961: 108.

Type species: *Dihoplotermes inusitatus* Araujo, 1961 by original designation.

- Krishna, 1968: 310–312 *Dihoplotermes*; synonymy; key; characters; phylogeny; species included; distribution.
- Araujo, 1970d: 535 Dihoplotermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 30 Dihoplotermes; key.
- Araujo, 1977c: 60 Dihoplotermes; catalog.
- Mathews, 1977: 140 *Dihoplotermes*; synonymy; characters.
- Mill, 1983a: 181, 182 Dihoplotermes; key; number of species in New World; habitat; distribution.
- Constantino, 1998b: 201 *Dihoplotermes*; catalog.

- Fontes and Monteiro, 1998: 25 Dihoplotermes; etymology and pronunciation.
- Constantino, 1999a: 406, 418 Dihoplotermes; key; biology; distribution.
- Constantino, 2002a: 22 Dihoplotermes; key.
- DeSouza et al., 2003: 645 Dihoplotermes; nesting habits.

#### ▲ 1 species.

§ DISTRIBUTION: Neotropical Region.

### **Dihoplotermes inusitatus** Araujo, 1961

Dihoplotermes inusitatus Araujo, 1961: 108-111 (imago, soldier), figs. 1-3.

Type data: Holotype: MZUSP No. 3.225 major soldier. Paratypes: MZUSP Nos. 3.255, 4.723 imagoes, major and minor soldier, nymphs, AMNH imagoes, major and minor soldier, workers, nymphs, MZUSP major and minor soldier, workers [several series from non-type localities], MZUSP No. 4.722 imagoes, major and minor soldier, workers [not type locality].

Type locality: Brazil: São Paulo: São Paulo: Morumbí [23°32′35.1″S, 46°38′00.2″W].

- Krishna, 1968: 310, 312, figs. 38, 39, 40, 41 *Dihoplotermes inusitatus*; listed; worrker mandibles, imago, soldier figured.
- Araujo, 1969: 253 Dihoplotermes inusitatus; ecology.
- Morimoto, 1975b: 31, fig. 91 Dihoplotermes inusitatus; soldier figured.
- Araujo, 1977c: 60 Dihoplotermes inusitatus; catalog. Brazil.
- Mathews, 1977: 141, figs. 69, 84, 85 *Dihoplotermes inusitatus*; soldier, worker described and figured. Brazil.
- Prestwich, 1984a: table 1 Dihoplotermes inusitatus; checklist; ecology; defense mode; chemicals; distribution.
- Gontijo and Junqueira, 1991: 525 Dihoplotermes inusitatus; checklist; feeding; ecology; cerrado; distribution. Brazil.
- Torales et al., 1997: 48 *Dihoplotermes inusitatus*; distribution. Argentina.
- Constantino, 1998b: 201 Dihoplotermes inusitatus; catalog. Brazil; Argentina.
- Fontes, 1998: 366 Dihoplotermes inusitatus; catalog; distribution. Brazil; Argentina.
- Constantino, 1999a: figs. 132-135 Dihoplotermes inusitatus; major, minor soldiers figured.
- Constantino, 2002a: figs. 158–161 Dihoplotermes inusitatus; major, minor soldiers figured.
- Davies et al., 2003a: 522 *Dihoplotermes* sp. near *inusitatus*; checklist; ecology; feeding groups; distribution. French Guiana.
- Cuezzo, 2005: 106–108 Dihoplotermes inusitatus; checklist; distribution. Argentina.
- Galbiati et al., 2005: 931, table 1 *Dihoplotermes inusitatus*; checklist; diversity; distribution. Brazil: Minas Gerais.
- Torales et al., 2005b: 259–280 *Dihoplotermes inusitatus*; checklist; diversity; distribution. Argentina.
- Torales et al., 2005a: 873 *Dihoplotermes inusitatus*; distribution. Argentina: Corrientes, Formosa.
- Ferreira da Cunha et al., 2006: 518 Dihoplotermes inusitatus; checklist; distribution. Brazil: Goiás State.
- Torales et al., 2008: 41 Dihoplotermes inusitatus; distribution. Argentina: Corrientes, Chaco, Formosa, Santiago del Estero.
- TISTRIBUTION: Neotropical Region—Argentina: Corrientes, Chaco, Formosa, Santiago del Estero; Brazil.

## **Divinotermes** Carrijo and Cancello, 2011

Divinotermes Carrijo and Cancello, 2011: 539-549.

Type species: Spinitermes allognathus Mathews, 1977 by original designation.

▲ 3 species

§ DISTRIBUTION: Neotropical Region.

### **Divinotermes allognathus** (Mathews, 1977)

Spinitermes allognathus Mathews, 1977: 116-117 (soldier, worker), figs. 56, 60, pl. 23.

Type data: Holotype: MZUSP soldier. Paratypes: BMNH soldiers, workers, AMNH soldiers, workers, MZUSP soldier, workers.

Type locality: Brazil: Mato Grosso: Serra do Ronchador [12°49'S, 51°46'W].

- Araujo, 1977c: 65 Spinitermes allognathus; catalog. Brazil.
- Constantino, 1998b: 207 Spinitermes allognathus; catalog. Brazil.
- Carrijo and Cancello, 2011: 549–550, figs. 1A–B, 3, 6A Divinotermes allognathus; imago, soldier described and figured; key; new combination; distribution. Brazil: Mato Grosso, Piaui, Tocantins.
- § DISTRIBUTION: Neotropical Region—Brazil: Mato Grosso.

### Divinotermes digitatus Carrrijo and Cancello, 2011

Divinotermes digitatus Carrijo and Cancello, 2011: 553-554 (soldier), figs. 5, 6C.

TYPE DATA: Holotype: MZUSP 12681 soldier. Paratypes: MZUSP soldiers, workers. Type locality: Brazil: Goias, Minacu, UHE Serra da Mesa [13°50′S, 48°17′W].

Tistribution: Neotropical Region—Brazil: Goiás.

#### **Divinotermes tuberculatus** Carrijo and Cancello, 2011

Divinotermes tuberculatus Carrijo and Cancello, 2011: 550, 551, 552 (soldier), figs. 1C-D, 4, 6B.

TYPE DATA: Holotype: MZUSP 12682 soldier. Paratypes: MZUSP soldiers, workers. Type locality: Brazil: Rondônia: Vilhena [12°39′S, 60°07′W].

§ DISTRIBUTION: Neotropical Region—Brazil: Rondônia.

# Drepanotermes Silvestri, 1909

Drepanotermes Silvestri, 1909b: 295.

Type species: *Termes perniger* Froggatt, 1897 (= *Termes rubriceps* Froggatt, 1897) by original designation.

- Holmgren, 1912a: 88, 89-90 Hamitermes (Drepanotermes); characters; key; species included.
- Warren, 1919: 2 Drepanotermes; distribution.
- Emerson, 1928b: 407 Amitermes (Drepanotermes); distribution.
- Hill, 1942: 14, 307–310, 367–368 *Hamitermes* [part]; *Hamitermes* (*Drepanotermes*); key; synonymy; imago, soldier, worker diagnosed.

- Snyder, 1949a: 112 Drepanotermes; catalog; reference list.
- Ratcliffe et al., 1952: 54 Hamiterme (Drepanotermes); key.
- Emerson, 1955: 510 *Drepanotermes*; number of species; distribution.
- Weidner, 1955f: 72 Drepanotermes; number of species; distribution.
- Calaby and Gay, 1959: 212 Drepanotermes; zoogeography; number of species.
- Morimoto, 1975b: 28 Drepanotermes; key.
- Roonwal and Verma, 1980a: 262 *Drepanotermes*; wing microsculpturing.
- Watson and Perry, 1981: 2–12 Drepanotermes; characters; biology; species included.
- Watson, 1982: 263–265 *Drepanotermes*; biology; speciation; distribution.
- Roonwal, 1983b: 364 *Drepanotermes*; wing microsculpturing.
- Prestwich, 1984a: 207, fig. 2 Drepanotermes; defensive chemicals.
- Prestwich, 1985b: 449 *Drepanotermes*; defensive chemicals; biochemistry.
- Watson and Sewell, 1985: 33 Drepanotermes; castes; division of labor in workers.
- Miller, 1989: 27–30 *Drepanotermes*; sub-fossil mounds of late Pleistocene.
- Watson and Abbey, 1993b: 4 Drepanotermes; remarks; Australian species.
- Costa-Leonardo et al., 2009: 1–6 *Drepanotermes*; semiochemicals; trail, alarm and sex pheromones.
- ▲ 24 species.
- © DISTRIBUTION: Australian Region.

## **Drepanotermes acicularis** Watson and Perry, 1981

Drepanotermes acicularis Watson and Perry, 1981: 12-14 (soldier, worker), figs. 68-70.

Type data: Holotype: ANIC No. 9021 soldier. Paratypes: ANIC No. 10 16132 soldiers, workers, AMNH soldiers, workers.

Type locality: Australia: Western Australia: Dalgety Downs Station [25°15′S, 116°32′E].

- Watson and Abbey, 1993b: 86, fig. 142 Drepanotermes acicularis; distribution map.
- Watson et al., 1998: 216–217 *Drepanotermes acicularis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Drepanotermes barretti Watson and Perry, 1981

Drepanotermes barretti Watson and Perry, 1981: 14-17 (soldier, worker, nymph), figs. 71-73.

Type data: Holotype: ANIC No. 9019 soldier. Paratypes: ANIC No. 10 14114 soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers. Type locality: Australia: Western Australia: 28 km E of Meekatharra on Wiluna road [26°34′S, 118°46′E].

- Brown et al., 1993: 359, 360, 361 Drepanotermes barretti; cuticular hydrocarbons.
- Watson and Abbey, 1993b: 86, fig. 143 Drepanotermes barretti; distribution map.
- Brown et al., 1996: 205, fig. 3 Drepanotermes barretti; cuticular hydrocarbons.
- Watson et al., 1998: 217 *Drepanotermes barretti*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

### Drepanotermes basidens Watson and Perry, 1981

Drepanotermes basidens Watson and Perry, 1981: 17-20 (soldier, worker), figs. 74-76.

Type data: Holotype: ANIC No. 9015 soldier. Paratypes: ANIC No. 10 13290 soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers. Type locality: Australia: Western Australia: 10 mi (16 km) SE of Carnaryon [24°49′S, 113°46′E].

- Watson and Abbey, 1993b: 87, fig. 144 Drepanotermes basidens; distribution map.
- Watson et al., 1998: 217 Drepanotermes basidens; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia: Barrow Island.

### **Drepanotermes bellator** Watson and Perry, 1981

Drepanotermes bellator Watson and Perry, 1981: 20-27 (imago, soldier, worker), figs. 77-79.

Type data: Holotype: ANIC No. 9010 soldier. Paratypes: ANIC No. 10 13607 imagoes, soldiers, workers, nymphs, ANIC imagoes soldiers, workers [several series from non-type localities], AMNH soldiers, workers.

Type locality: Australia: Northern Territory: 7 mi (11 km) E of Alice Springs [23°42′S, 133°59′E].

- Brown et al., 1993: 360, 361 *Drepanotermes bellator*; cuticular hydrocarbons.
- Watson and Abbey, 1993b: 87, fig. 145 Drepanotermes bellator; distribution map.
- Brown et al., 1996: 207, fig. 3 Drepanotermes bellator; cuticular hydrocarbons.
- Watson et al., 1998: 217 *Drepanotermes bellator*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia.

## Drepanotermes brevis Watson and Perry, 1981

Drepanotermes brevis Watson and Perry, 1981: 28-30 (soldier, worker), figs. 1, 2, 80-82.

Type data: Holotype: ANIC No. 9004 soldier. Paratypes: ANIC No. 10 13277 soldier, workers, ANIC soldier, workers [three series from non-type localities], AMNH soldiers, workers.

Type locality: Australia: Western Australia: 12 mi (19 km) SW of Barradale crossing, Yannarie River, on North-West Coastal Highway [22°55′S, 114°46′E].

- Watson and Abbey, 1993b: 88, fig. 146 Drepanotermes brevis; distribution map.
- Watson et al., 1998: 217 Drepanotermes brevis; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Drepanotermes calabyi Watson and Perry, 1981

Drepanotermes calabyi Watson and Perry, 1981: 30-34 (soldier, worker), figs. 86-94.

Type data: Holotype: ANIC No. 9003 soldier. Paratypes: ANIC No. 10 13265 soldier, workers, ANIC soldier, workers [several series from non-type localities], AMNH soldiers, workers. Type locality: Australia: Western Australia: 5 mi (8 km) W of Balmoral homestead [21°10′S, 116°03′E].

- Watson and Abbey, 1993b: 88, fig. 147 Drepanotermes calabyi; distribution map.
- Watson et al., 1998: 217–218 *Drepanotermes calabyi*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

## Drepanotermes clarki (Hill, 1935)

Hamitermes clarki Hill, 1935: 30 (soldier), fig. 38.

TYPE DATA: Holotype: ANIC No. 9012 soldier. Paratypes: ANIC soldiers, AMNH soldiers. Type locality: Australia: Western Australia: Eradu.

- Hill, 1942: 368–369, fig. 281 *Hamitermes (Drepanotermes) clarki*; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 112 Drepanotermes clarki; catalog; new combination. Australia.
- Watson and Perry, 1981: 34–37, figs. 1, 2, 83–85 *Drepanotermes clarki*; soldier, worker described and figured. Australia.
- Brown et al., 1993: 360, 361 Drepanotermes clarki; cuticular hydrocarbons.
- Watson and Abbey, 1993b: 89, fig. 148 Drepanotermes clarki; distribution map.
- Brown et al., 1996: 205, fig. 3 Drepanotermes clarki; cuticular hydrocarbons.
- Watson et al., 1998: 218 *Drepanotermes clarki*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Drepanotermes columellaris Watson and Perry, 1981

*Drepanotermes columellaris* Watson and Perry, 1981: 37–42 (soldier, worker, nymph), figs. 1, 2, 95–97, 161–165.

Type data: Holotype: ANIC No. 9001 soldier. Paratypes: ANIC No. 10 13059 soldiers, workers, nymphs, ANIC soldiers, workers [several series from non-type localities], AMNH workers. Type locality: Australia: Western Australia: 15 mi (24 km) SW of Kumarina [24°52′S, 119°29′E].

- Watson and Abbey, 1993b: 89, fig. 149 Drepanotermes columellaris; distribution map.
- Abensperg-Traun and Perry, 1998: 196, fig. 3 *Drepanotermes columellaris*; biology; ecology; distribution.
- Watson et al., 1998: 218 Drepanotermes columellaris; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## **Drepanotermes corax** Watson and Perry, 1981

Drepanotermes corax Watson and Perry, 1981: 42-44 (soldier, worker), figs. 98-100.

Type data: Holotype: ANIC No. 9008 soldier. Paratypes: ANIC No. 10 13268 soldiers, workers, ANIC soldiers, workers [not type locality], AMNH soldiers, workers.

Type Locality: Australia: Western Australia: Roeburne [20°47′S, 117°09′E].

- Watson and Abbey, 1993b: 90, fig. 150 Drepanotermes corax; distribution map.
- Watson et al., 1998: 218 *Drepanotermes corax*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Drepanotermes crassidens Watson and Perry, 1981

Drepanotermes crassidens Watson and Perry, 1981: 44-47 (soldier, worker), figs. 101-103.

Type data: Holotype: ANIC No. 9011 soldier. Paratypes: ANIC No. 10 15146 soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality], AMNH soldiers, workers.

Type locality: Australia: Western Australia: Eurardy Station [27°30′S, 114°43′E].

- Watson and Abbey, 1993b: 90, fig. 151 Drepanotermes crassidens; distribution map.
- Watson et al., 1998: 218 Drepanotermes crassidens; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Drepanotermes daliensis Hill, 1922

Drepanotermes daliensis Hill, 1922a: 373-375 (soldier, worker), figs. 8a, 9b.

Type data: Lectotype: SAMA No. IS 68.001 soldier. Paralectotypes: ANIC No. 10 13756 soldiers, workers, NMV soldiers, workers, SAMA soldiers, workers.

LECTOTYPE DESIGNATION: Watson and Perry, 1981: 47.

Type Locality: Australia: Northern Territory: Upper Daly River.

- Hill, 1942: 370 *Drepanotermes daliensis*; treated as a synonym of *rubriceps*.
- Snyder, 1949a: 113 *Drepanotermes daliensis*; catalog; listed as a synonym of *D. rubriceps*. Australia.
- Watson and Perry, 1981: 47–53, figs. 1, 2, 104–109, 166–170 *Drepanotermes daliensis*; sp. rev.; synonymy; imago, soldier, worker described and figured; distribution. Australia.
- Watson and Abbey, 1993b: 91, fig. 152 Drepanotermes daliensis; distribution map.
- Abensperg-Traun and Perry, 1998: 198, fig. 5 Drepanotermes daliensis; biology; ecology; distribution.
- Watson et al., 1998: 218–219 Drepanotermes daliensis; catalog; synonymy; distribution; ecology.
   Australia.
- DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

# Drepanotermes dibolia Watson and Perry, 1981

Drepanotermes dibolia Watson and Perry, 1981: 53-55 (soldier, worker), figs. 110-112, 171.

Type data: Holotype: ANIC No. 9016 soldier. Paratypes: ANIC No. 10 13777 soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers. Type locality: Australia: Western Australia: Barrow Island [20°48′S, 115°24′E].

- Watson and Abbey, 1993b: 91, fig. 153 Drepanotermes dibolia; distribution map.
- Watson et al., 1998: 219 *Drepanotermes dibolia*; catalog; synonymy; distribution; ecology. Australia.
- 🔊 DISTRIBUTION: Australian Region—Australia: Western Australia: Barrow Island.

## Drepanotermes diversicolor Watson and Perry, 1981

*Drepanotermes diversicolor* Watson and Perry, 1981: 57–63 (imago, soldier, worker), figs. 1, 2, 113–121, 172–177.

Type data: Holotype: ANIC No. 9009 soldier. Paratypes: ANIC No. 10 13062 soldiers, workers, ANIC imagoes soldiers, workers [several series from non-type localities], AMNH soldiers, workers.

Type locality: Australia: Western Australia: Mileura Station, 2–3 mi (3–5 km) NW of homestead [26°21′S, 117°16′E].

- Watson and Abbey, 1993b: 92, fig. 154 Drepanotermes diversicolor; distribution map.
- Brown et al., 1996: 203, fig. 2 Drepanotermes diversicolor; cuticular hydrocarbons.
- Watson et al., 1998: 219 Drepanotermes diversicolor; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Barrow Island.

### Drepanotermes gayi Watson and Perry, 1981

*Drepanotermes gayi* Watson and Perry, 1981: 63–67 (soldier, worker, nymph), figs. 122–124, 178–184.

Type data: Holotype: ANIC No. 9002 soldier. Paratypes: ANIC No. 10 13310 soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers. Type locality: Australia: Western Australia: 1 mi (2 km) E of Wongan Hills (town) [30°53′S, 116°44′E].

- Abensperg-Traun and de Boer, 1990: 219–226 *Drepanotermes gayi*; ckecklist; ecology; biomass; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Drepanotermes gayi; foraging; defense.
- Brown et al., 1993: 360, 361 Drepanotermes gayi; cuticular hydrocarbons.
- Watson and Abbey, 1993b: 92, fig. 155 Drepanotermes gayi; distribution map.
- Brown et al., 1996: 205, fig. 3 Drepanotermes gayi; cuticular hydrocarbons.
- Watson et al., 1998: 219 *Drepanotermes gayi*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# Drepanotermes hamulus Watson and Perry, 1981

*Drepanotermes hamulus* Watson and Perry, 1981: 68–71 (soldier, nymph), figs. 125–127, 185, 187.

Type data: Holotype: ANIC No. 9018 soldier. Paratypes: ANIC No. 10 13775 soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers. Type locality: Australia: Western Australia: 7 mi (11 km) S of Cue [27°27′S, 117°53′E].

- Watson and Abbey, 1993b: 93, fig. 156 Drepanotermes hamulus; distribution map.
- Watson et al., 1998: 219 *Drepanotermes hamulus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

### Drepanotermes hilli Watson and Perry, 1981

*Drepanotermes hilli* Watson and Perry, 1981: 71–74 (soldier, worker, nymph), figs. 128–130, 187–190.

Type data: Holotype: ANIC No. 9017 soldier. Paratypes: ANIC No. 10 13774 soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers. Type locality: Australia: Western Australia: approximately 5 mi (8 km) S of Kirkalocka Station homestead [28°35′S, 117°46′E].

- Watson and Abbey, 1993b: 93, fig. 157 Drepanotermes hilli; distribution map.
- Watson et al., 1998: 219–220 *Drepanotermes hilli*; catalog; synonymy; distribution; ecology. Australia.
- DISTRIBUTION: Australian Region—Australia: Western Australia.

### Drepanotermes invasor Watson and Perry, 1981

Drepanotermes invasor Watson and Perry, 1981: 74–79 (imago, soldier, worker), figs. 131–133, 191–196.

Type data: Holotype: ANIC No. 9005 soldier. Paratypes: ANIC No. 10 13695 king, queen, soldiers, workers, ANIC queen, soldiers, workers [several series from non-type localities], AMNH soldiers, workers [not type locality], AMNH soldier, worker.

Type locality: Australia: Northern Territory: 4 mi (6 km) NW of Katherine [14°26′S, 132°12′E].

- Watson and Abbey, 1993b: 94, fig. 158 Drepanotermes invasor; distribution map.
- Watson et al., 1998: 220 *Drepanotermes invasor*; catalog; synonymy; distribution; ecology. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland; Groote Eylandt.

#### Drepanotermes magnificus (Mjöberg, 1920)

*Eutermes magnificus* Mjöberg, 1920: 63–65 (imago), figs. 32–34 [species inquirenda fide Watson and Perry, 1981: 2].

Type data: Holotype (whereabouts unknown): imago.

Type Locality: Australia: Western Australia: Kimberley District: Lower Lewarynga.

- Hill, 1942: 370 Eutermes magnificus; listed as a synonym of D. rubriceps.
- Snyder, 1949a: 113 Eutermes magnificus; catalog; listed as a synonym of D. rubriceps. Australia.
- DISTRIBUTION: Australian Region—Australia: Western Australia.

#### **Drepanotermes paradoxus** Watson and Perry, 1981

*Drepanotermes paradoxus* Watson and Perry, 1981: 79–82 (soldier, worker, nymph), figs. 1, 2, 134–136.

Type data: Holotype: ANIC No. 9007 soldier. Paratypes: ANIC No. 10 13260 soldiers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality], AMNH soldiers, workers.

Type locality: Australia: Western Australia: 10 mi (16 km) SE of Roebourne [20°50'S, 117°17'E].

- Watson and Abbey, 1993b: 94, fig. 159 Drepanotermes paradoxus; distribution map.
- Watson et al., 1998: 220 Drepanotermes paradoxus; catalog; synonymy; distribution; ecology. Australia.
- 🕙 DISTRIBUTION: Australian Region—Australia: Western Australia.

## Drepanotermes perniger (Froggatt, 1898)

Termes perniger Froggatt, 1898: 734-736 (soldier, worker), pl. 35: fig. 3.

Type data: Lectotype: ANIC No. 9014 soldier. Paralectotypes: ANIC No. 10 13349 soldiers, workers, NMV soldiers, workers, AMNH soldier, workers.

LECTOTYPE DESIGNATION: Watson and Perry, 1981: 82.

Type locality: Australia: Western Australia: Kalgoorlie.

- Desneux, 1904b: 44 Termes (Eutermes) perniger; reference list. Australia.
- Froggatt, 1905: 27, 31 Termes perniger; characters; locality. Australia.
- Froggatt, 1907: 26 Termes perniger; characters; locality. Australia.
- Silvestri, 1909b: 296, pl. 20: figs. 154–156 *Drepanotermes perniger*; soldier, worker figured; locality; new combination. Australia.
- Holmgren, 1912a: 90, fig. 61 *Hamitermes (Drepanotermes) perniger*; listed; soldier mandibles figured; new combination. Australia.
- Mjöberg, 1920: 66, 67, 69–73, figs. 35, 36, pl. 1: fig. 1 Hamitermes (Drepanotermes) perniger; imago (previously unknown) described and figured; soldier antenna figured; key; nest; locality. Australia.
- Hill, 1922a: 374, 375, figs. 8b, 9a *Drepanotermes perniger*; soldier measurements; soldier antenna figured; remarks; comparisons; locality. Australia.
- Hill, 1935: pl. 2: fig. 39 Hamitermes perniger; soldier figured.
- Hill, 1942: 369 Termes perniger; treated as a synonym of rubriceps.
- Snyder, 1949a: 113 Termes perniger; catalog; listed as a synonym of D. rubriceps. Australia.
- Watson and Gay, 1970: 43 Drepanotermes perniger; ecology.
- Watson et al., 1973: 125 Drepanotermes perniger; ecology.
- Watson, 1974b: 471-487 Drepanotermes perniger; caste development.
- Campbell and Watson, 1975: 293–306 *Drepanotermes perniger*; measurements; multivariate analysis.
- Watson and McMahan, 1978: 53-62 Drepanotermes perniger; polyethism.
- Watson et al., 1978b: 102, 105, 106, 107 Drepanotermes perniger; distribution; ecology.
- Mathot, 1979: 10 *Drepanotermes perniger*; collection catalog; types listed.
- Watson and Perry, 1981: 82–90, figs. 1, 2, 137–142, 197–202 *Drepanotermes perniger*; sp. rev.; synonymy; imago, soldier, worker described and figured; distribution. Australia.
- Watson and Sewell, 1981: fig. 11 *Drepanotermes perniger*; developmental pathways.
- Prestwich, 1984a: table 1 Drepanotermes perniger; checklist; ecology; defense mode; chemicals; distribution.
- Holt and Easey, 1985: 61–69 *Drepanotermes perniger*; polycalic mounds.
- Watson and Sewell, 1985: 30, fig. 3.4 *Drepanotermes perniger*; developmental pathways, castes; division of labor.
- Watson et al., 1988: 217–244 Drepanotermes perniger; nest growth.
- Abensperg-Traun and de Boer, 1990: 219–226 Drepanotermes perniger; checklist; ecology; biomass; habitat; distribution. Australia.
- Khalil et al., 1990: 3619-3634 Drepanotermes perniger; methane and other gas emissions.
- Watson and Gay, 1991: fig. 20.12 *Drepanotermes perniger*; nest figured.
- Whitford et al., 1992: 87–91 Drepanotermes perniger; ecology; habitat. Australia.
- Abensperg-Traun, 1993: 37 Drepanotermes perniger; foraging; defense.
- Brown et al., 1993: 359–361 *Drepanotermes perniger*; cuticular hydrocarbons.

- Holt and Easey, 1993: 281–286 Drepanotermes perniger; mound population size; biomass.
- Watson and Abbey, 1993b: 95, fig. 160 Drepanotermes perniger; distribution map.
- Brown et al., 1996: 181–197 Drepanotermes perniger; cuticular hydrocarbons.
- Abensperg-Traun and Perry, 1998: 193, fig. 1 Drepanotermes perniger; biology; ecology; distribution.
- Watson et al., 1998: 220 *Drepanotermes perniger*; catalog; synonymy; distribution; ecology. Australia.

Hamitermes rubriceps opacus Hill, 1942: 357, 368, 369, 477 [nomen nudum; cited as a variety but never described; specimens identified as perniger by Watson and Perry, 1981].

© DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Victoria, Western Australia.

### **Drepanotermes phoenix** Watson and Perry, 1981

*Drepanotermes phoenix* Watson and Perry, 1981: 90–95 (imago, soldier, worker), figs. 143–145, 203–205.

Type data: Holotype: ANIC No. 9022 soldier. Paratypes: ANIC No. 10 10387 imagoes, soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers.

Type Locality: Australia: Western Australia: near Port Hedland airport [20°23'S, 118°38'E].

- Watson and Abbey, 1993b: 95, fig. 161 Drepanotermes phoenix; distribution map.
- Abensperg-Traun and Perry, 1998: 198, fig. 5 *Drepanotermes phoenix*; biology; ecology; distribution.
- Watson et al., 1998: 220 *Drepanotermes phoenix*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

# **Drepanotermes rubriceps** (Froggatt, 1898)

Termes rubriceps Froggatt, 1898: 730-731 (soldier, worker), pl. 34: figs. 9, 9a.

Туре DATA: Neotype ANIC No. 9013 imago  $\delta$ .

NEOTYPE DESIGNATION: Hill, 1942: 377 "Holoneotype" [= neotype] designated.

Type Locality: Australia: Northern Territory, near Alice Springs [see Watson and Perry, 1981: 95].

- Desneux, 1904b: 45 Termes (Eutermes) rubriceps; reference list. Australia.
- Froggatt, 1905: 27, 30–31 Termes rubriceps; characters; locality. Australia.
- Froggatt, 1907: 26 Termes rubriceps; biology. Australia.
- Silvestri, 1909b: 296 *Drepanotermes rubriceps*; listed; new combination.
- Holmgren, 1912a: 90 Hamitermes (Drepanotermes) rubriceps; listed; new combination. Australia.
- Hill, 1915: 89-91 Termes rubriceps; imago (previously unknown) described; biology. Australia.
- Mjöberg, 1920: 66, 67 Hamitermes (Drepanotermes) rubriceps; key.
- Hill, 1921c: 22 Drepanotermes rubriceps; listed.
- Hill, 1922a: 376, figs. 10–12 *Drepanotermes rubriceps*; imago, soldier described and figured; locality. Australia.
- Hill, 1942: 369–377, figs. 282–289, pls. 22, 23 *Hamitermes (Drepanotermes) rubriceps* [part]; imago, soldier described and figured; synonymy; distribution; biology. Australia [perniger, silvestrii, septentrionalis, daliensis, tamminensis listed as synonyms].
- Snyder, 1949a: 113 Drepanotermes rubriceps; catalog; reference list; synonymy. Australia.

- Ahmad, 1950: 83, fig. 13 Drepanotermes rubriceps; worker mandibles figured.
- Ratcliffe et al., 1952: 111–113, 11M Hamitermes (Drepanotermes) rubriceps [part]; soldier figured; characters; biology; distribution.
- Roonwal and Pant, 1953: 50 Drepanotermes rubriceps; collection catalog. Australia.
- Noirot, 1956: 150 *Drepanotermes rubriceps*; supplementary reproductives.
- Mathur and Thapa, 1962a: 41 Drepanotermes rubriceps; collection catalog. Australia.
- Gay, 1968a: 407, 414, 421, 431 Drepanotermes rubriceps; association with other species.
- Moore, 1968: 37 *Drepanotermes rubriceps*; secretions; biochemistry.
- Noirot and Noirot-Timothée, 1969: 66, fig. 3.7C Drepanotermes rubriceps; digestive tube figured.
- Van Boven, 1969a: 42 Drepanotermes rubriceps; listed. Australia.
- Gay and Calaby, 1970: 428-429 Drepanotermes rubriceps; biology; distribution. Australia.
- Watson and Gay, 1970: 43 Drepanotermes rubriceps; ecology.
- Watson et al., 1973: 125 Drepanotermes rubriceps; ecology.
- Roonwal, 1978d: 169 Drepanotermes rubriceps; biology; distribution.
- Watson et al., 1978b: 102, 105, 106, 107 Drepanotermes rubriceps; distribution; ecology.
- Watson and McMahan, 1978: 53-62 *Drepanotermes rubriceps*; polyethism.
- Mathot, 1979: 11 *Drepanotermes rubriceps*; collection catalog; types listed.
- Prestwich, 1979b: 465 Drepanotermes rubriceps; chemical defense; biochemistry.
- Roonwal and Verma, 1980a: 255 *Drepanotermes ruficeps* [sic]; wings described; wing microsculpturing.
- Watson and Perry, 1981: 95–106, figs. 1, 2, 146–148, 206–213 *Drepanotermes rubriceps*; synonymy; imago, soldier, worker described and figured; distribution. Australia.
- Blum, 1981a: 46, 48 *Drepanotermes rubriceps*; defensive secretions; biochemistry.
- Watson, 1982: 264, 265 Drepanotermes rubriceps; characters; distribution.
- Prestwich, 1984a: table 1 Drepanotermes rubriceps; checklist; ecology; defense mode; chemicals; distribution.
- Holt and Easey, 1985: 61-69 Drepanotermes rubriceps; polycalic mounds.
- Abensperg-Traun, 1993: 37 *Drepanotermes rubriceps*; foraging; defense.
- Brown et al., 1993: 360, 361 *Drepanotermes rubriceps*; cuticular hydrocarbons.
- Holt and Easey, 1993: 281-286 Drepanotermes rubriceps; mound population size; biomass.
- Watson and Abbey, 1993b: 96, fig. 162 *Drepanotermes rubriceps*; distribution map.
- Brown et al., 1996: 203, fig. 2 *Drepanotermes rubriceps*; cuticular hydrocarbons.
- Abensperg-Traun and Perry, 1998: 193, fig. 1 *Drepanotermes rubriceps*; biology; ecology; distribution.
- Watson et al., 1998: 220–221 *Drepanotermes rubriceps*; catalog; synonymy; distribution; ecology. Australia.
- Bulmer and Crozier, 2004: 2256–2264 Drepanotermes rubriceps; mRNA sequences; proteins.
- Ohkuma et al., 2004: 701-710 *Drepanotermes rubriceps*; phylogeny; COII sequences.
- Bulmer and Crozier, 2006: 317–326 *Drepanotermes rubriceps*; gene loci (relish, GNBPs); DNA sequence; positive selection; phylogeny.

Drepanotermes silvestrii Hill, 1922a: 364–376 (imago, soldier, worker), figs. 1–5.

Type data: Lectotype: AMNH soldier. Paralectotypes: ANIC No. 10 13751 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Watson and Perry, 1981: 95.

Type Locality: Australia: Queensland: Townsville.

- Hill, 1922b: pl. 24 Drepanotermes silvestrii; nest figured.
- Tillyard, 1926b: 106, fig. H1, pl. 9: fig. 3 Hamitermes silvestrii; listed.
- Wheeler, 1936: 209, 230, 233, 234 Drepanotermes silvestrii; ant ecological relationships.
- Hill, 1942: 370 *Drepanotermes silvestrii*; synonymized with *rubriceps*.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, South Australia, Western Australia.

## Drepanotermes septentrionalis Hill, 1922

Drepanotermes septentrionalis Hill, 1922a: 372-373 (imago, soldier), figs. 6, 7.

Type data: Lectotype: AMNH soldier. Paralectotypes: ANIC No. 10 13750 imago ♀, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers, nymphs, USNM soldiers, workers.

LECTOTYPE DESIGNATION: Watson and Perry, 1981: 106.

Type locality: Australia: Northern Territory: Darwin.

- Hill, 1942: 370 Drepanotermes septentrionalis; treated as a synonym of rubriceps.
- Snyder, 1949a: 113 *Drepanotermes septentrionalis*; catalog; listed as a synonym of *D. rubriceps*. Australia.
- Watson and Perry, 1981: 106–110, figs. 149–151, 214–218 *Drepanotermes septentrionalis*; sp. rev.; synonymy; imago, soldier, worker described and figured; distribution. Australia.
- Watson, 1982: 264, 265 *Drepanotermes septentrionalis*; characters; distribution.
- Brown et al., 1993: 360, 361 Drepanotermes septentrionalis; cuticular hydrocarbons.
- Watson and Abbey, 1993b: 96, fig. 163 Drepanotermes septentrionalis; distribution map.
- Brown et al., 1996: 205, fig. 2 Drepanotermes septentrionalis; cuticular hydrocarbons.
- Watson et al., 1998: 221 *Drepanotermes septentrionalis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

## Drepanotermes tamminensis (Hill, 1929)

*Hamitermes (Drepanotermes) tamminensis* Hill, 1929: 88–90 (imago, soldier, worker), pl. 14: figs. 3–6.

Type data: Lectotype: AMNH soldier. Paralectotypes: ANIC Nos. 10 441, 10 13749 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, USNM imagoes, soldiers, workers. Lectotype designation: Watson and Perry, 1981: 110.

Type locality: Australia: Western Australia: Tammin.

- Hill, 1942: 370 Hamitermes (Drepanotermes) tamminensis; treated as a synonym of rubriceps.
- Snyder, 1949a: 113 *Hamitermes (Drepanotermes) tamminensis*; catalog; listed as a synonym of *D. rubriceps*. Australia.
- Watson and Perry, 1981: 110–114, figs. 1, 2, 152–154 Drepanotermes tamminensis; sp. rev.; synonymy; imago, soldier, worker described and figured; distribution; new combination.
   Australia.
- Abensperg-Traun and de Boer, 1990: 219–226 *Drepanotermes tamminensis*; checklist; ecology; biomass; habitat; distribution. Australia.
- Watson and Gay, 1991: fig. 20.15I Drepanotermes tamminensis; soldier figured.
- Abensperg-Traun, 1993: 37 Drepanotermes tamminensis; foraging; defense.
- Brown et al., 1993: 360, 361 Drepanotermes tamminensis; cuticular hydrocarbons.
- Park et al., 1993: 269–275 Drepanotermes tamminensis; harvesting rate.
- Watson and Abbey, 1993b: 97, fig. 164 Drepanotermes tamminensis; distribution map.
- Brown et al., 1996: 207, fig. 3 Drepanotermes tamminensis; cuticular hydrocarbons.
- Abensperg-Traun and Perry, 1998: 194, 196, 199, fig. 2, pls. 3–5 *Drepanotermes tamminensis*; mound figured; biology; ecology; distribution.
- Watson et al., 1998: 221, fig. 9 *Drepanotermes tamminensis*; soldier figured; catalog; synonymy; distribution; ecology. Australia.
- DISTRIBUTION: Australian Region—Australia: Western Australia.

## Ekphysotermes Gay, 1971

#### Ekphysotermes Gay, 1971a: 24-25.

Type species: Mirotermes (Mirotermes) kalgoorliensis Hill, 1942: by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes*; as genus and subgenus [part]; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 4 Ekphysotermes; remarks; Australian species.
- ▲ 5 species.
- ♠ DISTRIBUTION: Australian Region.

## Ekphysotermes jarmuranus (Hill, 1929)

Mirotermes jarmuranus Hill, 1929: 93–94 (imago).

Type data: Holotype: NMV No. T-10866 imago ♀.

Type locality: Australia: Western Australia: 208 km SE Broome.

- Hill, 1942: 390, fig. 299 *Mirotermes (Mirotermes) jarmuranus*; imago described and figured; synonymy; distribution. Australia.
- Snyder, 1949a: 182 Termes jarmuranus; catalog; new combination. Australia.
- Miller, 1991: 1192, figs. 264–266, 385 *Ekphysotermes jarmuranus*; imago figured; new combination. Australia.
- Watson and Abbey, 1993b: 98, fig. 165 Ekphysotermes jarmuranus; distribution map.
- Watson et al., 1998: 221 Ekphysotermes jarmuranus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, South Australia, Western Australia.

## Ekphysotermes kalgoorliensis (Hill, 1942)

Mirotermes (Mirotermes) kalgoorliensis Hill, 1942: 410-411 (imago), figs. 318, 319.

Туре Data: Holotype: ANIC No. 9124 imago  $\delta$ . Paratypes: ANIC No. 10 17731 imagoes  $\mathfrak{P}$ , ANIC imago [not type locality], AMNH imagoes.

Type locality: Australia: Western Australia: Kalgoorlie.

- Froggatt, 1898: 747, pl. 35 Eutermes tumuli; part: imago description only.
- Froggatt, 1905: 36, 37 Eutermes tumuli; remarks [imago only].
- Holmgren, 1912a: 64, pl. 3: fig. 12 Eutermes (Tumulitermes) tumuli; listed [imago only].
- Hill, 1923: 45, fig. 14 Eutermes tumuli; figured [imago only].
- Snyder, 1949a: 182 Termes kalgoorliensis; catalog; new combination. Australia.
- Gay, 1971a: 4, 24, 25–27, 34, 35, figs. 7, 9D *Ekphysotermes kalgoorliensis*; synonymy; key; soldier (previously unknown), imago described and figured; biology; distribution; new combination. Australia.
- Ruelle, 1975b: 8 Ekphysotermes kalgoorliensis; "paramorphotypes" [= nontypes] listed.
- Watson et al., 1978b: 102, 105, 106, 107 Ekphysotermes kalgoorliensis; distribution; ecology.
- Miller, 1991: 1192, figs. 94–97, 267–269, 334, 385 Ekphysotermes kalgoorliensis; imago, soldier figured. Australia.
- Watson and Abbey, 1993b: 98, fig. 166 Ekphysotermes kalgoorliensis; distribution map.

- Watson et al., 1998: 222 *Ekphysotermes kalgoorliensis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Western Australia.

### Ekphysotermes ocellaris (Mjöberg, 1920)

Eutermes ocellaris Mjöberg, 1920: 61-62 (imago), figs. 20a, 30, 31.

Түре дата: Lectotype: NHRM imago ♂. Paralectotype: AMNH imago ♂.

LECTOTYPE DESIGNATION: Watson et al., 1998: 222.

Type locality: Australia: Western Australia: Kimberley region, near Oscar Range.

- Hill, 1942: 396–398, fig. 307 *Mirotermes (Mirotermes) ocellaris*; imago described and figured; synonymy; distribution; biology; new combination. Australia.
- Snyder, 1949a: 184 Termes ocellaris; catalog; new combination. Australia.
- Gay, 1971a: 25 Ekphysotermes ocellaris; listed; new combination.
- Miller, 1991: 1192, figs. 270–272, 386 Ekphysotermes ocellaris; imago figured. Australia.
- Watson and Abbey, 1993b: 99, fig. 167 Ekphysotermes ocellaris; distribution map.
- Watson et al., 1998: 222 *Ekphysotermes ocellaris*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

# Ekphysotermes pelatus (Hill, 1942)

Mirotermes (Mirotermes) pelatus Hill, 1942: 411–412 (imago), figs. 4, 320.

TYPE DATA: Holotype: ANIC No. 9125 imago ♂. Paratypes: ANIC No. 10 2007 imagoes, AMNH imagoes, USNM imago.

Type locality: Australia: Queensland, near Cunnamulla.

- Snyder, 1949a: 185 Termes pelatus; catalog; new combination. Australia.
- Gay, 1971a: 4, 25, 27, 28, 34, fig. 9E *Ekphysotermes pelatus*; synonymy; key; imago characters; imago mandibles figured; new combination. Australia.
- Miller, 1991: 1192, figs. 273–275, 385 Ekphysotermes pelatus; imago figured. Australia.
- Watson and Abbey, 1993b: 99, fig. 168 Ekphysotermes pelatus; distribution map.
- Watson et al., 1998: 222 *Ekphysotermes pelatus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

#### Ekphysotermes percomis (Hill, 1942)

Mirotermes (Mirotermes) percomis Hill, 1942: 412–413 (imago), fig. 321.

Type data: Holotype: ANIC No. 9126 imago ♀. Paratypes: ANIC No. 10 1805 imagoes, AMNH imagoes.

Type locality: Australia: Queensland, near Cunnamulla.

- Snyder, 1949a: 185 Termes percomis; catalog; new combination. Australia.
- Gay, 1971a: 4, 25, 28, 34, fig. 9F *Ekphysotermes percomis*; synonymy; key; imago characters; imago mandibles figured; new combination. Australia.
- Miller, 1991: 1192, figs. 276-278, 385 Ekphysotermes percomis; imago figured. Australia.

- Watson and Abbey, 1993b: 100, fig. 169 Ekphysotermes percomis; distribution map.
- Watson et al., 1998: 222 *Ekphysotermes percomis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Queensland, South Australia.

# Ephelotermes Miller, 1991

*Ephelotermes* Miller, 1991: 1178–1180.

Type species: Ephelotermes melachoma Miller, 1991 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes*; as genus and subgenus [part]; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 4 Ephelotermes; remarks; Australian species.
- Bourguignon et al., 2008: 7, 26 Ephelotermes; characters; key.
- ▲ 6 species.
- © DISTRIBUTION: Australian Region; Papuan Region.

## Ephelotermes argutus (Hill, 1929)

Mirotermes argutus Hill, 1929: 92-93 (soldier, worker), fig. 1c.

Type data: Lectotype: NMV No. T-10867 soldier. Paralectotypes: NMV workers.

LECTOTYPE DESIGNATION: Miller, 1991: 1180.

Type locality: Australia: Victoria: Kewell, 13 km NWN Mortoa.

- Hill, 1942: 391 *Mirotermes argutus*; listed as a synonym of *kraepelini* [sic]. Australia [some localities = *argutus*].
- Snyder, 1949a: 182 Mirotermes argutus; catalog; listed as a synonym of T. kraepelinii.
   Australia.
- Gay, 1971a: 4, 5, 6–9, 11, 13, 15, 29, 35 figs. 1, 9G, 10D *Termes argutus*; sp. rev., synonymy; key; imago (previously unknown), soldier described and figured; biology; distribution; new combination Australia.
- Watson et al., 1978b: 103, 105 Termes argutus; distribution; ecology.
- Perry et al., 1985: 68, 76, fig. 5C Termes argutus; key; characters; soldier figured; biology.
- Abensperg-Traun and de Boer, 1990: 226 Termes argutus; checklist; ecology; habitat; distribution. Australia.
- Miller, 1991: 1180, figs. 70–73, 246–248, 384 *Ephelotermes argutus*; stat. nov.; imago, soldier figured; new combination. Australia.
- Abensperg-Traun, 1993: 37 Ephelotermes argutus; foraging; defense.
- Watson and Abbey, 1993b: 101, fig. 170 Ephelotermes argutus; distribution map.
- Abensperg-Traun and Perry, 1998: 199 Ephelotermes argutus; biology; ecology; distribution.
- Watson et al., 1998: 222–223 Ephelotermes argutus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Victoria, Western Australia.

## Ephelotermes cheeli (Mjöberg, 1920)

Mirotermes cheeli Mjöberg, 1920: 95-98 (imago, soldier, worker), figs. 46, 47, pl. 2: fig. 4.

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM queen, soldiers, workers, nymphs, AMNH queen, soldiers, workers, USNM soldier, workers.

LECTOTYPE DESIGNATION: Miller, 1991: 1180.

Type Locality: Australia: Queensland: Cape York: Hann Creek.

- Hill, 1927a: 100–102, pl. 4: figs. 122–124, pl. 6: fig. 206, pl. 9: fig. 207 *Mirotermes cheeli*; imago described and figured; biology; locality. Australia.
- Hill, 1942: 381–382, figs. 291, 292, pl. 20: fig. 2 *Mirotermes (Mirotermes) cheeli*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 179 Termes cheeli; catalog; synonymy; new combination. Australia.
- Ratcliffe et al., 1952: 117, fig. 11H Mirotermes cheeli; soldier figured; characters; biology; distribution.
- Roonwal and Pant, 1953: 60 Termes cheeli; collection catalog. Australia.
- Mathur and Thapa, 1962a: 120 Termes cheeli; collection catalog. Australia.
- Moore, 1968: 37 Termes cheeli; secretions; biochemistry.
- Gay and Calaby, 1970: 434 *Termes cheeli*; biology; distribution. Australia.
- Roonwal and Verma, 1980b: 462, figs. 2R-T Termes cheeli; wings described; wing microsculpturing.
- Prestwich, 1984a: table 1 Termes cheeli; checklist; ecology; defense mode; chemicals; distribution.
- Miller, 1991: 1180–1183, figs. 74–77, 249–251, 338, 384 *Ephelotermes cheeli*; imago, soldier measured and figured; new combination. Australia.
- Watson and Abbey, 1993b: 101, fig. 171 Ephelotermes cheeli; distribution map.
- Watson et al., 1998: 223 *Ephelotermes cheeli*; catalog; synonymy; distribution; ecology. Australia.
- Bourguignon et al., 2008: 8, 11, 26, figs. 13–16, 49–50, 61, 66 *Ephelotermes cheeli*; imago, soldier described and figured; key, distribution. Australia; Papua New Guinea.

Mirotermes alleni Mjöberg, 1920: 98 (soldier, worker), figs. 48, 49 [described as "Alleni"].

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM soldiers, workers, AMNH soldier, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 223.

Type locality: Australia: Queensland, near Cooktown.

- Hill, 1927a: 102 Mirotermes alleni; locality. Australia.
- Hill, 1942: 381 *Mirotermes alleni*; synonymized with *cheeli*.

Mirotermes banksiensis Hill, 1927a: 109-110 (imago, soldier), figs. 139-142, 212, 213.

Type data: Lectotype: NMV No. T-10868 soldier. Paralectotypes: NMV imago ♀, workers, AMNH imagoes, soldier, workers, nymphs, AMNH soldiers, workers [not type locality]. Lectotype designation: Watson et al., 1998: 223.

Type Locality: Australia: Queensland, Banks Island.

- Hill, 1942: 381 Mirotermes banksiensis; synonymized with cheeli.
- ♠ DISTRIBUTION: Australian Region—Australia: Queensland: Torres Strait Islands. ◆ Papuan Region—Papua New Guinea.

### **Ephelotermes melachoma** Miller, 1991

*Ephelotermes melachoma* Miller, 1991: 1184–1188 (imago, soldier), 78–81, 252–254, 339, 384.

Type data: Holotype: ANIC No. 9140 soldier. Paratypes: ANIC No. 10 18408 imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities], BMNH imagoes, soldiers, workers [not type locality], AMNH imagoes, soldiers, workers [not type locality; Miller, 1991 cites a different paratype lot in AMNH, but this is the only one present in the collection].

Type locality: Australia: Northern Territory: 10 km NWN Mt. Bundey.

- Watson and Abbey, 1993b: 102, fig. 172 Ephelotermes melachoma; distribution map. Australia.
- Inoue et al., 1997b: 159–171 *Ephelotermes melachoma*; symbionts; enzymes; mtDNA sequences; phylogeny.
- Sugimoto et al., 1997: 211, 213, 216, 220 *Ephelotermes melachoma*; methane and hydrogen emissions. Australia.
- Tayasu et al., 1998: 536–542 *Ephelotermes melachoma*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 223 Ephelotermes melachoma; catalog; synonymy; distribution; ecology.
   Australia.
- Dawes-Gromadzki, 2003: 397-404 Ephelotermes melachoma; ecology; foraging.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia, Melville Island, Groote Eylandt.

## **Ephelotermes paleatus** Miller, 1991

Ephelotermes paleatus Miller, 1991: 1188-1190 (imago, soldier), figs. 82-85, 255-257, 340, 385.

TYPE DATA: Holotype: ANIC No. 9141 soldier. Paratypes: ANIC No. 10 18367 imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities].

Type Locality: Australia: Queensland: Weipa.

- Watson and Abbey, 1993b: 102, fig. 173 Ephelotermes paleatus; distribution map.
- Watson et al., 1998: 223 *Ephelotermes paleatus*; catalog; synonymy; distribution; ecology. Australia.
- Bourguignon et al., 2008: 8, 26, figs. 9–12, 47–48, 66 Ephelotermes paleatus; queen, soldier described and figured; key; distribution. Australia; Papua New Guinea.
- € DISTRIBUTION: Australian Region—Australia: Queensland. Papuan Region—Papua New Guinea.

## Ephelotermes persimilis (Gay, 1971)

Termes persimilis Gay, 1971a: 13-16 (imago, soldier), figs. 3A-3C, 9I, 10F.

Type data: Holotype: ANIC No. 9121 imago ♀. Paratypes: ANIC No. 10 18367 imagoes, soldiers, workers, AMNH imagoes, soldier, worker.

Type locality: Australia: Western Australia: 5 km NE Babakin.

- Miller, 1991: 1190, figs. 86–89, 258–260, 341, 384 *Ephelotermes persimilis*; imago, soldier figured; new combination. Australia.
- Watson and Abbey, 1993b: 103, fig. 174 Ephelotermes persimilis; distribution map.
- Watson et al., 1998: 223–224 *Ephelotermes persimilis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Ephelotermes taylori (Hill, 1915)

*Capritermes taylori* Hill, 1915: 95–98 (imago, soldier, worker) [misspelled as *Copritermes*; described as "*Taylori*"].

Type data: Lectotype: NMV No. T-10869 soldier. Paralectotypes: ANIC No. 10 89 neotenic queen, king, workers, AMNH queen, king, soldiers, workers, nymphs.

LECTOTYPE DESIGNATION: Hill, 1942: 409 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: Koolpinyah, near Darwin.

- Hill, 1927a: 99, pl. 5: fig. 120 Mirotermes taylori; soldier measurements and figure; locality; new combination. Australia.
- Hill, 1942: 407–409, fig. 315 *Mirotermes (Mirotermes) taylori*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 187 Termes taylori; catalog; new combination. Australia.
- Miller, 1991: 1190–1192, figs. 90–93, 261–263, 342, 385 Ephelotermes taylori; imago, soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 103, fig. 175 Ephelotermes taylori; distribution map.
- Watson et al., 1998: 224 Ephelotermes taylori; catalog; synonymy; distribution; ecology. Australia.
- Dawes-Gromadzki, 2005: 152–157  $\bullet$   $\it Ephelotermes\ taylori;$  ecology; feeding and nesting groups.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory; Melville Island.

### Eremotermes Silvestri, 1911

#### Eremotermes Silvestri, 1911: 108-109.

Type species: Eremotermes indicatus Silvestri, 1911 by original designation.

- Holmgren, 1912a: 77, 95–96 Eremotermes; characters; key; species included; systematic position.
- Holmgren and Holmgren, 1917: 166 Eremotermes; characters; relationships.
- Warren, 1919: 2 Eremotermes; distribution.
- Sjöstedt, 1926d: 209 Eremotermes; reference list.
- Emerson, 1928b: 408 Eremotermes; distribution.
- Snyder, 1934a: 26, 28 Eremotermes; key.
- Snyder, 1949a: 131 Eremotermes; catalog; reference list; synonymy.
- Lal and Menon, 1953: 37 Eremotermes; catalog; reference list; key.
- Emerson, 1955: 510 Eremotermes; number of species; distribution.
- Ahmad, 1955b: 219 Eremotermes; key.
- Weidner, 1955f: 72 Eremotermes; number of species; distribution.
- Ahmad, 1958: 87, 90 Eremotermes; key.
- Roonwal and Sen-Sarma, 1960: 46–53 *Eremotermes*; synonymy; characters; species included; relationship; distribution.
- Webb, 1961: 17 Eremotermes; key.
- Roonwal and Bose, 1964: 8 Eremotermes; key.
- Bouillon and Mathot, 1965: 22, 82, 83, pl. 9: fig. 21d *Eremotermes*; key; characters; imago/worker mandibles figured.
- Harris, 1968c: 6 Eremotermes; key.
- Roonwal and Bose, 1969: 446 Eremotermes; key.
- Bouillon and Mathot, 1971: table Eremotermes; number of species in Ethiopian Region; soldier measurements.
- Chhotani and Bose, 1973: 233 Eremotermes; distribution. Indian region.
- Akhtar, 1974b: 95, 96, 97, 100 Eremotermes; distribution; ecology. Pakistan.
- Roonwal et al., 1974: 63 Eremotermes; wing cuticular structures.

- Sen-Sarma, 1974: 455–456 *Eremotermes*; ecology and biogeography.
- Morimoto, 1975b: 28 Eremotermes; key.
- Roonwal, 1975g: 400 Eremotermes; key.
- Sen-Sarma et al., 1975: 4, 8 Eremotermes; distribution and ecology; key. India.
- Roonwal and Verma, 1977b: 466–467 Eremotermes; ecology; biogeography.
- Roonwal and Rathore, 1977: 308 Eremotermes; wing microsculpturing.
- Chhotani and Bose, 1979b: 17, 21 Eremotermes; nesting behavior and nests. India.
- Chhotani, 1980: 36 Eremotermes; Indian species listed.
- Roonwal and Verma, 1980a: 261, 262 Eremotermes; wing microsculpturing.
- Chhotani and Bose, 1983: 125 *Eremotermes*; distribution. Arabian Peninsula.
- Roonwal, 1983b: 364 Eremotermes; wing microsculpturing.
- Bose, 1984: 100, 102, 120 *Eremotermes*; key; synonymy; remarks.
- Al-Kady et al., 1987: 190, 191 Eremotermes; key; soldier, worker mandibles described.
- Chhotani, 1987: 409, 416-417 Eremotermes; Oriental Region distribution and zoogeography.
- Thakur, 1989b: 353 Eremotermes; ecology.
- Thakur (R.K.), 1989: 9 Eremotermes; key.
- Chhotani and Bose, 1991: 264 Eremotermes; key.
- Akhtar and Ahmad, 1997: 216, 218 Eremotermes; zoogeographical distribution. Pakistan.
- Chhotani, 1997: 120–123 Eremotermes; synonymy; characters; distribution and composition; key to species.
- Sands, 1998: 32, 178–180, figs. 577–590 *Eremotermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- Rathore and Tak, 2004a: 43 Eremotermes; key.
- Rathore and Bhattacharyya, 2004: 8 Eremotermes; key.
- Rathore and Mandal, 2005: 69 Eremotermes; key to species; habitats. India: Rajasthan.

*Pseudomirotermes* Holmgren, 1912a: 81 [nomen nudum; unnecessary nom. nov. for *Eremotermes* Silvestri, 1911].

#### ▲ 10 species.

TISTRIBUTION: Ethiopian Region; Oriental Region; Palaearctic Region.

### Eremotermes arctus Spaeth, 1964

Eremotermes arctus Spaeth, 1964: 29 (imago), fig. 2.

TYPE DATA: Holotype: AMNH imago. Paratypes: AMNH imagoes, NCIP imago. Type locality: Israel: Beror Hayil.

- Harris, 1970b: 309 Eremotermes arctus; distribution. Israel.
- Ruelle, 1975b: 8 *Eremotermes arctus*; types listed.
- Kugler, 1988: 270, 272 Eremotermes arctus; distribution. Israel.
- TISTRIBUTION: Palaearctic Region—Israel.

#### **Eremotermes dehraduni** Roonwal and Sen-Sarma, 1960

*Eremotermes dehraduni* Roonwal and Sen-Sarma, 1960: 53–63 (imago, soldier, worker), pls. 9–10, tables. 12–13.

Type data: Holotype: FRI No. M.C. 19937/1 soldier [imagoes not part of type series, as not associated with soldier caste]. Paratypes: FRI soldiers, workers, AMNH soldier, workers, ZSI soldier, worker, IARI soldier, workers.

Type Locality: India: Uttarakhand: about 12 miles west of Dehra Dun: Malhan Forest Range: Bainkhala Block, in Ocimum plantation.

- Roonwal, 1958: fig. 1 Eremotermes dehraduni; soldier, worker figured. India.
- Mathur and Sen-Sarma, 1960b: 23 Eremotermes dehraduni; biology; damage; distribution. India.
- Ahmad, 1962: 68 Eremotermes dehradunensis [sic]; distribution. Pakistan.
- Mathur and Sen-Sarma, 1962a: 14, 17 Eremotermes dehraduni; key.
- Mathur and Thapa, 1962a: 41 Eremotermes dehraduni; collection catalog. India.
- Roonwal, 1962b: fig. 2 Eremotermes dehraduni; soldier, worker figured. India.
- Roonwal, 1970c: 347 Eremotermes dehraduni; biology; distribution.
- Sen-Sarma, 1974: 456 Eremotermes dehraduni; ecology and biogeography. India.
- Roonwal and Rathore, 1977: 300, 305 Eremotermes dehraduni; wing microsculpturing.
- Roonwal and Verma, 1980a: 255 Eremotermes dehraduni; wing microsculpturing.
- Sen-Sarma and Thakur, 1980a: 15–16, fig. 11 *Eremotermes dehraduni*; soldier measured and figured; synonymy; distribution. India.
- Thakur and Sen-Sarma, 1981: 39 Eremotermes dehraduni; swarming.
- Thakur, 1991: 57, 58, 60 Eremotermes dehraduni; swarming; biology; distribution.
- Verma, 1995a: 48 Eremotermes dehraduni; distribution. India: western Himalaya.
- Chhotani, 1997: 123–126, figs. 56–57 *Eremotermes dehraduni*; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 53 Eremotermes dehraduni; catalog. India.
- Rathore and Bhattacharyya, 2004: 11, 25, 64, pl. 3: fig. 21 *Eremotermes dehraduni*; key; checklist; soldier figured; distribution. India.
- Rathore and Tak, 2004a: 45, 56–57 Eremotermes dehraduni; key; synonymy; soldier, worker described; distribution. India.
- DISTRIBUTION: Oriental Region—India: Gujarat, Uttarakhand.

#### Eremotermes fletcheri Holmgren and Holmgren, 1917

Eremotermes fletcheri Holmgren and Holmgren, 1917: 167-168 (imago, soldier, worker).

Type data: Lectotype: FRI soldier. Paralectotypes: AMNH imagoes, soldier, workers, FRI imagoes, soldier, workers, IARI imagoes, soldiers, workers, ZMH imagoes, soldiers, workers, IEA imagoes, soldiers, workers, ZSI imago, soldier, worker.

LECTOTYPE DESIGNATION: Roonwal and Sen-Sarma, 1960: 68.

Type locality: India: Tamil Nadu: Coimbatore.

- Margabandhu, 1934: 714 Eremotermes fletcheri; annotated reference list; biology.
- Snyder, 1949a: 131 Eremotermes fletcheri; catalog; reference list. India.
- Ahmad, 1950: 83, fig. 13 Eremotermes fletcheri; worker mandibles figured.
- Lal and Menon, 1953: 37 Eremotermes fletcheri; catalog; reference list. India.
- Weidner, 1955e: 249 Eremotermes fletcheri; types listed.
- Ahmad, 1958: 174 Eremotermes fletcheri; key.
- Roonwal and Sen-Sarma, 1960: 49, 50, 63–68, pls. 11, 12 *Eremotermes fletcheri*; synonymy; key; imago, soldier described and figured; distribution. India; Pakistan.
- Mathur and Thapa, 1962a: 41 Eremotermes fletcheri; collection catalog. India.
- Weidner, 1966a: 217 Eremotermes fletcheri; types listed.
- Roonwal, 1970c: 347 Eremotermes fletcheri; synonymy; biology; distribution.
- Sen-Sarma, 1974: 456 *Eremotermes fletcheri*; ecology and biogeography. India; Pakistan: Baluchistan.
- Morimoto, 1975b: 28, fig. 78 Eremotermes fletcheri; soldier figured.
- Roonwal and Rathore, 1977: 300, 305, 307, figs. 9A, B, 10 *Eremotermes fletcheri*; wing microsculpturing.

- Roonwal and Verma, 1980a: 255, fig. 2N, pl. 1E Eremotermes fletcheri; wings described; wing microsculpturing.
- Thakur, 1984a: 497 Eremotermes fletcheri; checklist; distribution.
- Bose, 1984: 121–123, figs. 88, 89 Eremotermes fletcheri; key; synonymy; measurements; imago, soldier figured; distribution; biology. India; Pakistan.
- Thakur, 1985: 26, 27, 29 Eremotermes fletcheri; swarming; biology; locality.
- Roonwal and Chhotani, 1989: fig. 22d Eremotermes fletcheri; wing surfaces figured.
- Thakur, 1989b: 361 Eremotermes fletcheri; distribution. India.
- Thakur (R.K.), 1989: 26, fig. 17 *Eremotermes fletcheri*; key; synonymy; soldier measurements and figure; distribution. India.
- Thakur (R.K.), 1991: 8, 15, 24, 35 Eremotermes fletcheri; ecology; biology; distribution. India; Pakistan
- Thakur, 1994: 459 Eremotermes fletcheri; ecology; distribution.
- Verma and Rathore, 1995: 23, 26, 29 Eremotermes fletcheri; synonymy; key; distribution. India.
- Rathore, 1996: 173 Eremotermes fletcheri; ecology; distribution. India.
- Chhotani, 1997: 126–129, figs. 58–59 *Eremotermes fletcheri*; soldier, worker described and figured; synonymy; key. India: Tamil Nadu.
- Ahmad and Akhtar, 2002: 53 *Eremotermes fletcheri*; catalog. India; Pakistan [*Eremotermes maliki* probably accepted as a synonym, as it is not mentioned].
- Rathore and Tak, 2004a: 45, 57–58 *Eremotermes fletcheri*; key; synonymy; soldier, worker described; distribution. India; Pakistan.
- Rathore and Bhattacharyya, 2004: 11, 25–26, 64, pl. 3: fig. 22 *Eremotermes fletcheri*; key; checklist; soldier figured; distribution. India; Pakistan.

Eremotermes maliki Ahmad, 1955b: 253-254 (soldier, worker), fig. 39.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, AMNH soldiers, workers, NCIP soldier.

Type locality: Pakistan: Loralai District: Duki.

- Ahmad, 1958: 173 Eremotermes maliki; key.
- Roonwal and Sen-Sarma, 1960: 63 Eremotermes maliki; synonymized with fletcheri.
- Ahmad, 1962: 68 Eremotermes maliki; distribution. Pakistan.
- Chaudhry et al., 1972: 52, fig. 62 *Eremotermes maliki*; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 102 Eremotermes maliki; distribution. Pakistan.
- Ruelle, 1975b: 8 Eremoterme maliki; types listed.
- Akhtar, 1979a: 119–121, fig. 1 *Eremotermes maliki*; resurrected from synonymy; soldier described and figured; distribution. Pakistan: Baluchistan.
- Kayani et al., 1979: 134, 136 Eremotermes maliki; ecology; altitudinal distribution. Pakistan.
- Ahmad, 1986: 17 Eremotermes maliki; distribution. Pakistan: Punjab.
- Verma and Rathore, 1995: 23, 26, 29 *Eremotermes maliki*; remarks on synonymy; key; distribution. Pakistan.
- Chhotani, 1997: 126–127 Eremotermes maliki treated as a synonym of fletcheri; Akhtar's 1979a resurrection of maliki not cited, so synonymy probably based on Roonwal and Sen-Sarma, 1960, Roonwal 1970c.
- 🐧 DISTRIBUTION: Oriental Region—India: Gujarat, Rajasthan, Tamil Nadu; Pakistan.

#### Eremotermes indicatus Silvestri, 1911

Eremotermes indicatus Silvestri, 1911: 109 (soldier, worker), fig. 3.

Type data: Syntypes: IEA soldiers, workers, ZIHS soldiers, workers.

Type locality: Tunisia: Kairouan.

- Holmgren, 1912a: 95 Eremotermes indicatus; listed. Tunisia.
- Hegh, 1922: 469, 696 Eremotermes indicatus; biology; reference list; distribution.
- Sjöstedt, 1926d: 209, fig. 42 *Eremotermes indicatus*; soldier figured; reference list; locality. Tunisia.
- Menozzi, 1940: 248–250, 251, figs. 1, 2 *Eremotermes indicatus*; imago (previously unknown) described and figured; locality. Libya.
- Snyder, 1949a: 131 Eremotermes indicatus; catalog; reference list. Libya; Tunsia.
- Roonwal and Sen-Sarma, 1960: 49, 53, 56, 69–74, figs. 14, 15 *Eremotermes indicatus*; synonymy; key; imago, soldier, worker described and figured; distribution. Tunisia.
- Harris, 1961a: 54 Eremotermes indicatus; listed.
- Mathur and Thapa, 1962a: 41–42 Eremotermes indicatus; collection catalog. Tunisia.
- Spaeth, 1964: 29 Eremotermes indicatus; listed.
- Harris, 1966b: 5 Eremotermes indicatus; ecology; locality. Libya.
- Harris, 1970b: 309 Eremotermes indicatus; distribution. Libya; Tunisia.
- Sands, 1972: 35 Eremotermes indicatus; listed.
- Roonwal and Rathore, 1977: 300, 307 Eremotermes indicatus; wing microsculpturing.
- Roonwal and Verma, 1980a: 256–257 Eremotermes indicatus; wing microsculpturing.
- Sands, 1998: 180, 389, figs. 577–579, 586, 587, 590 *Eremotermes indicatus*; worker mandibles, gut figured; distribution. Libya.
- Tunisia.

## Eremotermes madrasicus Roonwal and Sen-Sarma, 1960

Eremotermes madrasicus Roonwal and Sen-Sarma, 1960: 75-79 (soldier, worker), pls. 13-14.

TYPE DATA: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, AMNH soldiers, workers, ZSI soldier, workers, IARI soldier, workers.

Type locality: India: Tamil Nadu (Madras), 10 miles north of Madras City: Villivakkam.

- Mathur and Thapa, 1962a: 42 Eremotermes madrasicus; collection catalog. India.
- Roonwal, 1978c: 17 Eremotermes madrasicus; biology; distribution.
- Bose, 1984: 121, 123, fig. 90 *Eremotermes madrasicus*; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Thakur, 1989b: 361 Eremotermes madrasi [sic]; distribution. India.
- Chhotani, 1997: 130–131, fig. 60 *Eremotermes madrasicus*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 53 Eremotermes madrasicus; catalog. India.
- DISTRIBUTION: Oriental Region—India: Tamil Nadu.

#### Eremotermes nanus Harris, 1960

Eremotermes nanus Harris, 1960: 253–254 (soldier), fig. 1.

TYPE DATA: Holotype: BMNH soldier. Paratypes: BMNH workers.

Type locality: Sudan: Shambat.

- Spaeth, 1964: 29 Eremotermes nanus; remarks.
- Bouillon and Mathot, 1965: 22, 41, 82, pl. 9: figs. 21a-d *Eremotermes nanus*; catalog; soldier figured. Sudan.
- Sands, 1965b: 568 Eremotermes nanus; ecology.
- Harris, 1968c: 2, 12, fig. 7 Eremotermes nanus; soldier figured; biology; locality. Sudan.
- Bouillon and Mathot, 1971: table: no. 96 Eremotermes nanus; measurements.
- Sands, 1972: 35 Eremotermes nanus; listed.

- Johnson and Wood, 1980: 279-293 Eremotermes nanus; checklist; ecology; distribution.
- Johnson et al., 1980: 58 Eremotermes nanus; checklist; biology; distribution. Nigeria; Sudan.
- Medler, 1980: 55 Eremotermes nanus; checklist. Nigeria.
- Cowie, 1989a: 159, 160, table 1 Eremotermes nanus; checklist; biogeography; distribution.
   North Yemen: South Yemen.
- Sands, 1998: 180, 389, 390, figs. 580–583, 588, 589 *Eremotermes nanus*; worker mandibles, gut figured; distribution. Nigeria; Sudan.
- TISTRIBUTION: Ethiopian Region—Nigeria; Sudan; Yemen: North Yemen; South Yemen.

## Eremotermes neoparadoxalis Ahmad, 1955

Eremotermes neoparadoxalis Ahmad, 1955b: 252-253 (soldier, worker), fig. 38.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, AMNH soldiers. Type locality: Pakistan: Sind: Shahdadpur.

- Ahmad, 1958: 175 Eremotermes neoparadoxalis; key.
- Roonwal and Sen-Sarma, 1960: 49, 53, 56, 79–83, pls. 15, 16 *Eremotermes neoparadoxalis*; synonymy; key; soldier, worker described and figured; distribution. India; Pakistan.
- Ahmad, 1962: 68 Eremotermes neoparadoxalis; distribution. Pakistan.
- Mathur and Thapa, 1962a: 42 Eremotermes neoparadoxalis; collection catalog. India.
- Roonwal and Bose, 1964: 4, 5, 23–24, fig. 11 *Eremotermes neoparadoxalis*; key; synonymy; soldier described and figured; distribution. India; Pakistan.
- Roonwal and Bose, 1969: 440, 446 Eremotermes neoparadoxalis; key; synonymy; distribution.
- Chaudhry et al., 1972: 53, fig. 63 *Eremotermes neoparadoxalis*; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 103 Eremotermes neoparadoxalis; distribution. India; Pakistan.
- Sen-Sarma, 1974: 456 Eremotermes neoparadoxalis; ecology; biogeography. Pakistan.
- Roonwal, 1975g: 400, 404–405, fig. 16.9A *Eremotermes neoparadoxalis*; key; soldier described and figured; ecology; distribution.
- Akhtar, 1976: 163–165, fig. 3 *Eremotermes neoparadoxalis*; imago (previously unknown) described and figured; locality. Pakistan.
- Roonwal, 1976: 464, 468–469, 485–486, fig. 9h *Eremotermes neoparadoxalis*; soldier head figured; ecology; biology; distribution. India.
- Roonwal and Verma, 1977b: 437, 461 Eremotermes neoparadoxalis; distribution. India; Pakistan.
- Roonwal and Bose, 1978: 324, 328 Eremotermes neoparadoxalis; ecology; biology; distribution.
- Kayani et al., 1979: 131, 134, 135 Eremotermes neoparadoxalis; ecology; altitudinal distribution.
   Pakistan.
- Thakur, 1980b: 116, 124, 126, fig. 2 Eremotermes neoparadoxalis; soldier figured; ecology; distribution. India; Pakistan.
- Ahmad, 1986: 17 *Eremotermes neoparadoxalis*; distribution. Pakistan: Punjab, North West Frontier Province.
- Rathore, 1987: 177–180, figs. 1, 2 *Eremotermes neoparadoxalis*; imago described and figured; distribution. India; Pakistan.
- Roonwal and Chhotani, 1989: fig. 10g Eremotermes neoparadoxalis; soldier head figured.
- Thakur (R.K.), 1989: 25, 27, fig. 18 *Eremotermes neoparadoxalis*; key; synonymy; soldier measurements and figure; distribution. India; Pakistan.
- Thakur (R.K.), 1991: 8, 15, 24, 35 *Eremotermes neoparadoxalis*; ecology; biology; damage; distribution. India; Pakistan.
- Thakur, 1994: 459 Eremotermes neoparadoxalis; ecology; distribution.
- Akhtar and Sarwar, 1995: 329–336 Eremotermes neoparadoxalis; foraging.
- Verma and Rathore, 1995: 23, 26, 29 *Eremotermes neoparadoxalis*; synonymy; key; distribution. India; Pakistan.

- Verma and Purohit, 1996: 238 Eremotermes neoparadoxalis; listed. India: Rajasthan.
- Rathore, 1996: 173 Eremotermes neoparadoxalis; ecology; distribution. India.
- Chhotani, 1997: 131–134, figs. 61–62 *Eremotermes neoparadoxalis*; imago, soldier, worker described and figured; synonymy; key. India; Pakistan.
- Rathore, 1998: 177–182, fig. 1 Eremotermes neoparadoxalis; biology; swarming.
- Ahmad and Akhtar, 2002: 53 Eremotermes neoparadoxalis; catalog. Pakistan.
- Rathore and Tak, 2004a: 45, 58 Eremotermes neoparadoxalis; key; synonymy; soldier, worker described; distribution. India; Pakistan.
- Rathore and Tak, 2004b: 74 *Eremotermes neoparadoxalis*; synonymy; distribution. India: Delhi, Gujarat, Rajasthan; Pakistan: Baluchistan, North West Frontier Province, Sind.
- Rathore and Bhattacharyya, 2004: 11, 26, 64, pl. 3: fig. 23 *Eremotermes neoparadoxalis*; key; checklist; soldier figured; distribution. India; Pakistan.
- 🕙 DISTRIBUTION: Oriental Region—India: Delhi, Gujarat, Rajasthan; Pakistan.

## Eremotermes paradoxalis Holmgren, 1912

*Eremotermes paradoxalis* Holmgren, 1912a: 95 (soldier), pl. 4: fig. 28 [no description on p. 95; locality only; soldier illustration in pl. 4: fig. 28 makes name available from Holmgren, 1912].

Type data: Syntypes: ZIHS soldiers, workers, nymphs, AMNH soldiers, workers, nymphs, FRI workers, nymph, ZSI worker.

Type locality: India: Karnataka: Bangalore.

- Holmgren, 1913b: 115–116 *Eremotermes paradoxalis* [erroneously described as n. sp.]; soldier, nymph described; distribution. India.
- Holmgren, 1913c: 232–233 *Eremotermes paradoxalis* [erroneously described as n. sp.]; soldier, worker described; soldier figured; key; distribution. India.
- Bugnion, 1913d: 170 Eremotermes paradoxalis; antennal articles. India.
- Holmgren and Holmgren, 1917: 166–167 *Eremotermes paradoxalis*; imago (previously undescribed) described. India.
- Margabandhu, 1934: 714 Eremotermes paradoxalis; annotated reference list; biology.
- Snyder, 1949a: 132 Eremotermes paradoxalis; catalog; reference list. India.
- Lal and Menon, 1953: 37–38 *Eremotermes paradoxalis*; catalog; systematic and biological reference list. India.
- Ahmad, 1955b: 202, 249–252, figs. 36, 37 *Eremotermes paradoxalis*; imago, soldier described and figured; key; reference list; distribution. Pakistan.
- Chaudhry, 1955: 43 Eremotermes paradoxalis; distribution. India; Pakistan.
- Vishnoi, 1957: 793 Eremotermes paradoxalis; swarming; distribution. India: Delhi.
- Ahmad, 1958: 174, 175 *Eremotermes paradoxalis*; key [Holmgren, K and N. incorrectly cited as authors].
- Roonwal, 1958: fig. 2 Eremotermes paradoxalis; imago figured. India.
- Roonwal and Sen-Sarma, 1960: 49, 50, 53, 56, 59, 83–92, figs. 16, 17, pls. 17, 18 *Eremotermes paradoxalis*; synonymy; key; imago, soldier, worker described and figured; distribution. India; Pakistan.
- Harris, 1961a: 97, 106 Eremotermes paradoxalis; damage; distribution.
- Ahmad, 1962: 68 Eremotermes paradoxalis; distribution. Pakistan.
- Mathur and Thapa, 1962a: 42 Eremotermes paradoxalis; collection catalog. India.
- Vishnoi, 1962: 107-108 Eremotermes paradoxalis; distribution. India.
- Roonwal and Bose, 1964: 4, 5, 23, 24–25, fig. 12 *Eremotermes paradoxalis*; key; synonymy; soldier described and figured; distribution. India; Pakistan.
- Roonwal and Bose, 1969: 441, 446, pl. 22: fig. 4 *Eremotermes paradoxalis*; key; soldier figured; synonymy; distribution.
- Roonwal, 1970b: fig. 2 Eremotermes paradoxalis; imago figured.

- Roonwal, 1970c: 347 Eremotermes paradoxalis; biology; distribution.
- Chaudhry et al., 1972: 53–54, fig. 64 *Eremotermes paradoxalis*; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 103 Eremotermes paradoxalis; distribution. India; Pakistan.
- Roonwal and Rathore, 1974: 238–243, figs. 1, 2 Eremotermes paradoxalis; swarming; post-swarming behavior; nest figured.
- Sen-Sarma, 1974: 423, 456 Eremotermes paradoxalis; ecology and biogeography. India; Pakistan.
- Roonwal, 1975g: 397, 400, 405–406, fig. 16.9B Eremotermes paradoxalis; key; imago, soldier described; soldier figured; ecology; distribution.
- Roonwal, 1976: 464, 467–469, 475–477, 479, 486–487, fig. 9i Eremotermes paradoxalis; soldier head figured; ecology; biology; distribution. India.
- Rathore, 1977: 111–119 Eremotermes paradoxalis; biology; development.
- Roonwal and Verma, 1977b: 437–438, 461, fig. 6 *Eremotermes paradoxalis*; imago described and figured; biology; distribution. India; Pakistan.
- Roonwal and Rathore, 1977: 300, 307–308, figs. 9C, D, 11 *Eremotermes paradoxalis*; wing microsculpturing.
- Akhtar, 1978: 288, 289 Eremotermes paradoxalis; colony development; swarming. Pakistan.
- Roonwal and Bose, 1978: 324, 328 Eremotermes paradoxalis; ecology; biology; distribution.
- Chhotani, 1980: 7, 36–37, fig. 11 *Eremotermes paradoxalis*; imago, soldier described and figured; distribution; host and pest status; biology and ecology; key. India; Pakistan.
- Roonwal and Verma, 1980a: 257, figs. 2O–R, pl. 1F *Eremotermes paradoxalis*; wings described; wing microsculpturing.
- Thakur, 1980b: 124, 126, fig. 2 *Eremotermes paradoxalis*; soldier figured; ecology; distribution. India; Pakistan.
- Roonwal and Rathore, 1982: 326–327, 341, fig. 6 *Eremotermes paradoxalis*; wing microsculpturing.
- Sen-Sarma, 1982: 142–146 Eremotermes paradoxalis; damage. Oriental Region.
- Roonwal, 1983b: pl. 3: fig. 3 Eremotermes paradoxalis; wing surfaces figured.
- Bose, 1984: 121, 123–125, figs. 91, 92 *Eremotermes paradoxalis*; key; synonymy; measurements; imago, soldier figured; distribution; biology. India; Pakistan.
- Roonwal, 1985d: figs. 4D, 7 Eremotermes paradoxalis; wing microsculpturing.
- Roonwal, 1985a: 312, 315, 316, 317 Eremotermes paradoxalis; wing microsculpturing.
- Roonwal, 1985b: 153, fig. 13, pl. 3: figs. 1–3, pl. 4: fig. 2 *Eremotermes paradoxalis*; wing microsculpturing; wing surfaces figured.
- Thakur, 1985: 26, 28, 29 Eremotermes paradoxalis; swarming; biology; locality.
- Ahmad, 1986: 17 Eremotermes paradoxalis; distribution. Pakistan: North West Frontier Province, Punjab.
- Verma, 1986: 46–52 Eremotermes paradoxalis; associations.
- Akhtar and Parveen, 1989: 2, 23, 25, 26, fig. 12 *Eremotermes paradoxalis*; key; worker described and figured. Pakistan.
- Akhtar and Amanullah, 1989: 229–237 Eremotermes paradoxalis; swarming; ecology. Pakistan.
- Roonwal and Chhotani, 1989: figs. 10h, 36 *Eremotermes paradoxalis*; imago, soldier head figured.
- Thakur, 1989b: 361 Eremotermes paradoxalis; distribution. India; Pakistan.
- Thakur (R.K.), 1989: 26, 27–28, fig. 19 *Eremotermes paradoxalis*; key; synonymy; soldier measurements and figure; distribution. India; Pakistan.
- Akhtar and Shahid, 1990: 67, 70, 71, 74 Eremotermes paradoxalis; swarming; ecology. Pakistan.
- Thakur (R.K.), 1991: 8, 15, 24, 35 *Eremotermes paradoxalis*; ecology; biology; distribution. India; Pakistan.
- Rathore, 1994a: 135–137, fig. 1 Eremotermes paradoxalis; biology; swarming; predators; wings figured.
- Thakur, 1994: 459 Eremotermes paradoxalis; ecology; distribution.
- Akhtar and Sarwar, 1995: 329–336 Eremotermes paradoxalis; foraging.

- Verma and Rathore, 1995: 23, 26, 29 *Eremotermes paradoxalis*; synonymy; key; distribution. India: Pakistan.
- Verma and Purohit, 1996: 238 Eremotermes paradoxalis; listed. India: Rajasthan.
- Rathore, 1996: 173 Eremotermes paradoxalis; ecology; distribution. India.
- Chhotani, 1997: 135–138, figs. 63–64 *Eremotermes paradoxalis*; imago, soldier, worker described and figured; synonymy; key. India; Pakistan.
- Maiti and Saha, 1997: 209 Eremotermes paradoxalis; synonymy; biology; distribution. India; Pakistan.
- Ahmad and Akhtar, 2002: 53 Eremotermes paradoxalis; catalog. India; Pakistan.
- Rathore and Bhattacharyya, 2004: 11, 26, 28, 64, pl. 3: fig. 24 *Eremotermes paradoxalis*; key; checklist; soldier figured; distribution. India; Pakistan.
- Rathore and Tak, 2004b: 73–74 *Eremotermes paradoxalis*; synonymy; distribution. India; Pakistan.
- Rathore and Tak, 2004a: 45, 58–59 *Eremotermes paradoxalis*; key; synonymy; soldier, worker described; distribution. India; Pakistan.
- © DISTRIBUTION: Oriental Region—India: Andhra Pradesh, Bihar, Delhi, Gujarat, Karnataka, Madhya Pradesh, Punjab, Rajasthan, Tamil Nadu; Pakistan.

### Eremotermes sanyuktae Thakur, 1989

Eremotermes sanyuktae Thakur (R.K.), 1989: 28-30 (soldier, worker), figs. 20, 21.

TYPE DATA: Holotype: ZSI soldier. Paratypes: ZSI soldier, workers, DRSJ soldier, workers. Type locality: India: Gujarat: Surat district: Magdall port area.

- Thakur (R.K.), 1991: 8, 15, 24, 36 Eremotermes sanyuktae; ecology; biology; damage; distribution. India.
- Rathore and Tak, 2004a: 45, 59 *Eremotermes sanyuktae*; key; synonymy; soldier, worker described; distribution. India.
- Rathore and Bhattacharyya, 2004: 11, 28, 65, pl. 3: fig. 25 *Eremotermes sanyuktae*; key; checklist; soldier figured; distribution. India.
- DISTRIBUTION: Oriental Region—India: Gujarat.

### Eremotermes senegalensis Mampouya, Fleck, and Nel, 1997

Eremotermes senegalensis Mampouya et al., 1997: 39-44 (imago, soldier, worker), figs. 1-11.

Type data: Holotype: MNHP soldier. Paratypes: MNHP imago, soldiers, worker. Type locality: Senegal: Richard-Toll County: Richard-Toll, 376 km North of Dakar [16°27′N, 15°43′W].

TISTRIBUTION: Ethiopian Region—Senegal.

#### Genuotermes Emerson, 1950

Genuotermes Emerson, 1950: 5-6.

Type species: Genuotermes spinifer Emerson, 1950 by monotypy.

- Emerson, 1955: 512 Genuotermes; number of species; distribution.
- Weidner, 1955f: 73 Genuotermes; number of species; distribution.
- Araujo, 1970d: 535 Genuotermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 37 Genuotermes; key.

- Araujo, 1977c: 60 Genuotermes; catalog.
- Mathews, 1977: 121, 123 Genuotermes; synonymy; characters.
- Bandeira, 1979b: 490 Genuotermes; ecology. Brazil: Amazonia State.
- Mill, 1982a: 255 Genuotermes; habitat; nest location; food; locality. Brazil.
- Mill, 1982b: 56 Genuotermes; habitat; nest location; food.
- Mill, 1983a: 181, 182 Genuotermes; key; number of species in New World; habitat; distribution.
- Constantino, 1998b: 201 Genuotermes; key; biology; distribution.
- Fontes and Monteiro, 1998: 25 Genuotermes; etymology and pronunciation.
- Constantino, 1999a: 406, 417 Genuotermes; key; biology; distribution.
- Constantino, 2002a: 22 Genuotermes; key.

### ▲ 1 species.

§ DISTRIBUTION: Neotropical Region.

### Genuotermes spinifer Emerson, 1950

Genuotermes spinifer Emerson, 1950: 5-6 (soldier), fig. 2.

Type data: Holotype: AMNH soldier.

Type locality: Brazil: Mato Grosso: Urucum de Corumba [19°00'S, 57°43'W].

- Morimoto, 1975b: 35, fig. 123 Genuotermes spinifer; soldier figured.
- Araujo, 1977c: 60, 61 Genuotermes spinifer; catalog. Brazil.
- Mathews, 1977: 123–124, figs. 51, 63, pl. 25 Genuotermes spinifer (also as Genotermes [sic] spinifer); imago (previously unknown), soldier described and figured. Brazil.
- Prestwich, 1984a: table 1 Genuotermes spinifer; checklist; ecology; defense mode; chemicals; distribution.
- Constantino, 1998b: 201 Genuotermes spinifer; catalog. Brazil.
- Constantino, 1999a: figs. 146, 147 Genuotermes spinifer; soldier figured.
- Constantino, 2002a: figs. 180-181 Genuotermes spinifer; soldier figured.
- Apolinário and Martius, 2004: 23–28 *Genuotermes spinifer*; ecology; tree trunks; Amazonian rainforest.
- § DISTRIBUTION: Neotropical Region—Brazil: Mato Grosso.

# Globitermes Holmgren, 1912

Globitermes Holmgren, 1912a: 92 [first introduced as a subgenus of Hamitermes Silvestri, 1903].

Type species: Termes globosus Haviland, 1898 by subsequent designation, see Snyder, 1949a: 129.

- Haviland, 1898: 378, 405 Termes "section with T. sulphureus for type"; characters; key.
- Bathellier, 1927: 164 Hamitermes (Globitermes); characters.
- Emerson, 1928b: 408 Amitermes (Globitermes); distribution.
- Kemner, 1934b: 111 Globitermes; reference list.
- Snyder, 1934a: 26, 28 Amitermes (Globitermes); key.
- Snyder, 1949a: 129 Globitermes; catalog; reference list.
- Lal and Menon, 1953: 37, 40 Hamitermes (Globitermes); catalog; reference list; key.
- Emerson, 1955: 510 Globitermes; number of species; distribution.
- Weidner, 1955f: 72 Globitermes; number of species; distribution.
- Ahmad, 1958: 85, 91 Globitermes; key.
- Tsai and Chen, 1964b: 72 Globitermes; key; characters.
- Ahmad, 1965: 7, 8 Globitermes; key.
- Chhotani and Bose, 1973: 233 Globitermes; distribution. Indian region.

- Sen-Sarma, 1974: 455–456 Globitermes; ecology and biogeography.
- Morimoto, 1975b: 29 Globitermes; key.
- Morimoto, 1976b: 27 Globitermes; remarks.
- Chhotani and Bose, 1979b: 17, 21 Globitermes; nesting behavior and nests. India.
- Collins, 1984: 78 Globitermes; key.
- Chhotani, 1986: 24 Globitermes; Oriental Region distribution and zoogeography.
- Chhotani, 1987: 408, 417 Globitermes; Oriental Region distribution and zoogeography.
- Huang et al., 1989: 390, 397 Globitermes; key; characters; distribution.
- Chhotani, 1997: 114-116 Globitermes; synonymy; characters; distribution and composition.
- Huang et al., 2000: 546, 548, 682–683 Globitermes; key; characters; distribution.
- Sornnuwat et al., 2004: 357, 359 Globitermes; key; number of species. Thailand.
- ▲ 7 species.
- **©** DISTRIBUTION: Oriental Region.

### Globitermes brachycerastes Han, 1987

Globitermes brachycerastes Han, 1987: 162–163, 164 (soldier), figs. 8–12.

Type data: Holotype: SIES 09001552 soldier.

Type Locality: China: Yunnan Province: Jinghong.

- Gao et al., 1992a: 45 Globitermes brachycerastes; checklist; distribution. China: Yunnan.
- Hua, 2000: 26 Globitermes brachycerastes; listed. China: Hainan.
- Huang et al., 2000: 684–685, fig. 406 Globitermes brachycerastes; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 58 Globitermes brachycerastis [sic]; catalog. China.
- Long et al., 2009: 411-430 Globitermes brachycerastes; ISSR, COII; genetic diversity. China.
- DISTRIBUTION: Oriental Region—China: Yunnan.

### *Globitermes globosus* (Haviland, 1898)

#### Globitermes globosus depilis (Holmgren, 1913)

*Hamitermes* (*Globitermes*) *globosus depilis* Holmgren, 1913c: 230 (imago, soldier, worker) [described as new form].

Type data: Syntypes: ZIHS imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, FRI imago, soldier, worker.

Type locality: Malaysia: Borneo: Sarawak: Mt. Lambir.

- Snyder, 1949a: 130 Globitermes globosus depilis; catalog; new combination. Borneo.
- Mathur and Thapa, 1962a: 43 Globitermes globosus f. depilis; collection catalog. Malaysia.
- Roonwal, 1970c: 346 Globitermes globosus form depilis; distribution.
- © DISTRIBUTION: Oriental Region—Malaysia: Sarawak.

### Globitermes globosus globosus (Haviland, 1898)

Termes globosus Haviland, 1898: 409 (imago, soldier, worker).

Type data: Syntypes: CUMZ imagoes, soldiers, workers, AMNH imago, soldier, workers.

Type locality: Malaysia: Borneo: Sarawak: Mt. Lambir.

- Desneux, 1904b: 42 Termes (Eutermes) globosus; reference list. Malaysia: Borneo.
- Holmgren, 1912a: 93, 166, fig. 64, pl. 4: fig. 26 *Hamitermes* (*Globitermes*) *globosus*; listed; soldier mandibles figured; new combination [misspelled *globiceps* in figure legend]. Malaysia: Borneo.
- Holmgren, 1913c: 229, pl. 8: fig. 17 Hamitermes (Globitermes) globosus; imago, soldier, worker described; soldier figured; key; distribution; new combination. Malaysia: Borneo.
- Bugnion, 1913d: 170 Hamitermes globosus; antennal articles. Malaysia: Sarawak.
- Snyder, 1949a: 130 *Globitermes globosus*; catalog; reference list; new combination. Borneo; Myanmar.
- Ahmad, 1958: 173 Globitermes globosus; key.
- Mathur and Thapa, 1962a: 43 Globitermes globosus; collection catalog. Malaysia.
- Harris, 1966a: 13 Globitermes globosus; Haviland's types and type localities listed.
- Roonwal, 1970c: 346 Globitermes globosus; distribution.
- Morimoto, 1976b: 27 *Globitermes globosus*; key; distribution.
- Thapa, 1982: 160–163, pl. 54 *Globitermes globosus*; imago, soldier described and figured; synonymy; key. Malaysia.
- Collins, 1984: 67, 70 Globitermes globosus; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 89, 199, 206, fig. 34B Globitermes globosus; soldier described and figured. Malaysia.
- Eggleton et al., 1998a: 119–128 *Globitermes globosus*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 *Globitermes globosus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Globitermes globosus*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Gathorne-Hardy et al., 2001: 391 Globitermes globosus; checklist; ecology; distribution.
   Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 58 Globitermes globosus; catalog. Malaysia: Sarawak.
- Homathevi et al., 2002: 234, table 1 *Globitermes globosus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Globitermes globosus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 119 *Globitermes globosus*; checklist; distribution. Malaysia: Mainland, Borneo; Indonesia: Sumatra.
- Gathorne-Hardy et al., 2006: 607, table 1 *Globitermes globosus*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

## Globitermes menglaensis Huang and Zhu, 1990

*Globitermes menglaensis* Zhu and Huang, 1990: 94–96, 97 (soldier), figs. 9–16 [misspelled as *menlaensis* in English summary].

Type data: Holotype: KIZK 82IV180330 soldier. Paratypes: KIZK soldiers, workers. Type locality: China:Yunnan Province: suburban district of Mengla County [21°28′N, 101°34′E].

- Hua, 2000: 26 *Globitermes menglaensis*; listed. China: Yunnan.
- Huang et al., 2000: 685–686, fig. 407 *Globitermes menglaensis*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 58 Globitermes menlaensis [sic]; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

## Globitermes mengpengensis Zhu and Huang, 1990

Globitermes mengpengensis Zhu and Huang, 1990: 93-94, 97 (soldier), figs 1-8.

Type data: Holotype: KIZK 82 IV 170253 soldier. Paratypes: KIZK soldiers, workers.

Type locality: China: Yunnan Province: Mengla County: Mengpeng Hill [21°28′N, 101°34′E].

- Hua, 2000: 26 Globitermes mengpengensis; listed. China: Yunnan.
- Huang et al., 2000: 686–687, fig. 408 *Globitermes mengpengensis*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 58 Globitermes mengpengensis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

### Globitermes minor Han, 1987

Globitermes minor Han, 1987: 159–162, 164 (imago, soldier), figs. 1–7.

Type data: Holotype: SIES 09001232? soldier [no indication of which caste is the type].

Type Locality: China: Yunnan Province: Daimenglong.

- Gao et al., 1992a: 45 Globitermes minor; checklist; distribution. China: Yunnan.
- Hua, 2000: 26 Globitermes minor; listed. China: Yunnan.
- Huang et al., 2000: 687–688, fig. 409 Globitermes minor; imago, soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 58 Globitermes minor; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

### Globitermes sulphureus (Haviland, 1898)

Termes sulphureus Haviland, 1898: 405-406 (imago, soldier, worker), pl. 24: figs. 42-44.

Type data: Syntypes: UMZC No. 117 imagoes, soldier, workers, AMNH soldiers, workers, nymphs, FRI soldiers, workers.

Type Locality: Malaysia (Malacca): Selangor: Perak.

- Desneux, 1904b: 45 Termes (Eutermes) sulphureus; reference list. Malaysia: Mainland.
- Pratt, 1908: 4, 5 Termes sulphureus; key; biology. Malaysia: Mainland.
- Holmgren, 1912a: 87, 93, figs. 56, 63 *Hamitermes* (*Globitermes*) *sulphureus*; listed; imago, soldier mandibles figured. Malay Peninsula.
- Holmgren, 1913c: 231–232 *Hamitermes (Globitermes) sulphureus*; imago, soldier, worker described; key; distribution; new combination. Malaysia: Mainland.
- Bugnion, 1913d: 170 Hamitermes sulphureus; antennal articles. Malaysia: Mainland.
- Holmgren, 1914: 273 Hamitermes (Globitermes) sulphureus; locality. Malaysia: Mainland.
- John, 1925: 408, pl. 22: fig. 25 *Hamitermes* (*Globitermes*) *sulphureus*; nest figured and described; locality; biology. Malaysia: Mainland.
- Bathellier, 1927: 164, 166, 218–220, 269 *Hamitermes (Globitermes) sulphureus*; imago, soldier, worker described; description of *annamensis* identical, suggesting synonymy of *annamensis* with *sulphureus*. Cambodia; Vietnam.
- Snyder, 1949a: 130 Globitermes sulphureus; catalog; reference list; synonymy; new combination.
   Malaya; Vietnam (Annam).
- Ahmad, 1950: 83, fig. 12 Globitermes sulphureus; worker mandibles figured.
- Noirot, 1956: 150 Globitermes sulphureus; supplementary reproductives.
- Harris, 1957d: 25, 27, 30, figs. 1e, 2c *Globitermes sulphureus*; soldier head, worker mandibles figured; biology. Malaysia.

- Ahmad, 1958: 173, 174 Globitermes sulphureus; key.
- Noirot, 1959b: 259–268, pl. 1 Globitermes sulphureus; nest described and figured.
- Harris, 1961a: 54, 95, 157, 160 Globitermes sulphureus; damage; distribution.
- Mathur and Thapa, 1962a: 43 Globitermes sulphureus; collection catalog. Laos; Malaysia:
- Krishna, 1965a: 1, 2, 6 Globitermes sulphureus; reference list; measurements; locality. Myanmar.
- Ahmad, 1965: 70–72, 109, figs. 70, 71 *Globitermes sulphureus*; imago, soldier described and figured; key; synonymy; distribution. Thailand.
- Harris, 1966a: 13 Globitermes sulphureus; Haviland's types and type localities listed; biology.
- Harris, 1968d: 143, 145 *Globitermes sulphureus*; distribution; locality. Cambodia; China; Malaysia; Myanmar; Thailand; Vietnam.
- Roonwal, 1970c: 346 Globitermes sulphureus; synonymy; biology; distribution.
- Morimoto, 1973a: 62, 77 Globitermes sulphureus; distribution. Thailand.
- Sen-Sarma, 1974: 456, fig. 76 *Globitermes sulphureus*; ecology and biogeography. Cambodia; Myanmar; Thailand.
- Morimoto, 1975b: 29, fig. 85 Globitermes sulphureus; soldier figured.
- Morimoto, 1976b: 27 Globitermes sulphureus; key; distribution.
- Matsumoto, 1977: 104-105 Globitermes sulphureus; nest; carbon dioxide. Malaysia: Mainland.
- Mathot, 1978: 52 Globitermes sulphureus; collection catalog; types of annamensis and audax listed.
- Prestwich, 1979b: 467 Globitermes sulphureus; secretions; chemical defense.
- Blum, 1981a: 8 *Globitermes sulphureus*; defense; secretions.
- Sen-Sarma, 1982: 142–146 Globitermes sulphureus; damage. Oriental Region.
- Howse, 1984a: 161 Globitermes sulphureus; defense.
- Prestwich, 1984a: table 1 Globitermes sulphureus; checklist; ecology; defense mode; chemicals; distribution.
- Watanabe et al., 1984: 48, 50, 51, 53, figs. 1E, 3 Globitermes sulphureus; nest figured; ecology; distribution. Thailand.
- Gao and Lam, 1986: 82 Globitermes sulphureus; checklist; distribution. China.
- Chhotani, 1987: 408 *Globitermes sulphurus* [sic]; distribution and zoogeography. Oriental Region.
- Huang et al., 1989: 397–399, fig. 285 *Globitermes sulphureus*; imago, soldier described and figured; key. China.
- Gao et al., 1992a: 45 Globitermes sulphureus; checklist; distribution. China: Yunnan.
- Tho, 1992: 89, 199, 206, fig. 34A *Globitermes sulphureus*; soldier described and figured. Malaysia.
- Bordereau et al., 1997: 289-296 Globitermes sulphureus; defensive behavior; autothysis.
- Chhotani, 1997: 116–120, figs. 54–55 *Globitermes sulphureus*; imago, soldier, worker described and figured; synonymy; key. China; Indonesia; Kampuchea (Cambodia); Malay Peninsula; Myanmar; Thailand; Vietnam.
- Sugimoto et al., 1997: 220 Globitermes sulphureus; diet; methane and hydrogen emissions.
   Thailand.
- Hua, 2000: 26 Globitermes sulphureus; listed. China: Yunnan; Myanmar; Thailand.
- Huang et al., 2000: 688–689, fig. 410 *Globitermes sulphureus*; imago, soldier described and figured; key. China.
- Inoue et al., 2001b: 41-52 Globitermes sulphureus; biomass; feeding; distribution. Thailand.
- Ahmad and Akhtar, 2002: 58 Globitermes sulphureus; catalog. Cambodia; China.
- Ngee and Lee, 2002: 525–532 Globitermes sulphureus; foraging; territory.
- Takematsu et al., 2003: 593, fig. 4 *Globitermes sulphureus*; nest abundance and distribution. Thailand.
- Yamada et al., 2003: 569–585 *Globitermes sulphureus*; nest density, population; caste proportion. Thailand.
- Gathorne-Hardy, 2004: 119 Globitermes sulphureus; checklist; distribution. Malaysia: Mainland.

- Ohkuma et al., 2004: 701-710 Globitermes sulphureus; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 *Globitermes sulphureus*; checklist; distribution. Thailand.
- Yamada et al., 2006: 75–83 Globitermes sulphureus; nitrogen fixation. Thailand.
- Yamada et al., 2007: 3768–3777 Globitermes sulphureus; nifH; nitrogen fixation; symbiosis. Thailand.

Termes annamensis Desneux, 1904a: 148 (soldier, worker).

Type data: Syntypes: NHMM soldiers, workers, AMNH soldier, worker, RIB soldiers, workers.

Type locality: Vietnam (Annam).

- Desneux, 1904b: 40 Termes (Eutermes) annamensis; reference list. Vietnam (Annam).
- Holmgren, 1913c: 232, pl. 8: fig. 16 *Hamitermes (Globitermes) annamensis*; soldier, worker described; key; distribution; new combination. Malaysia: Mainland.
- Bugnion, 1913d: 170 Hamitermes sulphureus var. annamensis; antennal articles. Malaysia.
- Bathellier, 1927: 164, fig. 5 *Hamitermes* (*Globitermes*) *annamensis*; biology and nest figured; suggested synonymy with *sulphureus*.
- Snyder, 1931a: 550 Amitermes (Globitermes) annamensis; locality; new combination. Vietnam.
- Snyder, 1949a: 130 Termes annamensis; synonymized with sulphureus.
- Noirot, 1955b: 481–482 Globitermes annamensis; caste development; polymorphism.
- Van Boven, 1969a: 42 Globitermes annamensis; types listed.

*Globitermes audax* Silvestri, 1914b: 432–434 (soldier, worker), figs. 6–8.

Type data: Syntypes: IEA workers, soldiers, AMNH workers, soldiers, NCIP soldier [incorrectly cited as paratype by Ruelle, 1975b].

Type locality: Myanmar: Moulmein.

- Snyder, 1949a: 129 *Globitermes audax*; catalog; reference list; synonymy [listed as valid]. Myanmar.
- Lal and Menon, 1953: 40 Hamitermes (Globitermes) audax; catalog; reference list.
   Myanmar.
- Ahmad, 1958: 173 Globitermes audax; key.
- Mathur and Sen-Sarma, 1958a: 1–3, pl. 1 *Globitermes audax*; synonymy; imago (previously unknown) described. Thailand.
- Mathur and Thapa, 1962a: 43 *Globitermes audax*; collection catalog. China; Myanmar; Thailand.
- Krishna, 1965a: 6 Globitermes audax; synonymized with sulphureus.
- Tsai and Chen, 1964b: 73–75, figs. 25, 26 *Globitermes audax*; imago, soldier described and figured. China.
- Tsai and Chen, 1964a: 25, 26, 27, 30, 32, 35 *Globitermes audax*; distribution.
- Ruelle, 1975b: 9 *Globitermes audax*; types listed.
- Tho, 1992: 206 Globitermes audax; listed.

Amitermes (Globitermes) birmanicus Snyder, 1934a: 17-18 (soldier, worker), fig, 9.

Type data: Syntypes: BMNH soldiers, workers, FRI soldiers, workers, USNM soldiers, workers, AMNH soldier.

Type Locality: Myanmar: West Salween: Zibyaung.

- Snyder, 1949a: 129–130 *Amitermes (Globitermes) birmanicus*; synonymized with *auda*x [in turn synonymized with *sulphureus*].
- Lal and Menon, 1953: 41 *Hamitermes* (*Globitermes*) *birmanicus*; catalog; reference list. Myanmar.

- Roonwal and Pant, 1953: 50 *Globitermes birmanicus*; collection catalog; types listed; new combination. Myanmar [= audax].
- Harris, 1961a: 111 Globitermes birmanicus; damage; distribution.
- © DISTRIBUTION: Oriental Region—China: Yunnan; Indonesia; Cambodia; Malaysia: Mainland; Myanmar (Burma); Thailand; Vietnam.

#### Globitermes vadaensis Kemner, 1934

Globitermes vadaensis Kemner, 1934b: 111-114 (soldier, worker), figs. 23-24.

Type data: Syntypes: ZMLU soldiers, workers, AMNH soldier, workers, FRI workers.

Type locality: Indonesia: Java; Vada, near Tjandjoer.

- Snyder, 1949a: 130 Globitermes vadaensis; catalog. Java.
- Ahmad, 1958: 173 Globitermes vadaensis; key.
- Mathur and Thapa, 1962a: 43 Globitermes vadaensis; collection catalog. Indonesia.
- Roonwal, 1970c: 346–347 Globitermes vadaensis; biology; distribution.
- Morimoto, 1976b: 27, fig. 51 Globitermes vadensis [sic]; key; soldier figured; distribution.
- Prestwich, 1984a: table 1 Globitermes vadaensis; checklist; ecology; defense mode; chemicals; distribution.
- Tho, 1992: 206 Globitermes vadaensis; listed.
- Gathorne-Hardy, 2004: 119 Globitermes vadaensis; checklist; distribution. Indonesia: Java.
- ♠ DISTRIBUTION: Oriental Region—Indonesia: Java.

# Gnathamitermes Light, 1932

#### Gnathamitermes Light, 1932e: 390-394.

Type species: *Amitermes perplexus* Banks, 1920 by original designation.

- Light, 1934e: 204, 205 Amitermes (Gnathamitermes); key.
- Snyder, 1949a: 127 Gnathamitermes; catalog.
- Emerson, 1955: 510 Gnathamitermes; number of species; distribution.
- Weidner, 1955f: 72 Gnathamitermes; number of species; distribution.
- Weesner, 1965: 33 Gnathamitermes; key; characters; distribution.
- Araujo, 1970d: 533 Gnathamitermes; distribution; number of species in Neotropical Region.
- Weesner, 1970: 515 Gnathamitermes; biology.
- Morimoto, 1975b: 30 Gnathamitermes; key.
- Araujo, 1977c: 61 Gnathamitermes; catalog.
- Mill, 1983a: 182, 185 Gnathamitermes; key; number of species in New World; habitat; distribution.
- Nickle and Collins, 1990: 94, 114 Gnathamitermes; key; characters.
- Carpenter, 1992: 142 Gnathamitermes; fossil distribution.
- Poole and Gentili, 1997: 495 Gnathamitermes; listed.
- Constantino, 1998b: 201 Gnathamitermes; catalog.
- Fontes and Monteiro, 1998: 25 Gnathamitermes; etymology and pronunciation.
- Thorne et al., 2000: 80 Gnathamitermes; number of fossil species; age; distribution.
- Constantino, 2002a: 24 Gnathamitermes; key.
- ▲ 4 living species, 1 fossil species.
- S DISTRIBUTION: Nearctic Region; Neotropical Region.

## **Gnathamitermes grandis** (Light, 1930)

Amitermes grandis Light, 1930b: 220-221 (soldier, worker), pls. 16-18.

Type data: Syntypes: AMNH soldiers, workers [one soldier incorrectly labeled as "holotype"; Light did not designate a holotype], USNM soldiers, workers [not in USNM as cited by Constantino, 1998b].

Type locality: Mexico: Guadalajara.

- Light, 1932e: 359, 393 Amitermes (Gnathamitermes) grandis; key; distribution. Mexico.
- Light, 1933: 140, 141 Amitermes grandis; key.
- Light, 1934j: 339 Amitermes grandis; distribution. Mexico: Tepic, Guadalajara.
- Snyder, 1949a: 128 Gnathamitermes grandis; catalog; new combination. Mexico.
- Mathur and Thapa, 1962a: 44 Gnathamitermes grandis; collection catalog. Mexico.
- Weesner, 1970: 515 Gnathamitermes grandis; biology.
- Araujo, 1977c: 61 Gnathamitermes grandis; catalog. Mexico.
- Constantino, 1998b: 201 Gnathamitermes grandis; catalog. Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 *Gnathamitermes grandis*; checklist; diversity; distribution. Mexico: Jalisco, Nayarit.
- TISTRIBUTION: Neotropical Region—Mexico.

## **Gnathamitermes nigriceps** (Light, 1930)

Amitermes nigriceps Light, 1930b: 219 (soldier, worker), pls. 16, 18.

Type data: Syntypes: AMNH soldier, workers [one soldier incorrectly labeled as "holotype"; Light did not designate a holotype], USNM soldiers, workers [not in USNM as cited by Constantino, 1998b].

Type locality: Mexico: Jala, 20 km west of Colima.

- Light, 1932e: 359, 393 Amitermes (Gnathamitermes) nigriceps; key; distribution. Mexico.
- Light, 1933: 140, 141 Amitermes nigriceps; key.
- Light, 1934j: 338 Amitermes nigriceps; distribution. Mexico: Colima.
- Snyder, 1949a: 128 Gnathamitermes nigriceps; catalog; new combination. Mexico.
- Mathur and Thapa, 1962a: 44 Gnathamitermes nigriceps; collection catalog. Mexico.
- Araujo, 1977c: 61 Gnathamitermes nigriceps; catalog. Mexico.
- Constantino, 1998b: 201 Gnathamitermes nigriceps; catalog. Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Gnathamitermes nigriceps; checklist; diversity; distribution. Mexico: Colima, Guerrero, Puebla.
- TISTRIBUTION: Neotropical Region—Mexico.

### **Gnathamitermes perplexus** (Banks, 1920)

Amitermes perplexus Banks, 1920: 63-65 (imago [part only]), fig. 49.

Type data: Holotype: USNM No. 21868 winged imago. Paratypes: AMNH imagoes [Constantino, 1998b listed them as syntypes].

Type locality: USA: Texas: Victoria.

- Banks, 1920: 56–59, fig. 42.2 *Amitermes arizonensis*; soldier [part = *perplexus*] described and figured; distribution. USA: Arizona, California.
- Light, 1930a: 181–184, figs. G-J, pl. 10, pl. 11: fig. 5, pl. 12: figs. 5, 10, pl. 13: figs. 6, 7 *Amitermes arizonensis* [soldier = *perplexus*]; soldier, worker described; soldier, earthen tubes figured; key; distribution. USA: Arizona.

- Light, 1931b: 5, 7 Amitermes arizonensis [misidentification]; locality. USA: Nevada.
- Light, 1932e: 357, 359, 391, 393, 394, 397, figs. BB-FF, OO-PP Amitermes (Gnathamitermes) perplexus; imago, soldier described and figured; biology; key; distribution. USA: Arizona, California, Texas.
- Light, 1934l: 160 Amitermes (Gnathamitermes) perplexus; aberrant soldier described; locality.
   USA: Arizona.
- Light, 1934d: 132 Amitermes (Gnathamitermes) perplexus; distribution. USA: Arizona, California, Texas.
- Light, 1934e: 203, 204, 205 Amitermes (Gnathamitermes) perplexus; key; distribution. USA: Arizona, California, Texas.
- Light and Weesner, 1948: 58, 60–63 *Gnathamitermes perplexus*; synonymy; swarming; new combination. Arizona.
- Snyder, 1949a: 128 Gnathamitermes perplexus; catalog; reference list; synonymy. USA: Arizona, California, Nevada, Texas; Mexico.
- Ahmad, 1950: 83, fig. 13 Gnathamitermes perplexus; worker mandibles figured.
- Noirot, 1955b: 481 Gnathamitermes perplexus; caste development; polymorphism.
- Pierce, 1958: 22 *Gnathamitermes perplexus*; discussion; removal of *magnoculus* from synonymy with *perplexus*.
- Mathur and Thapa, 1962a: 44 Gnathamitermes perplexus; collection catalog. USA.
- Weesner, 1965: 58, 60, 61, figs. 18, 19 *Gnathamitermes perplexus*; key; characters; imago head, forewing, soldier mandibles figured; biology; distribution.
- Weesner, 1970: 515–518 *Gnathamitermes perplexus*; biology.
- Araujo, 1977c: 61 *Gnathamitermes perplexus*; catalog, synonymy. USA: Arizona, California, Nevada, Texas; Mexico.
- Nutting, 1979b: 143 Gnathamitermes perplexus; swarming period.
- Prestwich, 1979b: 467 Gnathamitermes perplexus; frontal gland and secretions absent.
- Zimmerman et al., 1982: 563–565 *Gnathamitermes perplexus*; methane emissions.
- Prestwich, 1984a: table 1 Gnathamitermes perplexus; checklist; ecology; defense mode; chemicals; distribution.
- Nickle and Collins, 1990: 92, 98, 115, fig. 14E Gnathamitermes perplexus; key; soldier figured; characters; distribution. Mexico.
- Nutting, 1990a: 1027, 1029, figs. 33.16a-c Gnathamitermes perplexus; key; imago, soldier figured.
- Brauman et al., 1992: 1384–1387 *Gnathamitermes perplexus*; gut bacteria; methane and hydrogen emissions.
- Krishna, 1996: 2 *Gnathamitermes perplexus*; synonymy; remarks.
- Poole and Gentili, 1997: 495, 496 *Gnathamitermes perplexus*; synonymy; distribution. North America.
- Sugimoto et al., 1997: 220 Gnathamitermes perplexus; diet; methane emissions.
- Constantino, 1998b: 201–202 *Gnathamitermes perplexus*; catalog; synonymy. USA: California to Texas; Mexico.
- Fontes, 1998: 366 Gnathamitermes perplexus; catalog.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 *Gnathamitermes perplexus*; checklist; diversity; distribution. Mexico: Jalisco, Sinaloa.
- Noirot, 2001: 437, fig. 6J Gnathamitermes perplexus; gut characters, figured.
- Johnston and Wheeler, 2007: 383–387 *Gnathamitermes perplexus*; hexamerin; biparental care; claustral founding.

Amitermes confusus Banks, 1920: 65-66 (imago).

Type data: Holotype: USNM 21869 winged imago. Paratypes: AMNH imagoes, MCZ No. 10534 imago [three series from non-type localities], AMNH imago [not type locality], AMNH imago [not type locality].

Type locality: USA: Arizona: Oracle.

- Snyder, 1926f: 397 Amitermes confusus; locality. USA: Arizona.
- Light, 1932e: 357, 359, 405–406, figs. II, JJ Amitermes (Gnathamitermes) confusus; imago described and figured; key; distribution. USA: Arizona, Texas.
- Light, 1934d: 132 Amitermes (Gnathamitermes) confusus; distribution. USA: Arizona, Texas.
- Light, 1934e: 203, 204 Amitermes (Gnathamitermes) confusus; key; distribution. USA: Arizona, Texas.
- Light and Weesner, 1948: 61 Amitermes confusus; synonymized with perplexus.

Amitermes (Gnathamitermes) acrognathus Light, 1932e: 398-399 (imago, soldier), figs. GG, HH, QQ.

Type data: Syntypes: USNM imagoes, soldiers [incorrectly cited as "holotype" (no caste mentioned) by Constantino, 1998b; Light did not designate a holotype; no specimens of *acrognathus* in USNM], AMNH imagoes, soldiers, workers.

Type locality: USA: Texas: Phantom Lake, Davis Mountains.

- Light, 1934d: 132 Amitermes (Gnathamitermes) acrognathus; distribution. USA: Texas.
- Light, 1934e: 203, 204, 205 Amitermes (Gnathamitermes) acrognathus; key; distribution. USA: Texas
- Light and Weesner, 1948: 60 Amitermes (Gnathamitermes) acrognathus; synonymized with perplexus.

Amitermes (Gnathamitermes) acutus Light, 1932e: 398 (soldier), fig. SS.

Type data: Syntypes: USNM soldier [incorrectly cited as "holotype" by Constantino, 1998b; Light did not designate a holotype; no specimens of *acutus* in USNM], AMNH soldiers, workers (USA: California: 4 mi E of Edom, milepost 602), AMNH soldiers, workers (USA: Arizona: Yuma), CAS soldiers (USA: California: Calexico), CAS soldiers (USA: California: Dry Camp), CAS soldiers (USA: Arizona: Nogales), CAS soldiers (USA: Nevada: Frenchy Mine, near Las Vegas.

Type Localities: USA: California: 4 mi E of Edom, milepost 602, Calexico, Dry Camp, Arizona: Nogales, Yuma, Nevada: Frenchy Mine, near Las Vegas.

- Light, 1934d: 132 Amitermes (Gnathamitermes) acutus; distribution. USA: Arizona, California, Nevada.
- Light, 1934e: 203, 204, 205, fig. 66c Amitermes (Gnathamitermes) acutus; key; soldier head figured; distribution. USA: Arizona, California, Nevada.
- Light and Weesner, 1948: 60 Amitermes (Gnathamitermes) acutus; synonymized with perplexus.
- Morimoto, 1975b: 30, fig. 87 Gnathamitermes acutus; soldier figured.

Amitermes (Gnathamitermes) fuscus Light, 1932e: 400-401 (imago), figs. KK, LL.

Type data: Lectotype: USNM imago. Paralectotypes: AMNH imagoes.

LECTOTYPE DESIGNATION: Constantino, 1998b: 200 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: USA: California: Beaumont.

- Light, 1934d: 132 Amitermes (Gnathamitermes) fuscus; distribution. USA: California.
- Light, 1934e: 203, 204, 205 Amitermes (Gnathamitermes) fuscus; key; distribution. USA: California.
- Light and Weesner, 1948: 61 Amitermes (Gnathamitermes) fuscus; synonymized with perplexus.

Amitermes (Gnathamitermes) infumatus Light, 1932e: 402-405 (soldier), fig. RR.

Type data: Syntypes: USNM soldier [incorrectly cited as "holotype" by Constantino, 1998b; Light did not designate a holotype; no specimens of *infumatus* in USNM], AMNH soldier (Mexico: Presidio, near Mazatlan, Sinaloa), AMNH soldiers (USA: California: Choclate Mountains), AMNH (California: Indio), AMNH (California: mountain slope, Imperial Valley).

Type localities: Mexico: Sinaloa, Presidio, near Mazatlan; USA: California: Indio, western mountain slope of Imperial Valley, Choclate Mountains, Cochlea Valley: Palm Springs.

- Light, 1930b: 217, 218, pl. 17: fig. 2, pl. 18: fig. 5 *Amitermes arizonensis* [misidentification = *infumatus*; see Light, 1933]; soldier described and figured; key; distribution. Mexico.
- Light, 1933: 140, 141, fig. GG *Amitermes infumatus*; reference list; soldier described and figured; key; locality. Mexico.
- Light, 1934j: 338 Amitermes infumatus; distribution. Mexico.
- Light, 1934d: 132 Amitermes (Gnathamitermes) infumatus; distribution. USA: California; Mexico.
- Light, 1934e: 203, 204 Amitermes (Gnathamitermes) infumatus; key; distribution. USA: California; Mexico.
- Light and Weesner, 1948: 61 Amitermes (Gnathamitermes) infumatus; synonymized with perplexus.

Amitermes (Gnathamitermes) magnoculus Light, 1932e: 406-408 (imago), figs. MM, NN.

TYPE DATA: Lectotype: USNM imago. Paralectotypes: AMNH imagoes.

LECTOTYPE DESIGNATION: Constantino, 1998b: 200 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: USA: California: Calexico.

- Light, 1934d: 132 Amitermes (Gnathamitermes) magnoculus; distribution. USA: California.
- Light, 1934e: 203, 204 *Amitermes (Gnathamitermes) magnoculus*; key; distribution. USA: California.
- Light and Weesner, 1948: 61 Amitermes (Gnathamitermes) magnoculus; synonymized with perplexus.
- Pierce, 1958: 22 *Gnathamitermes magnoculus*; discussion; removal of *magnoculus* from synonymy with *perplexus*.
- ⑤ DISTRIBUTION: Nearctic Region—USA: Arizona, California, Nevada, Texas. ◆ Neotropical Region—Mexico.

#### †Gnathamitermes rousei Pierce, 1958

†Gnathamitermes magnocolus rousei Pierce, 1958: 21–22 (imago), figs. 5, 9.

Type data: Holotype: LACM No. S 9096 imago.

Type locality: USA: California: San Bernardino County: Calico Mountains: Site 16 (LACMIP 363), NW ¼ Sect. 19, borax mine dump, ca. 2900 ft.

- Sphon, 1973: 22 Gnathamitermes magnoculus rousei; collection catalog; types listed.
- Araujo, 1977c: 71, 72 *Gnathamitermes magnoculus rousei*; catalog. USA: California: Calico Mountains (Miocene).
- Burnham, 1978: 90 Gnathamitermes magnoculus rousei; listed.
- Nel and Paicheler, 1993: 167 *Gnathamitermes magnoculus* ssp. *Rousei*; = Termitidae genus incertae sedis; type data; paleontology; distribution.
- Krishna, 1996: 2 Gnathamitermes rousei; measurements; raised to species rank.

- Fontes and Vulcano, 1998: 284 Gnathamitermes magnoculus rousei; fossil catalog. New World.
- Fontes and Vulcano, 2004: 355 Gnathamitermes rousei; fossil catalog. New World.
- § DISTRIBUTION: Nearctic Region—USA: California.
- \* Fossil record: Cenozoic-Neogene: Miocene.

### **Gnathamitermes tubiformans** (Buckley, 1862)

Termes tubiformans Buckley, 1862: 213-215 (soldier, worker).

Type data: Syntypes (whereabouts unknown): soldiers, workers [types lost fide Snyder, 1949a]. Type localities: USA: Texas: Lapasas, San Saba.

- Schwarz, 1896: 39 Termes tubiformans; biology; distribution. Texas.
- Wasmann, 1902d: 123 Amitermes tubiformans; listed; new combination.
- Wasmann, 1902a: 106 Amitermes tubiformans; locality. USA: Texas.
- Desneux, 1904b: 46 Termes (Eutermes) tubiformans; reference list. USA: Texas.
- Desneux, 1906a: 338–340 Termes tubiformans; imago (previously unknown), soldier, worker described. USA: Texas.
- Holmgren, 1912a: 91 Hamitermes (Hamitermes) tubiformans; listed; new combination. USA.
- Thompson, 1919: 379–398 Amitermes tubiformans; caste development.
- Banks, 1920: 55–56, 63, 179–182, 186–187, figs. 40, 42, 179, pl. 1: fig. 4, pl. 8: fig. 2, pl. 35: fig. 8 *Amitermes tubiformans* [soldier only]; described and figured; key; distribution; biology [by Snyder]. Mexico; USA: Arizona, Texas; *Amitermes* (?) *perplexus*; imago [part] described as new species; distribution; biology [by Snyder]. Texas.
- Snyder, 1926f: 397 Amitermes tubiformans; locality. USA: Arizona.
- Bathellier, 1927: 254 Armitermes [sic] tubiformans; caste development.
- Light, 1930a: 195, figs. A, B Amitermes tubiformans; synonymy; soldier described and figured; key. USA: California.
- Light, 1930b: 216, 217 Amitermes tubiformans; key; distribution. Northern Mexico; USA: New Mexico, Texas.
- Light, 1932e: 359, 391, 393, 408–409 *Amitermes (Gnathamitermes) tubiformans*; remarks; soldier described and figured; key; distribution. USA: Arizona, Texas.
- Light, 1933: 140, 141 Amitermes tubiformans; key.
- Light, 1934e: 203, 204, 205 Amitermes (Gnathamitermes) tubiformans; key; distribution. USA: Arizona, Texas.
- Light, 1934d: 132 Amitermes (Gnathamitermes) tubiformans; distribution. USA: Texas.
- Light, 1934j: 339 Amitermes tubiformans; distribution. Mexico.
- Snyder, 1949a: 128 *Gnathamitermes tubiformans*; catalog; reference list; new combination. Mexico; USA: New Mexico, Texas.
- Noirot, 1956: 150 Gnathamitermes tubiformans; supplementary reproductives.
- Mathur and Thapa, 1962a: 44 Gnathamitermes tubiformans; collection catalog. USA.
- Weesner, 1965: 58, 61, fig. 19 *Gnathamitermes tubiformans*; key; characters; soldier mandibles figured; biology; distribution.
- Weesner, 1970: 518 Gnathamitermes tubiformans; biology.
- Roonwal, 1975a: 46 Gnathamitermes tubiformans; egg size ratio.
- Araujo, 1977c: 61 *Gnathamitermes tubiformans*; catalog. Mexico; USA: Arizona, New Mexico, Texas.
- Allen et al., 1990: 461-466 Gnathamitermes tubiformans; ecology; food habits.
- MacKay et al., 1985: 470–474 Gnathamitermes tubiformans; gallery construction; food; ecology.
- MacKay and Whitford, 1988: 281-289 Gnathamitermes tubiformans; ecology.
- MacKay et al., 1988: 29-46 Gnathamitermes tubiformans; gallery decomposition; nitrogen; ecology.

- Nickle and Collins, 1990: 98, 115, fig. 14D Gnathamitermes tubiformans; key; soldier figured; characters; distribution. Mexico.
- Nutting, 1990a: 1027, 1029, figs. 33.16d Gnathamitermes tubiformans; key; soldier figured.
- Poole and Gentili, 1997: 495, 496 Gnathamitermes tubiformans; distribution. North America.
- Constantino, 1998b: 202 Gnathamitermes tubiformans; catalog. Mexico; USA: Arizona, New Mexico, Texas.
- Fontes, 1998: 366 Gnathamitermes tubiformans; catalog; distribution. Mexico; USA.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 *Gnathamitermes tubiformans*; checklist; diversity; distribution. Mexico: Coahuila, Jalisco, Nuevo León, Tamaulipas.
- Constantino, 2002a: fig. 157 Gnathamitermes tubiformans; soldier figured.
- Brown (K.S.) et al., 2004: 1-9 Gnathamitermes tubiformans; distribution. USA: Oklahoma.
- Narayanan and Gold, 2005: 53-68 *Gnathamitermes tubiformans*; foraging.
- § DISTRIBUTION: Nearctic Region—USA: Arizona, New Mexico, Oklahoma, Texas. ◆ Neotropical Region—Mexico.

## Hapsidotermes Miller, 1991

Hapsidotermes Miller, 1991: 1242-1244.

Type species: Mirotermes maideni Mjöberg, 1920 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes*; as genus and subgenus [part]; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 4 Hapsidotermes; remarks; Australian species.
- ▲ 5 species.
- © DISTRIBUTION: Australian Region.

## Hapsidotermes harrisi (Mjöberg, 1920)

Mirotermes harrisi Mjöberg, 1920: 92-94 (imago, soldier, worker), pl. 2: fig. 45.

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM imagoes, soldiers, workers, AMNH soldiers, workers.

LECTOTYPE DESIGNATION: Miller, 1991: 1244.

Type Locality: Australia: Queensland: Ravenshoe [as Cedar Creek].

- Hill, 1927a: 100 Mirotermes harrisi; locality. Australia.
- Hill, 1942: 384–386, figs. 294–296 *Mirotermes (Mirotermes) harrisi*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 180 Termes harrisi; catalog; reference list; new combination. Australia.
- Miller, 1991: 1244–1246, figs. 162–165, 306–308, 365, 393 *Hapsidotermes harrisi*; imago, soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 104, fig. 176 Hapsidotermes harrisi; distribution map.
- Watson et al., 1998: 224 *Hapsidotermes harrisi*; catalog; synonymy; distribution; ecology. Australia.

*Mirotermes alicensis* Mjöberg, 1920: 100–101 (soldier), figs. 51, 52 [incorrectly mentioned as *Hamitermes alicensis* in title and captions to figs. 51, 52].

Type data: Lectotype: AMNH soldier [This species was described from a single soldier, but several workers are included in the vial from the same collection. Although the workers were not mentioned by Mjöberg, they must be considered part of the type series (ICZN,

1999, art. 74.4.1.1). Miller, 1991 refers to the soldier as "the unique soldier" and not as the holotype]. Paralectotypes: AMNH workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 224 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Cape York Peninsula, near Coleman River.

- Hill, 1927a: 102 Mirotermes alicensis; locality. Australia.
- Hill, 1942: 384 Mirotermes alicensis; synonymized with harrisi.
- © DISTRIBUTION: Australian Region—Australia: Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Victoria, Western Australia.

## Hapsidotermes labellus Miller, 1991

Hapsidotermes labellus Miller, 1991: 1248 (soldier), figs. 166-169, 366, 393.

Type data: Holotype: ANIC No. 9155 soldier. Paratypes: ANIC No. 10 18175 soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality], AMNH soldiers, workers [not type locality], BMNH soldiers, workers [not type locality].

Type locality: Australia: Western Australia: Mitchell Plateau.

- Watson and Abbey, 1993b: 104 Hapsidotermes labellus; distribution map.
- Watson et al., 1998: 224 Hapsidotermes labellus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia.

### Hapsidotermes longius Miller, 1991

Hapsidotermes longius Miller, 1991: 1248-1250 (imago, soldier), figs. 170-173, 309-311, 367, 391.

Type data: Holotype: ANIC No. 9156 soldier. Paratypes: ANIC No. 10 18006 imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities], AMNH imagoes, soldiers, workers [incorrectly cited as being from a non-type locality by Miller, 1991; may apply to the BMNH specimens], BMNH imagoes, soldiers, workers.

Type Locality: Australia: Northern Territory: Kakadu National Park, 30 km SSW of Jabiru.

- Watson and Abbey, 1993b: 105, fig. 178 Hapsidotermes longius; distribution map.
- Watson et al., 1998: 225 Hapsidotermes longius; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

# Hapsidotermes maideni (Mjöberg, 1920)

Mirotermes maideni Mjöberg, 1920: 94–95 (soldier, worker), pl. 2: fig. 1].

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM soldiers, workers, AMNH soldier, workers.

LECTOTYPE DESIGNATION: Miller, 1991: 1252.

Type locality: Australia: Queensland: Cooktown.

- Hill, 1927a: 100 Mirotermes maideni; locality. Australia.
  - Hill, 1942: 393–394, fig. 303 Mirotermes (Mirotermes) maideni; soldier described and figured; synonymy; distribution; biology. Australia.

- Snyder, 1949a: 183 Termes maideni; catalog; reference list; new combination. Australia.
- Miller, 1991: 1252–1254, figs. 174–177, 368, 393 *Hapsidotermes maideni*; soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 105, fig. 179 Hapsidotermes maideni; distribution map.
- Watson et al., 1998: 225 *Hapsidotermes maideni*; catalog; synonymy; distribution; ecology. Australia.
- ♠ DISTRIBUTION: Australian Region—Australia: Queensland.

### *Hapsidotermes orbus* (Hill, 1927)

Mirotermes orbus Hill, 1927a: 110-112 (imago, soldier, worker), figs. 144-146, 214.

Type data: Lectotype: NMV No. T-10870 imago ♀ [incorrectly cited as holotype by Miller, 1991]. Paralectotypes: NMV soldiers, workers, AMNH imago, soldier, workers.

LECTOTYPE DESIGNATION: Hill, 1942: 402 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: Stapleton.

- Hill, 1942: 400–402, fig. 309 *Mirotermes (Mirotermes) orbus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 185 *Termes orbus*; catalog; reference list; new combination. Australia.
- Miller, 1991: 1254–1256, figs. 178–181, 312–314, 369, 392 *Hapsidotermes orbus*; imago, soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 106, fig. 180 Hapsidotermes orbus; distribution map. Australia.
- Inoue et al., 1997b: 159–171 Hapsidotermes orbus; mtDNA sequences; phylogeny.
- Tayasu et al., 1998: 536–542 *Hapsidotermes orbus*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 225 *Hapsidotermes orbus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

# Hesperotermes Gay, 1971

#### Hesperotermes Gay, 1971a: 20-21.

Type species: Mirotermes infrequens Hill, 1927 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes* [part]; as genus and subgenus; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 5 Hesperotermes; remarks; Australian species.
- ▲ 1 species.
- ♠ DISTRIBUTION: Australian Region.

### *Hesperotermes infrequens* (Hill, 1927)

Mirotermes infrequens Hill, 1927a: 103-105 (imago, soldier, worker), figs. 128-131, 208-209.

Type data: Lectotype: NMV No. T-10871 imago ♀. Paralectotypes: NMV imago ♂, soldiers, workers, AMNH queens, soldiers, workers, NMV imagoes, soldiers, workers [two series from non-type localities], AMNH soldier, workers [two series from non-type localities], USNM workers [not type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 388 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Western Australia: Wungong [as Wongong].

- Hill, 1942: 387–388, fig. 297 *Mirotermes (Mirotermes) infrequens*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 181 Termes infrequens; catalog; reference list; new combination. Australia.
- Gay, 1971a: 18, 21–24, 35, figs. 6, 9C, 10B Hesperotermes infrequens; synonymy; key; imago, soldier described and figured; biology; distribution; new combination. Australia.
- Perry et al., 1985: 68, 76, fig. 5A Hesperotermes infrequens; key; characters; soldier figured; biology.
- Miller, 1991: 1167–1168, figs. 46–49, 240–242, 343, 382 Hesperotermes infrequens; imago, soldier figured. Australia.
- Watson and Abbey, 1993b: 107, fig. 181 Hesperotermes infrequens; distribution map.
- Watson et al., 1998: 225 *Hesperotermes infrequens*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

## Homallotermes John, 1925

#### Homallotermes John, 1925: 412-413.

Type species: Termes foraminifer Haviland, 1898 by monotypy.

- Haviland, 1898: 378, 419 Termes "section with T. foraminifer for type"; characters; key.
- Emerson, 1928b: 408 Homallotermes; distribution.
- Snyder, 1949a: 191 Homallotermes; catalog; reference list.
- Emerson, 1955: 512 *Homallotermes*; number of species; distribution.
- Weidner, 1955f: 73 Homallotermes; number of species; distribution.
- Ahmad, 1958: 88, 91 Homallotermes; key.
- Krishna, 1968: 284–286 Homallotermes; synonymy; key; characters; phylogeny; species included; distribution.
- Chhotani and Bose, 1973: 235 Homallotermes; distribution. Indian region.
- Sen-Sarma, 1974: 458, 459 Homallotermes; ecology and biogeography.
- Morimoto, 1975b: 32 Homallotermes; key.
- Chhotani and Bose, 1979b: 21 Homallotermes; nesting behavior and nests. India.
- Ahmad and Akhtar, 1981: 2, 3, fig. 11 Homallotermes; key; enteric valve cushions figured.
- Bose, 1984: 101, 103, 142 Homallotermes; key; synonymy; remarks.
- Collins, 1984: 78 Homallotermes; key.
- Chhotani, 1986: 24, 27 Homallotermes; Oriental Region distribution and zoogeography.
- Abe, 1987: 127 *Homallotermes*; ecology; nest distribution.
- Chhotani, 1987: 409, 416 Homallotermes; Oriental Region distribution and zoogeography.
- Thakur, 1989b: 353 Homallotermes; ecology.
- Chhotani, 1997: 273-275 Homallotermes; synonymy; characters; distribution and composition.
- Sornnuwat et al., 2004: 357, 359 Homallotermes; key, number of species. Thailand.

*Microcapritermes* Mathur and Thapa, 1962c: 370–371.

Type species: Microcapritermes pilosus Mathur and Thapa, 1962 by monotypy.

- Krishna, 1968: 284 Microcapritermes; synonymized with Homallotermes.
- Sen-Sarma, 1974: 459 Microcapritermes; ecology and biogeography.

#### ▲ 4 species.

© DISTRIBUTION: Oriental Region.

## Homallotermes eleanorae Emerson, 1972

*Homallotermes eleanorae* Krishna, 1972: 3–8 (imago, soldier, worker), figs. 1–2 [species credited explicitly to Emerson, who wrote the description].

Type data: Holotype: AMNH soldier. Paratypes: AMNH imagoes, soldiers, workers, BMNH soldier, worker, USNM soldier, worker, ZSI soldier, worker, AMNH soldiers, workers, AMNH imagoes, soldiers, workers [not type locality; these specimens earlier designated as paralectotypes of *Homallotermes foraminifer*], CUMZ imagoes, soldiers, workers [not type locality; these specimens earlier designated as paralectotypes of *Homallotermes foraminifer*], AMNH imago, soldiers, workers [not type locality], AMNH imagoes, soldiers, workers [not type locality].

Type locality: Malaysia: Borneo: Sarawak, 228 m [01°38′N, 113°35′E].

- Haviland, 1898: 420 *Termes foraminifer*; imago, soldier described [imago from Sarawak only; soldier from Perak, Malaya = *foraminifer*].
- Desneux, 1904b: 42 Termes (Eutermes) foraminifer [part]; locality.
- Holmgren, 1913c: 254 Capritermes foraminifer; imago described [Sarawak = eleanorae].
- Holmgren, 1914: 284 Capritermes (Capritermes) foraminifer [Taiping, Malacca = eleanorae]; locality.
- John, 1925: 413 Homallotermes foraminifer; locality.
- Snyder, 1949a: 191 *Homallotermes foraminifer*; catalog; distribution. Malaysia: Sarawak = *eleanorae*].
- Ahmad, 1958: 183 Homallotermes foraminifer [misidentification]; imago = eleanorae.
- Harris, 1966a: 14 *Homallotermes foraminifer* [Sarawak = *eleanorae*]; locality.
- Collins, 1984: 68, 71, fig. 29 *Homallotermes eleanorae*; soldier figured; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 111–112, 199, 207, fig. 45B *Homallotermes eleanorae*; soldier described and figured. Malaysia.
- Jones et al., 1998: 101, table 1 *Homallotermes eleanorae*; checklist; feeding; ecology. Malaysia: Sabah [Krishna incorrectly cited as author].
- Eggleton et al., 1999b: 1795, table 1 *Homallotermes eleanorae*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Homallotermes eleanorae*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Jones, 2000: 271–286 *Homallotermes eleanorae*; checklist; biology; ecology. Malaysia: Sabah [Krishna incorrectly cited as author].
- Gathorne-Hardy et al., 2001: 392 *Homallotermes eleanorae*; checklist; ecology; distribution. Indonesia: Sumatra [Krishna incorrectly cited as author].
- Ahmad and Akhtar, 2002: 60 Homallotermes eleanorae; catalog. Malaysia: Sarawak.
- Jones and Prasetyo, 2002: 121, table 1 *Homallotermes eleanorae*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 121 *Homallotermes eleanorae*; checklist; distribution. Brunei; Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak [Krishna incorrectly cited as author].
- © DISTRIBUTION: Oriental Region—Brunei; Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

### Homallotermes exiguus Krishna, 1972

Homallotermes exiguus Krishna, 1972: 8-12 (imago, soldier, worker), figs. 3-4.

Type data: Holotype: AMNH soldier. Paratypes: AMNH imagoes, soldiers, workers, BMNH soldier, worker, USNM soldier, worker, ZSI soldier, worker.

Type locality: Malaysia: Sarawak [01°38′N, 113°35′E].

- Krishna, 1968: 285, fig. 15C Homallotermes n. sp.; listed; worker mandibles figured.
- Thapa, 1982: 184–187, pl. 62 *Homallotermes exiguus*; imago, soldier described and figured; synonymy; key. Malaysia.
- Tho, 1992: 207 Homallotermes exiguus; listed.
- Eggleton et al., 1998a: 119–128 *Homallotermes exiguus*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 Homallotermes exiguus; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy et al., 2001: 392 *Homallotermes exiguus*; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 60 Homallotermes exiguous [sic]; catalog. Malaysia: Sarawak.
- Homathevi et al., 2002: 234, table 1 *Homallotermes exiguus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy, 2004: 121 *Homallotermes exiguus*; checklist; distribution. Malaysia: Borneo [Sarawak]; Indonesia: Sumatra.
- Gathorne-Hardy et al., 2006: 607, table 1 Homallotermes exiguus; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © Distribution: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Sabah, Sarawak.

### *Homallotermes foraminifer* (Haviland, 1898)

*Termes foraminifer* Haviland, 1898: 420 (imago, soldier, worker), pl. 25: figs. 65–68 [king, queen from Sarawak = *eleanorae*].

Type data: Lectotype: CUMZ No. 114 soldier. Paralectotypes: CUMZ No. 114 soldiers, AMNH soldiers, workers, nymph, CUMZ imagoes, soldiers, workers [not type locality; these specimens now paratypes of *Homallotermes eleanorae*], AMNH imagoes, soldiers, workers [not type locality; these specimens now paratypes of *Homallotermes eleanorae*], FRI worker [not type locality; these specimens now paratypes of *Homallotermes eleanorae*].

LECTOTYPE DESIGNATION: Krishna, 1972: 18.

Type locality: Malaysia: Perak; see Krishna, 1972: 18.

- Desneux, 1904b: 42 Termes (Eutermes) foraminifer; reference list. Malaysia: Borneo, Mainland.
- Holmgren, 1912a: 116 *Capritermes (Capritermes) foraminifer*; listed; new combination. "Hinterindien."
- Holmgren, 1913c: 254, pl. 6: fig. 33 *Capritermes foraminifer*; imago, soldier worker described and figured [imago = *eleanorae*].
- Bugnion, 1913d: 170 Capritermes foraminifer; antennal articles. Malaysia: Mainland, Borneo.
- Holmgren, 1914: 284 *Capritermes (Capritermes) foraminifer*; locality. Malaysia: Malacca [Penang only; Taiping, Maxwell's Hill record = *eleanorae*].
- John, 1925: 413 *Homallotermes foraminifer*; locality; new combination. Malaysia: Mainland, Sarawak; Indonesia: Sumatra.
- Wheeler, 1936: 224, 235 Homallotermes foraminifer; ant ecological relationships.
- Snyder, 1949a: 191 *Homalloitermes foraminifer* [part]; catalog; reference list. Malaysia: Mainland, Sarawak; Indonesia: Sumatra.

- Ahmad, 1958: 183 Homallotermes foraminifer; key.
- Mathur and Thapa, 1962a: 112 Homallotermes foraminifer; collection catalog. Malaysia.
- Harris, 1966a: 14 *Homallotermes foraminifer*; Haviland's types and type localities listed [Perak only].
- Krishna, 1968: 284, 285, figs. 14, 15A, 16 *Homallotermes foraminifer*; listed; synonymy; worker mandibles, soldier figured.
- Roonwal, 1970c: 353 Homallotermes foraminifer; biology; distribution.
- Krishna, 1972: 2, 3, 5, 9, 11, 12–18, 21, figs. 5, 6, 9, pl. 1 *Homallotermes foraminifer*; imago, soldier described and figured; synonymy; key. Malaysia: Mainland.
- Sen-Sarma, 1974: 459 *Homallotermes foraminifer*; ecology and biogeography. Indonesia; Malaysia.
- Morimoto, 1975b: 32, fig. 100 Homallotermes foraminifer; soldier figured.
- Matsumoto, 1976: 153–178 *Homallotermes foraminifer*; nest; density; population numbers; biomass. Malaysia: Mainland.
- Morimoto, 1976b: 34 Homallotermes foraminifer; listed; distribution.
- Matsumoto, 1978a: 335–351 *Homallotermes foraminifer*; nest; population density; biomass. Malaysia: Mainland.
- Abe, 1979: 128, 130, 131, 132 Homallotermes foraminifer; biology; ecology. Malaysia: Mainland.
- Abe and Matsumoto, 1979: 337–351 *Homallotermes foraminifer*; biology; ecology; nest population. Malaysia: Mainland.
- Thapa, 1982: 187–192, pls. 63–64 *Homallotermes foraminifer*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Roonwal and Verma, 1983: 32, figs. 3C–E *Homallotermes foraminifer*; synonymy; wings described; wing microsculpturing.
- Prestwich, 1984a: table 1 Homallotermes foraminifer; checklist; ecology; defense mode; chemicals; distribution.
- Salick and Tho, 1984: 547–561 Homallotermes foraminifer; ecology; rainforest. Malaysia: Mainland.
- Tho, 1992: 111, 199, 207, fig. 45A *Homallotermes foraminifer*; soldier described and figured. Malaysia.
- Jones and Brendell, 1998: 79–91 *Homallotermes foraminifer*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Ahmad and Akhtar, 2002: 60 Homallotermes foraminifer; catalog. Malaysia: Mainland.
- Gathorne-Hardy, 2004: 121 *Homallotermes foraminifer*; checklist; distribution. Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.
- Gathorne-Hardy et al., 2006: 607, table 1 *Homallotermes foraminifer*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.

#### Capritermes (Capritermes) penangi Holmgren, 1914: 283–284 (imago, soldier, worker).

Type data: Syntypes: AMNH king, soldier, workers, FRI soldier, workers, nymph. Type locality: Malaysia: Penang.

- John, 1925: 413 Homallotermes penangi; listed.
- Snyder, 1949a: 191 Homallotermes penangi [part]; catalog; reference list [listed as valid].
   Malaya.
- Ahmad, 1950: 84, fig. 17 Homallotermes penangi; worker mandibles figured.
- Ahmad, 1958: 183 Homallotermes penangi; key.
- Mathur and Thapa, 1962a: 112 Homallotermes penangi; collection catalog. Malaysia.
- Krishna, 1968: 285 Capritermes (Capritermes) penangi; synonymized with foraminifer.
- Roonwal, 1970c: 353 Homallotermes penangi; distribution [listed as valid].
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

### *Homallotermes pilosus* (Mathur and Thapa, 1962)

Microcapritermes pilosus Mathur and Thapa, 1962c: 371–375 (soldier, worker), figs. 1-2.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, AMNH soldiers. Type locality: India: Tamil Nadu: Madras: Topslip.

- Mathur and Thapa, 1962a: 110 Capritermes pilosus; collection catalog. India.
- Krishna, 1968: 284, 285, fig. 15B Homallotermes pilosus; listed; new combination.
- Krishna, 1972: 2, 3, 5, 9, 10, 11, 13, 15, 18–22, figs. 7, 8 Homallotermes pilosus; imago, soldier described and figured; key. India: Kerala, Tamil Nadu.
- Sen-Sarma, 1974: 459 Homallotermes pilosus; ecology and biogeography. India.
- Chhotani, 1977a: 32 Homallotermes pilosus; distribution. India.
- Bose, 1984: 142, fig. 106 Homallotermes pilosus; synonymy; measurements; soldier figured; distribution; biology. India.
- Thakur, 1989b: 362 Homallotermes pilosus; distribution. India.
- Chhotani, 1997: 275–278, figs. 136–138 Homallotermes pilosus; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 60 Homallotermes pilosus; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Kerala, Tamil Nadu.

## Hoplotermes Light, 1933

#### Hoplotermes Light, 1933: 134-135.

Type species: Hoplotermes amplus Light, 1933 by original designation.

- Snyder, 1949a: 103 Hoplotermes; catalog; reference list.
- Emerson, 1955: 510 Hoplotermes; number of species; distribution.
- Weidner, 1955f: 72 Hoplotermes; number of species; distribution.
- Araujo, 1970d: 534 Hoplotermes; distribution; number of species in Neotropical Region.
- Araujo, 1977c: 61 Hoplotermes; catalog.
- Mill, 1983a: 182, 183 Hoplotermes; key; number of species in New World; habitat; distribution.
- Nickle and Collins, 1990: 115 Hoplotermes; listed.
- Constantino, 1998b: 202 Hoplotermes; catalog.
- Fontes and Monteiro, 1998: 25 Hoplotermes; etymology and pronunciation.
- Constantino, 2002a: 26 Hoplotermes; key.

#### ▲ 1 species.

§ DISTRIBUTION: Nearctic Region; Neotropical Region.

### Hoplotermes amplus Light, 1933

Hoplotermes amplus Light, 1933: 135-139 (soldier, worker), figs. DD-FF.

Type data: Lectotype: USNM soldier. Paralectotypes: AMNH soldiers, workers, FRI workers, ZSI worker.

LECTOTYPE DESIGNATION: Constantino, 1998b: 202 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Mexico: Jala.

- Light, 1934j: 339 Hoplotermes amplus; distribution. Mexico.
- Snyder, 1949a: 103 Hoplotermes amplus; catalog; reference list. Mexico.
- Ahmad, 1950: 83, fig. 12 Hoplotermes amplus; worker mandibles figured.

- Mathur and Thapa, 1962a: 44 Hoplotermes amplus; collection catalog. Mexico.
- Weesner, 1970: 511 Hoplotermes amplus; biology.
- Araujo, 1977c: 62 Hoplotermes amplus; catalog. Mexico.
- Nickle and Collins, 1990: 92, 98, 115–116, figs. 12E, F Hoplotermes amplus; key; soldier figured; characters; distribution. Mexico.
- Constantino, 1998b: 202 Hoplotermes amplus; catalog. Mexico to Costa Rica.
- Fontes, 1998: 366 Hoplotermes amplus; catalog; distribution. Guatemala; Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Hoplotermes amplus; checklist; diversity; distribution. Mexico.
- Soares and Costa-Leonardo, 2002: 1-6 Hoplotermes amplus; leg exocrine gland; morphology.
- Scheffrahn et al., 2005c: 551, table 1 Hoplotermes amplus; checklist; distribution. Nicaragua.
- S DISTRIBUTION: Nearctic Region—Mexico; Neotropical Region—Costa Rica; Guatemala; Mexico; Nicaragua.

## Incolitermes Gay, 1966

### Incolitermes Gay, 1966: 41.

Type species: Hamitermes (Ahamitermes) pumilus Hill, 1942: by original designation.

- Hill, 1942: 14, 307–310, 361–362 *Hamitermes*; as genus [part], *Incolitermes*; as subgenus [part]; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 130, 131 Ahamitermes [part]; catalog.
- Gay, 1956: 207 Ahamitermes [part]; synonymy; characters.
- Watson and Abbey, 1993b: 5 Incolitermes; remarks; Australian species.

#### ▲ 1 species.

© DISTRIBUTION: Australian Region.

## *Incolitermes pumilus* (Hill, 1942)

Hamitermes (Ahamitermes) pumilus Hill, 1942: 366 (imago, soldier), figs. 279, 280.

Type data: Holotype: ANIC No. 9117 soldier. Paratypes: ANIC No. 10 3362 soldiers, workers. Type locality: Australia: New South Wales: Unumgar State Forest, near Mt Lindesay (as Lindsay), near Queensland border; see Calaby, 1956b: 120.

- Snyder, 1949a: 131 Ahamitermes pumilus; catalog; new combination. Australia.
- Gay, 1956: 208, figs 1A, 1B *Ahamitermes pumilus*; imago (previously unknown) described and figured; biology; distribution. Australia.
- Calaby, 1956b: 118–120 *Ahamitermes pumilus*; nest described; biology; parasitic nesting relationship with *Coptotermes acinaciformis*; distribution. Australia.
- Noirot, 1956: 150 *Ahamitermes pumilus*; supplementary reproductives.
- Calaby and Gay, 1959: 218 Ahamitermes pumilus; nest; biology.
- Gay, 1966: 40–42, figs. 1–3 *Incolitermes pumilus*; imago, soldier described and figured; distribution; new combination.
- Gay and Calaby, 1970: 430 *Incolitermes pumilus*; biology; distribution. Australia.
- Ruelle, 1975b: 9 *Incolitermes pumilus*; "paramorphotypes" [= nontypes] listed.
- Watson and Abbey, 1993b: 108, fig. 182 Incolitermes pumilus; distribution map.
- Watson et al., 1998: 226 *Incolitermes pumilus*; catalog; synonymy; distribution; ecology.
- 🔇 DISTRIBUTION: Australian Region—Australia: New South Wales, Queensland, Western Australia.

## Indocapritermes Chhotani, 1997

#### Indocapritermes Chhotani, 1997: 343-344.

Type species: Indocapritermes aruni Chhotani, 1997 by original designation.

▲ 1 species.

♠ DISTRIBUTION: Oriental Region.

## Indocapritermes aruni Chhotani, 1997

Indocapritermes aruni Chhotani, 1997: 344–348 (soldier, worker), figs. 168–169.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldiers, workers.

Type locality: India: Kerala: Silent Valley.

- Ahmad and Akhtar, 2002: 63 Indocapritermes aruni; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Kerala.

## Inquilinitermes Mathews, 1977

#### Inquilinitermes Mathews, 1977: 130-132.

Type species: Capritermes fur Silvestri, 1901 by original designation.

- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Araujo, 1970d: 535, 570 Termes [part]; distribution; number of species in Neotropical Region.
- Araujo, 1977c: 62 Inquilinitermes; catalog.
- Mill, 1983a: 182, 185 Inquilinitermes; key; number of species in New World; habitat; distribution.
- Constantino, 1998b: 202 Inquilinitermes; catalog.
- Fontes and Monteiro, 1998: 26 Inquilinitermes; etymology and pronunciation.
- Constantino, 1999a: 406, 418 Inquilinitermes; key; biology; distribution.
- Constantino, 2002a: 24 Inquilinitermes; key.

#### ▲ 3 species.

TISTRIBUTION: Neotropical Region.

### *Inquilinitermes fur* (Silvestri, 1901)

Capritermes fur Silvestri, 1901: 5 (imago).

Type data: Syntypes: IEA imagoes, soldiers, workers, nymphs, AMNH imago, soldier, workers, nymph.

Type locality: Brazil: Mato Grosso: Cuiabá.

- Silvestri, 1902a: 12 Mirotermes fur; biology; new combination.
- Silvestri, 1903: 68–69, 128, fig. 17: pl. 3: figs. 119–123 *Mirotermes fur*; imago, soldier, worker described; imago, soldier figured; biology. Brazil.
- Desneux, 1904b: 42 Termes (Eutermes) fur; reference list; synonymy; new combination. Brazil.
- Holmgren, 1906: 669 *Mirotermes fur*; distribution. Brazil.
- Holmgren, 1912a: 109 Mirotermes (Mirotermes) fur; listed. Brazil.
- John, 1920: 234 Mirotermes fur; locality. Brazil.
- Strelnikov, 1920: 217, 218, 225 Mirotermes fur; biology; also as Microtermes [sic] fur.

- Snyder, 1949a: 180 Termes fur; catalog; reference list. Brazil.
- Emerson, 1955: 474 Termes fur; listed.
- Calaby, 1956b: 121 Termes fur; listed.
- Mathur and Thapa, 1962a: 120 Termes fur; collection catalog. Brazil.
- Araujo, 1970d: 570–571 *Termes fur*; biology.
- Araujo, 1977c: 62 Inquilinitermes fur; catalog. Brazil.
- Mathews, 1977: 132–133, figs. 67, 79, 81 *Inquilinitermes fur*; imago figured, soldier described and figured; new combination. Brazil.
- Mathot, 1978: 55 Termes fur; collection catalog; types listed.
- Roonwal and Verma, 1980b: 463, figs. 2X-Z Termes fur; wings described; wing microsculpturing.
- Fontes, 1983: 143 Inquilinitermes fur; additions and corrections to Araujo's catalog, 1977c.
- Raineri et al., 1993: 529 Capritermes fur; collection catalog; types listed.
- Constantino, 1998b: 202 Inquilinitermes fur; catalog. Brazil.
- Ferreira da Cunha et al., 2003: 761–770 *Inquilinitermes fur*; biology; host termite *Constrictotermes cyphergaster*; distribution. Brazil: Goiás (Cerrado).
- TISTRIBUTION: Neotropical Region—Brazil.

## Inquilinitermes inquilinus (Emerson, 1925)

Mirotermes (Mirotermes) inquilinus Emerson, 1925: 440-441 (imago, soldier), fig. 87.

TYPE DATA: Holotype: AMNH imago. Paratypes: AMNH imagoes, soldiers, workers, nymphs, NHMM imagoes.

Type Locality: Guyana (British Guiana): Kartabo.

- Snyder, 1949a: 181 Termes inquilinus; catalog; reference list; new combination. Guyana.
- Emerson, 1955: 474 Termes inquilinus; listed; distribution.
- Calaby, 1956b: 121 Termes inquilinus; listed.
- Van Boven, 1969a: 46 Termes inquilinus; types listed.
- Araujo, 1970d: 571 Termes inquilinus; biology.
- Araujo, 1977c: 62 *Inquilinitermes inquilinus*; catalog. Guyana; Brazil.
- Mathews, 1977: 122, 123, fig. 68 *Inquilinitermes inquilinus*; imago mandibles figured; new combination.
- Constantino, 1991c: 198, fig. 27 *Inquilinitermes inquilinus*; soldier figured; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 404 Inquilinitermes inquilinus; distribution. Brazil: Amazonia.
- Raineri et al., 1993: 530 Termes inquilinus; collection catalog; types listed.
- Constantino, 1998b: 202 Inquilinitermes inquilinus; catalog. Brazil; Guyana.
- Fontes, 1998: 366 Inquilinitermes inquilinus; catalog; distribution. Brazil; Guyana.
- Constantino, 1999a: figs. 140, 141 Inquilinitermes inquilinus; soldier figured.
- Constantino, 2002a: figs. 174–175 Inquilinitermes inquilinus; soldier figured.
- Davies et al., 2003a: 522 *Inquilinitermes* sp. near *inquilinus*; checklist; ecology; feeding groups; distribution. French Guiana.
- TISTRIBUTION: Neotropical Region—Brazil: Amazonia; Guyana.

# Inquilinitermes microcerus (Silvestri, 1901)

Capritermes fur microcerus Silvestri, 1901: 5 (imago).

Type data: Syntypes: IEA imagoes, soldiers, workers, nymphs, AMNH imago, soldiers, workers, nymph.

Type locality: Brazil: Mato Grosso: Cuiabá.

- Silvestri, 1902a: 12 Mirotermes fur microcerus; biology; new combination.
- Silvestri, 1903: 70, 120, pl. 3: fig. 124 Mirotermes fur subsp. microcerus; imago, soldier, worker described; imago figured. Brazil.
- Desneux, 1904b: 42 Termes (Eutermes) microcerus; listed; new combination.
- Holmgren, 1906: 669 Mirotermes fur microcerus; distribution. Brazil.
- Holmgren, 1912a: 109 Mirotermes (Mirotermes) microcerus; listed. Brazil.
- Snyder, 1949a: 184 *Termes microcerus*; catalog; reference list. Brazil.
- Araujo, 1977c: 62 *Inquilinitermes microcerus*; catalog. Brazil.
- Mathews, 1977: 133, fig. 80 Inquilinitermes microcerus; soldier described and figured; new combination. Brazil.
- Mathot, 1978: 59 Termes microcerus; collection catalog; types listed.
- Constantino, 1998b: 202-203 Inquilinitermes microcerus; catalog. Brazil.
- Ferreira da Cunha et al., 2003: 761–770 *Inquilinitermes microcerus*; biology; host termite *Constrictotermes cyphergaster*; distribution. Brazil: Goiás (Cerrado).
- Sena et al., 2003: 756, table 1 Inquilinitermes microcerus; checklist; ecology; distribution. Brazil.
- Mélo and Bandeira, 2004: 711, table 1 Inquilinitermes microcerus; ecology; distribution. Brazil: Paraíba.
- Apolinário and Martius, 2004: 23–28 Inquilinitermes microcerus; ecology; tree trunks;
   Amazonian rainforest.
- S DISTRIBUTION: Neotropical Region—Brazil.

### Invasitermes Miller, 1984

#### Invasitermes Miller, 1984a: 33.

Type species: *Invasitermes inermis* Miller, 1984 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes* [part]; as genus and subgenus; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 5 *Invasitermes*; remarks; Australian species.
- ▲ 2 species.
- ♠ DISTRIBUTION: Australian Region.

#### Invasitermes inermis Miller, 1984

Invasitermes inermis Miller, 1984a: 33-34 (imago), fig. 3.

Type locality: Australia: Northern Territory: Brocks Creek.

- Watson and Abbey, 1993b: 109, fig. 183 Invasitermes inermis; distribution map.
- Watson et al., 1998: 226 Invasitermes inermis; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland.

#### *Invasitermes insitivus* (Hill, 1929)

*Mirotermes insitivus* Hill, 1929: 94–95 (imago), pl. 14: figs. 9–11.

Type data: Holotype: NMV No. T-10872 imago ♂. Paratypes: NMV imagoes, workers, AMNH imagoes, workers, USNM imago.

Type locality: Australia: Queensland: Townsville.

- Hill, 1942: 388–390, fig. 298 *Mirotermes (Mirotermes) insitivus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 182 Termes insitivus; catalog; reference list; new combination. Australia.
- Calaby, 1956b: 121 Termes insitivus; association with Nasutitermes magnus.
- Miller, 1984a: 34 *Invasitermes insitivus*; synonymy; imago described; biology; comparisons; localities; new combination. Australia.
- Watson and Abbey, 1993b: 109, fig. 184 Invasitermes insitivus; distribution map.
- Watson et al., 1998: 226 Invasitermes insitivus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

### Kemneritermes Ahmad and Akhtar, 1981

Kemneritermes Ahmad and Akhtar, 1981: 5-6.

Type species: Kemneritermes sarawakensis Ahmad and Akhtar, 1981 by original designation.

- Chhotani, 1987: 411, 416 Kemneritermes; Oriental Region distribution and zoogeography.
- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

## Kemneritermes marginiceps (Salick and Tho, 1984) [nomen nudum].

*Procapritermes marginiceps* Salick and Tho, 1984: 560 [nomen nudum; Krishna MS name published by Salick and Tho, 1984].

© DISTRIBUTION: Oriental Region—Malaysia: Mainland.

#### Kemneritermes sarawakensis Ahmad and Akhtar, 1981

Kemneritermes sarawakensis Ahmad and Akhtar, 1981: 6–7 (soldier), fig. 2.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers.

Type locality: Malaysia: Sarawak: Sabal Tapang [01°10′N, 111°00′E].

- Gathorne-Hardy et al., 2001: 392 Kemneritermes sarawakensis; checklist; ecology; distribution.
   Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 66 Kemneritermes sarawakensis; catalog. Malaysia: Sarawak.
- Homathevi et al., 2002: 235, table 1 *Kemneritermes sarawakensis*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Kemneritermes sarawakensis*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 120 *Kemneritermes sarawakensis*; checklist; distribution. Indonesia: Kalimantan, Sumatra; Malaysia: Sabah, Sarawak.
- Gathorne-Hardy et al., 2006: 607, table 1 *Kemneritermes sarawakensis*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Sabah, Sarawak.

## Krishnacapritermes Chhotani, 1997

Krishnacapritermes Chhotani, 1997: 348-350.

Type species: Krishnacapritermes maitii Chhotani, 1997 by original designation.

▲ 2 species.

**©** DISTRIBUTION: Oriental Region.

## Krishnacapritermes maitii Chhotani, 1997

Krishnacapritermes maitii Chhotani, 1997: 350-354 (imago, soldier, worker), figs. 170-171.

Type data: Holotype: ZSI soldier. Paratypes: ZSI imagoes, soldier, workers.

Type locality: India: Tamil Nadu: Pumbarai: Palni Hills, 6700 ft.

- Ahmad and Akhtar, 2002: 63 Krishnacapritermes maitii; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Tamil Nadu.

## Krishnacapritermes thakuri Chhotani, 1997

Krishnacapritermes thakuri Chhotani, 1997: 354-358 (soldier, worker), figs. 172-173.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldiers, workers.

Type locality: India: Kerala: Silent Valley.

- Ahmad and Akhtar, 2002: 63 Krishnacapritermes thakuri; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Kerala.

## Labiocapritermes Krishna, 1968

*Labiocapritermes* Krishna, 1968: 304–305.

Type species: Capritermes distortus Silvestri, 1922 by original designation.

- Chhotani and Bose, 1973: 235 Labiocapritermes; distribution. Indian region.
- Sen-Sarma, 1974: 458–459 Labiocapritermes; ecology and biogeography.
- Morimoto, 1975b: 31 Labiocapritermes; key.
- Bose, 1984: 101, 103, 158 *Labiocapritermes*; key; synonymy.
- Chhotani, 1987: 411, 417 Labiocapritermes; Oriental Region distribution and zoogeography.
- Thakur, 1989b: 353 Labiocapritermes; ecology.
- Chhotani, 1997: 358–359 *Labiocapritermes*; synonymy; characters; distribution and composition.
- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

## Labiocapritermes distortus (Silvestri, 1922)

Capritermes distortus Silvestri, 1922: 541-543 (imago, soldier, worker), fig. 5.

Type data: Syntypes: IEA imagoes, soldiers, workers, AMNH imagoes, worker.

Type locality: India: Kerala, Kavalai: 1300-3000 ft.

- Margabandhu, 1934: 711 Capritermes distortus; annotated reference list.
- Snyder, 1949a: 193 Capritermes distortus; catalog. India.
- Lal and Menon, 1953: 46 Capritermes distortus; catalog; reference list. India.
- Ahmad, 1958: 184, 188 Capritermes distortus; key.
- Mathur and Thapa, 1962a: 108 Capritermes distortus; collection catalog. India.
- Krishna, 1968: 304, 305, 320, figs. 31, 32, 33 *Labiocapritermes distortus*; listed; worker mandibles, imago, soldier figured; new combination.
- Morimoto, 1975b: 31, fig. 94 Labiocapritermes distortus; soldier labrum figured.
- Roonwal, 1978c: 19 Labiocapritermes distortus; biology; distribution.
- Bose, 1984: 158–160, figs. 114, 115 *Labiocapritermes distortus*; synonymy; measurements; imago, soldier figured; distribution; biology. India.
- Thakur, 1989b: 362 Labiocapritermes distortus; distribution. India.
- Ferry, 1992: 193–211 Labiocapritermes distortus; ecology; distribution. India: Karnataka.
- Chhotani, 1997: 359–363, fig. 109 Labiocapritermes distortus; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 63 *Labiocapritermes distortus*; catalog. India [also cited under *Pericapritermes* with incorrect genus and date of new combination].

Pericapritermes vythirii Verma, 1983: 296-298 (soldier, worker), fig. 1.

Type data: Holotype: ZSI soldier. Paratypes: ZSI worker, ZSIN soldier, worker.

Type locality: India: Kerala: Vythiri, 896 m [10°35′N, 76°03′E].

- Thakur, 1989b: 362 Pericapritermes vythirii; distribution. India.
- Verma, 1994: 333 Pericapritermes vythiri [sic]; damage; distribution.
- Verma, 1995b: 45 Pericapritermes vythiri [sic]; damage; distribution.
- Chhotani, 1997: 360 Pericapritermes vythirii; synonymized with distortus.
- 🖪 DISTRIBUTION: Oriental Region—India: Karnataka, Kerala, Tamil Nadu.

# Lophotermes Miller, 1991

#### Lophotermes Miller, 1991: 1212.

Type species: Lophotermes pectinatus Miller, 1991 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes* [part]; as genus and subgenus; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 5 Lophotermes; remarks; Australian species.
- Bourguignon et al., 2008: 11, 26 Lophotermes; characters; key.
- ▲ 9 species.
- © DISTRIBUTION: Australian Region; Papuan Region.

## Lophotermes aduncus Miller, 1991

Lophotermes aduncus Miller, 1991: 1212-1214 (imago, soldier), figs. 122-125, 285-287, 356, 387.

Type data: Holotype: ANIC No. 9147 soldier. Paratypes: ANIC No. 10 8739 imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities], AMNH imagoes, soldiers, workers [Miller, 1991 incorrectly indicates that the AMNH specimens are from a non-type locality], BMNH imagoes, soldiers, workers [Miller, 1991 may be incorrect in indicating that the BMNH specimens are from a non-type locality].

Type locality: Australia: Queensland: Weipa Mission.

- Watson and Abbey, 1993b: 110, fig. 185 Lophotermes aduncus; distribution map.
- Watson et al., 1998: 226 *Lophotermes aduncus*; catalog; synonymy; distribution; ecology. Australia.
- Bourguignon et al., 2008: 12, 26, figs. 17–20, 65 *Lophotermes aduncus*; soldier described and figured; worker mandibles figured; key; distribution. Australia; Papua New Guinea.
- 📞 DISTRIBUTION: Australian Region—Australia: Queensland; Papuan Region—Papua New Guinea.

## Lophotermes brevicephalus Miller, 1991

**Lophotermes brevicephalus** Miller, 1991: 1214–1217 (imago, soldier), figs. 126–129, 288–290, 357, 388.

Type data: Holotype: ANIC No. 9148 soldier. Paratypes: ANIC No. 10 18039 queen, imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities].

Type locality: Australia: Queensland: Weipa.

- Watson and Abbey, 1993b: 110, fig. 186 Lophotermes brevicephalus; distribution map.
- Watson et al., 1998: 227 *Lophotermes brevicephalus*; catalog; synonymy; distribution; ecology. Australia.
- Bourguignon et al., 2008: 12–13, 26, figs. 21–24, 51–52, 62, 65 *Lophotermes brevicephalus*; imago, soldier described; worker mandibles, soldier figured; key; distribution. Australia; Papua New Guinea.
- € DISTRIBUTION: Australian Region—Australia: Queensland. ◆ Papuan Region—Papua New Guinea.

### Lophotermes crinitus Miller, 1991

Lophotermes crinitus Miller, 1991: 1217–1224 (soldier), figs. 130–133, 387.

Type data: Holotype: ANIC No. 9149 soldier. Paratypes: ANIC No. 10 18306 workers. Type locality: Australia: Queensland: 37 km S by E of Cooktown.

- Watson and Abbey, 1993b: 111, fig. 187 Lophotermes crinitus; distribution map.
- Watson et al., 1998: 227 Lophotermes crinitus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

## Lophotermes leptognathus Miller, 1991

**Lophotermes leptognathus** Miller, 1991: 1224–1226 (imago, soldier), figs. 134–137, 291–293, 358, 387.

Type data: Holotype: ANIC No. 9150 soldier. Paratypes: ANIC No. 10 18112 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities].

Type Locality: Australia: Northern Territory: Liverpool River, Arnhem Land.

- Watson and Abbey, 1993b: 111, fig. 188 Lophotermes leptognathus; distribution map.
- Watson et al., 1998: 227 Lophotermes leptognathus; catalog; synonymy; distribution; ecology.
   Australia.
- € DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

## Lophotermes parvicornis Miller, 1991

Lophotermes parvicornis Miller, 1991: 1227-1230 (imago, soldier), figs. 138-140, 294-296, 359, 388.

Type data: Holotype: ANIC No. 9151 soldier. Paratypes: ANIC No. 10 11755 queen, king, soldiers, workers, ANIC soldiers, workers [several series from non-type localities], AMNH soldiers, workers [Miller, 1991 incorrectly indicates that the AMNH specimens are from the type locality], BMNH soldiers, workers [Miller, 1991 may be incorrect in indicting that the BMNH specimens are from the type locality].

Type Locality: Australia: Queensland: Innot Hot Springs.

- Watson and Abbey, 1993b: 112, fig. 189 Lophotermes parvicornis; distribution map.
- Watson et al., 1998: 227 Lophotermes parvicornis; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

### Lophotermes pectinatus Miller, 1991

Lophotermes pectinatus Miller, 1991: 1230–1233 (imago, soldier, worker), figs. 142–145, 297–299, 360, 389.

Type data: Holotype: ANIC No. 9152 soldier. Paratypes: ANIC No. 10 18097 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series fron non-type localities].

Type Locality: Australia: Queensland: Weipa.

- Watson and Abbey, 1993b: 112, fig. 190 Lophotermes pectinatus; distribution map.
- Watson et al., 1998: 227 Lophotermes pectinatus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

#### Lophotermes pusillus Miller, 1991

Lophotermes pusillus Miller, 1991: 1234 (soldier), figs. 146-149, 361, 389.

TYPE DATA: Holotype: ANIC No. 9153 soldier. Paratypes: ANIC No. 10 16929 soldiers, workers. Type locality: Australia: Western Australia: West Angelas.

- Watson and Abbey, 1993b: 113, fig. 191 Lophotermes pusillus; distribution map.
- Watson et al., 1998: 227–228 Lophotermes pusillus; catalog; synonymy; distribution; ecology.
   Australia.
- 🐼 DISTRIBUTION: Australian Region—Australia: Western Australia.

## Lophotermes quadratus (Hill, 1927)

Mirotermes quadratus Hill, 1927a: 106 (soldier), fig. 132.

Type data: Holotype: NMV No. T-10874 soldier [by monotypy].

Type locality: Australia: Northern Territory: Stapleton.

- Hill, 1935: 22, 27 Mirotermes quadratus; listed.
- Hill, 1942: 402–404, figs. 310, 311 Mirotermes (Mirotermes) quadratus; imago, soldier described and figured; synonymy; distribution; biology. Australia.

- Snyder, 1949a: 185 Termes quadratus; catalog; new combination. Australia.
- Miller, 1991: 1234–1238, figs. 150–153, 300–302, 362, 393 *Lophotermes quadratus*; imago, soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 113, fig. 192 Lophotermes quadratus; distribution map.
- Tayasu et al., 1998: 536–542 *Lophotermes quadratus*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 228 Lophotermes quadratus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

## Lophotermes septentrionalis (Hill, 1927)

Mirotermes septentrionalis Hill, 1927a: 102-103 (soldier), figs. 125-127.

Type data: Holotype: NMV No. T-10873 soldier. Paratypes: NMV soldiers, workers, AMNH soldiers, NMV soldiers, workers [not type locality], AMNH soldiers [not type locality]. Type locality: Australia: Northern Territory: Darwin.

- Hill, 1942: 404–405, fig. 312 *Mirotermes (Mirotermes) septentrionalis*; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 186 Termes septentrionalis; catalog; new combination. Australia.
- Miller, 1991: 1238–1240, figs. 154–157, 303–305, 363, 390 Lophotermes septentrionalis; imago, soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 114, fig. 193 Lophotermes septentrionalis; distribution map. Australia.
- Inoue et al., 1997b: 159–171 Lophotermes septentrionalis; mtDNA sequences; phylogeny.
- Sugimoto et al., 1997: 211, 213, 216, 221 *Lophotermes septentrionalis*; methane and hydrogen emissions. Australia.
- Tayasu et al., 1998: 536–542 *Lophotermes septentrionalis*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 228 Lophotermes septentrionalis; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

# Macrognathotermes Miller, 1991

#### Macrognathotermes Miller, 1991: 1256.

Type species: *Macrognathotermes errator* Miller, 1991 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes* [part]; as genus and subgenus; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 5 Macrognathotermes; remarks; Australian species.
- Bourguignon et al., 2008: 13, 26 Macrognathotermes; characters; key.
- ▲ 4 species.
- © DISTRIBUTION: Australian Region; Papuan Region.

### Macrognathotermes broomensis (Mjöberg, 1920)

Mirotermes broomensis Mjöberg, 1920: 99–100 (soldier, worker), fig. 50, pl. 2: fig. 3.

Type data: Lectotype: AMNH soldier [incorrectly identified as "the only surviving specimen" by Miller, 1991]. Paralectotypes: AMNH soldier, workers.

LECTOTYPE DESIGNATION: Miller, 1991: 1256.

Type locality: Australia: Western Australia: Broome.

- Hill, 1927a: 102 Mirotermes broomensis; locality. Australia.
- Hill, 1942: 379–380, fig. 290 *Mirotermes (Mirotermes) broomensis*; soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 179 Termes broomensis; catalog; new combination. Australia.
- Miller, 1991: 1256–1258, figs. 182–185, 370, 394 *Macrognathotermes broomensis*; soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 115, fig. 194 Macrognathotermes broomensis; distribution map.
- Watson et al., 1998: 228 Macrognathotermes broomensis; catalog; synonymy; distribution; ecology. Australia.
- ♠ DISTRIBUTION: Australian Region—Australia: Western Australia.

## Macrognathotermes errator Miller, 1991

*Macrognathotermes errator* Miller, 1991: 1258–1260 (imago, soldier), figs. 186–189, 315–317, 371, 394.

Type data: Holotype: ANIC No. 9157 soldier. Paratypes: ANIC No. 10 18214 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several seies from non-type localities].

Type locality: Australia: Northern Territory: Milingimbi.

- Watson and Abbey, 1993b: 115, fig. 195 Macrognathotermes errator; distribution map.
- Watson et al., 1998: 228–229 *Macrognathotermes errator*; catalog; synonymy; distribution; ecology. Australia.
- Bourguignon et al., 2008: 13, 17, 26, figs. 25–28, 53–54, 63, 65 *Macrognathotermes errator*; imago, soldier described; worker mandibles, soldier figured; key; distribution. Australia; Papua New Guinea.
- ♠ DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Bathurst Island, Melville Island. ◆ Papuan Region—Papua New Guinea.

### Macrognathotermes prolatus Miller, 1991

Macrognathotermes prolatus Miller, 1991: 1260 (soldier), figs. 190–193, 372, 394.

Type data: Holotype: ANIC No. 9158 soldier. Paratypes: ANIC No. 10 18202 soldiers, workers, ANIC soldiers, workers [not type locality], AMNH soldiers, workers, BMNH soldiers, workers. Type locality: Australia: Northern Territory, Groote Eylandt.

- Watson and Abbey, 1993b: 116, fig. 196 Macrognathotermes prolatus; distribution map.
- Watson et al., 1998: 229 *Macrognathotermes prolatus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, Western Australia; Groote Eylandt.

### Macrognathotermes sunteri (Hill, 1927)

Mirotermes sunteri Hill, 1927a: 106-109 (imago, soldier), figs.133-138, 210, 211, 223, 224.

Type data: Lectotype: NMV No. T-10875 imago ♂ [Miller, 1991 incorrectly cite this specimen as holotype]. Paralectotypes: NMV imagoes, soldiers, workers, AMNH queens, imagoes, soldiers, workers, AMNH imagoes, queen, soldiers, workers [some series from non-type localities], USNM imago, soldier, worker [not type locality], NMV imagoes, soldiers, workers [several series from non-type localities].

LECTOTYPE DESIGNATION: Hill, 1942: 407 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: Darwin.

- Hill, 1942: 405–407, figs. 313, 314, pl. 20: fig. 1 Mirotermes (Mirotermes) sunteri; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 186, 187 Termes sunteri; catalog; new combination. Australia.
- Ratcliffe et al., 1952: 117 Mirotermes sunteri; characters; biology; distribution.
- Gay and Calaby, 1970: 435 Termes sunteri; biology; distribution. Australia.
- Watson et al., 1978b: 103, 105 Termes sunteri; distribution; ecology.
- Miller, 1991: 1262–1264, figs. 194–197, 318–320, 373, 395 Macrognathotermes sunteri; imago, soldier described and figured; new combination. Australia.
- Watson and Gay, 1991: figs. 20.7B, 20.15K Macrognathotermes sunteri; gut, soldier figured.
- Watson and Abbey, 1993b: 116, fig. 197 Macrognathotermes sunteri; distribution map.
- Inoue et al., 1997b: 159–171 *Macrognathotermes sunteri*; symbionts; enzymes; mtDNA sequences; phylogeny.
- Sugimoto et al., 1997: 211, 213, 216, 221 *Macrognathotermes sunteri*; methane and hydrogen emissions. Australia.
- Abensperg-Traun and Perry, 1998: 198 Macrognathotermes sunteri; biology; ecology; distribution. Australia.
- Tayasu et al., 1998: 536–542 *Macrognathotermes sunteri*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 229 Macrognathotermes sunteri; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

### Microcerotermes Silvestri, 1901

#### Microcerotermes Silvestri, 1901: 3.

Type species: Termes strunckii Sörensen, 1884 by monotypy.

- Haviland, 1898: 378, 400–401 Termes "section with T. dubius for type"; characters; key.
- Wasmann, 1902d: 119–120 Microcerotermes; characters; discussion; species included.
- Silvestri, 1903: 41 Microcerotermes; characters; distribution.
- Escherich, 1909: 176 Microcerotermes; characters.
- Holmgren, 1910b: 286 Microcerotermes; listed.
- Holmgren, 1910a: 145, 146 Microcerotermes; distribution.
- Holmgren, 1911a: 12 Microcerotermes; listed.
- Holmgren, 1912a: 121–124 *Microtermes* [typographical error for *Microcerotermes*]; characters; species included; systematic position.
- Banks, 1919: 482 *Microcerotermes*; *debilis*; selected as the type species of *Eutermes*; *debilis*; transferred to *Microcerotermes* and *Microcerotermes* designated a synonym of *Eutermes*.
- Banks, 1920: 8 *Microcerotermes*; *debilis*; again selected as the type species of *Eutermes*; *debilis* transferred to *Microcerotermes* and *Microcerotermes* designated a synonym of *Eutermes*.

- Warren, 1919: 2 Microcerotermes; distribution.
- Fuller, 1921: 18, 20, 21, 23, 24 Eutermes; synonymy; key; Microcerotermes placed as a synonym of Eutermes.
- Fuller, 1924a: 277–280 Eutermes; synonym of Microcerotermes.
- Emerson, 1925: 453 *Microcerotermes*; distribution.
- Fuller, 1925b: 217-220 Microcerotermes; characters.
- Sjöstedt, 1926d: 193 Microcerotermes; reference list.
- Snyder, 1926e: 71-72 Microcerotermes; characters; Eutermes and validity discussed.
- Bathellier, 1927: 179–180 Microcerotermes; characters.
- Emerson, 1928b: 409, 419, 543 Microcerotermes; key; distribution; discussion.
- Light, 1930f: 17, 19 Microcerotermes; key.
- Light, 1933: 82, 142 Microcerotermes; key.
- Kemner, 1934b: 158 Microcerotermes; reference list; discussion.
- Snyder, 1934a: 26, 28 Microcerotermes; key.
- Hare, 1937: 474, 475, pls. 1, 2 Microcerotermes; phylogeny; Holmgren's phylogeny compared.
- Harris, 1941: 202 Microcerotermes; key.
- Hill, 1942: 14, 421-422 Microcerotermes; key; synonymy; imago, soldier, worker diagnosed.
- Tembrock, 1944: figs. 27, 28 Microcerotermes; map; species distribution.
- Snyder, 1949a: 132 *Microcerotermes*; catalog; reference list.
- Cachan, 1949: 186, 230 *Microcerotermes*; key; synonymy; characters; species included from Madagascar.
- Ratcliffe et al., 1952: 54, 113-114 Microcerotermes; key; discussion; biology; species included.
- Lal and Menon, 1953: 35, 42 Microcerotermes; catalog; reference list; key.
- Emerson, 1955: 510 Microcerotermes; number of species; distribution.
- Ahmad, 1955b: 218, 219 Microcerotermes; key.
- Weidner, 1955f: 72 Microcerotermes; number of species; distribution.
- Ahmad, 1958: 85, 90 Microcerotermes; key.
- Weidner, 1958: 9 Microcerotermes; key.
- Calaby and Gay, 1959: 212 Microcerotermes; zoogeography; number of species.
- Kovoor, 1959: 445–457 Microcerotermes; digestive tube anatomy.
- Webb, 1961: 15 *Microcerotermes*; key.
- Coaton, 1962b: 45, fig. 11 Microcerotermes; distribution. Botswana; Lesotho; South Africa.
- Roonwal and Bose, 1964: 8 Microcerotermes; key.
- Tsai and Chen, 1964b: 72, 73, 79 Microcerotermes; key; characters.
- Ahmad, 1965: 7, 8 Microcerotermes; key.
- Bouillon and Mathot, 1965: 22, 84, 85, pl. 10: fig. 26b *Microcerotermes*; key; characters; imago/worker mandibles figured.
- Chatterjee and Thakur, 1967: 4 Microcerotermes; key.
- Prashad et al., 1967: 2-5 Microcerotermes; characters; relationships; reference list; distribution.
- Harris, 1968c: 7 Microcerotermes; key.
- Roonwal and Bose, 1969: 445 Microcerotermes; key.
- Roonwal and Bose, 1970a: 120 Microcerotermes; key.
- Araujo, 1970d: 534, 550 *Microcerotermes*; distribution; number of species in Neotropical Region.
- Bess, 1970: 469 Microcerotermes; number of species; distribution. Oceanic Islands.
- Harris, 1970b: 309 Microcerotermes; nest; biology.
- Bouillon and Mathot, 1971: table Microcerotermes; number of species in Ethiopian Region; soldier measurements.
- Chaudhry et al., 1972: 44 Microcerotermes; characters.
- Coaton and Sheasby, 1972: 25, 67, 101, figs. 12C-D, 38 *Microcerotermes*; soldier figured; key; ecology; biology; distribution. Namibia.
- Chhotani and Bose, 1973: 233 Microcerotermes; distribution. Indian region.
- Akhtar, 1974b: 94, 96, 97, 100 Microcerotermes; distribution; ecology. Pakistan.

- Roonwal et al., 1974: 70, 71 *Microcerotermes*; wing micrasters.
- Sen-Sarma, 1974: 423, 434, 446, 448, 455–456 Microcerotermes; ecology and biogeography.
- Akhtar, 1975: 59, 60 Microcerotermes; key.
- Morimoto, 1975b: 30 Microcerotermes; key.
- Roonwal, 1975g: 399 Microcerotermes; key.
- Sen-Sarma et al., 1975: 1-2, 4, 8, 37 Microcerotermes; distribution and ecology; key. India.
- Morimoto, 1976b: 27 Microcerotermes; remarks.
- Araujo, 1977c: 62 Microcerotermes; catalog.
- Mathews, 1977: 104–105 Microcerotermes; synonymy; characters.
- Roonwal and Chhotani, 1977: 43, 44 Microcerotermes; key.
- Roonwal and Rathore, 1977: 308 Microcerotermes; wing microsculpturing.
- Roonwal and Verma, 1977b: 467 *Microcerotermes*; ecology; biogeography.
- Abe, 1979: 128, 132 *Microcerotermes*; ecology.
- Bandeira, 1979b: 490 Microcerotermes; ecology. Brazil: Amazonia State.
- Chhotani and Bose, 1979b: 17, 25-27 Microcerotermes; nesting behavior and nests. India.
- Sen-Sarma and Thakur, 1979: 4 Microcerotermes; key.
- Chhotani, 1980: 6, 37 Microcerotermes; Indian species listed; key.
- Lahiri and Ghosh, 1980: 65 Microcerotermes; key.
- Roonwal and Verma, 1980a: 261, 262 Microcerotermes; wing microsculpturing.
- Mill, 1982a: 255 Microcerotermes; habitat; nest location; food; locality. Brazil.
- Bose and Das, 1982: 199 Microcerotermes; key.
- Mill, 1982b: 56 Microcerotermes; habitat; nest location; food.
- Chhotani and Bose, 1983: 125–127 *Microcerotermes*; distribution. Palaearctic Region; Arabian Peninsula.
- Maiti, 1983: 18, 24 Microcerotermes; key.
- Mill, 1983a: 182, 185 Microcerotermes; key; number of species in New World; habitat; distribution.
- Roonwal and Verma, 1983: 31 *Microcerotermes*; wing microsculpturing.
- Roonwal, 1983b: 364 Microcerotermes; wing microsculpturing.
- Abe, 1984: 71 Microcerotermes; distribution.
- Bose, 1984: 100, 102, 125–126 *Microcerotermes*; key; synonymy; remarks.
- Collins, 1984: 78 Microcerotermes; key.
- Perry et al., 1985: 75 Microcerotermes; remarks.
- Badawi et al., 1986b: 17-19 Microcerotermes; ecological factors and distribution. Saudi Arabia.
- Chhotani, 1986: 22, 24 Microcerotermes; Oriental Region distribution and zoogeography.
- Abe, 1987: 127 *Microcerotermes*; ecology; nest; distribution.
- Al-Kady et al., 1987: 188–189, 192, 193 Microcerotermes; key; soldier, worker mandibles, wing venation described.
- Bose and Das, 1987: 108 Microcerotermes; key.
- Chhotani, 1987: 409, 416–417 Microcerotermes; Oriental Region distribution and zoogeography.
- Chhotani, 1988: 363 Microcerotermes; workers discussed. Oman.
- Huang et al., 1989: 390, 392 Microcerotermes; key; characters; distribution.
- Thakur, 1989b: 353 Microcerotermes; ecology.
- Thakur (R.K.), 1989: 9 Microcerotermes; key.
- Nickle and Collins, 1990: 94, 117 Microcerotermes; key; characters.
- Chhotani and Bose, 1991: 264 Microcerotermes; key.
- Nickle and Collins, 1992: 225, 227, 228–229 Microcerotermes; key; characters.
- Maiti and Saha, 1993: 518, 519 Microcerotermes; key.
- Watson and Abbey, 1993b: 5 Microcerotermes; remarks; Australian species.
- Maiti and Chakraborty, 1994: 10 Microcerotermes; key.
- Gao et al., 1996: 89 Microcerotermes; key; characters; distribution.
- Akhtar and Ahmad, 1997: 216, 218 Microcerotermes; zoogeographical distribution. Pakistan.

- Chhotani, 1997: 138–150 Microcerotermes; synonymy; characters; distribution and composition; remarks on identity of soldiers; key to species.
- Constantino, 1998b: 203 Microcerotermes; catalog.
- Fontes and Monteiro, 1998: 26 Microcerotermes; etymology and pronunciation.
- Sands, 1998: 34, 184–187, figs. 640–668 *Microcerotermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- Constantino, 1999a: 406, 418 Microcerotermes; key; biology; distribution.
- Bose, 1999: 25, 27, 143 Microcerotermes; key; distribution.
- Huang et al., 2000: 546, 548 Microcerotermes; key; characters; distribution; reference list.
- Maiti et al., 2000: 298 Microcerotermes; key.
- Roisin and Pasteels, 2000: 137-140 Microcerotermes; characters; key to some Papuan species.
- Constantino, 2002a: 24 Microcerotermes; key.
- Uys, 2002: 65, 81–83, fig. 199 Microcerotermes; key; species included; diagnosis; biology; distribution. South Africa.
- Maiti et al., 2003: 241 Microcerotermes; key.
- Maiti et al., 2004: 155 Microcerotermes; key.
- Rathore and Bhattacharyya, 2004: 8 Microcerotermes; key.
- Rathore and Tak, 2004a: 43 Microcerotermes; key.
- Sornnuwat et al., 2004: 356, 359 *Microcerotermes*; key, number of species. Thailand.
- Zeidler et al., 2004: 285–292  $\it Microcerotermes$ ; seasonal sampling. Namibia.
- Engel and Krishna, 2005a: 8–13 Microcerotermes; proposal to place on the Official List of Generic Names in Zoology, with type species Termes strunckii Sörensen, 1884 by monotypy.
- Rathore and Mandal, 2005: 69 *Microcerotermes*; key to species; habitats. India: Rajasthan.
- Roisin, 2005: 149–150 Microcerotermes; comments on conservation of the name.
- Setter and Myles, 2005: 96–103 Microcerotermes; distribution. USA: California.
- ICZN, 2007: 73 Microcerotermes; opinion 2168; case 3292.

#### Gibbotermes Cachan, 1951: 10.

Type species: Cubitermes subinteger Cachan, 1949 by original designation.

- Emerson, 1955: 488 Gibbotermes; synonymized with Microcerotermes.
- Weidner, 1955f: 73 Gibbotermes; number of species; distribution [listed as valid].
- ▲ 148 living species, 2 fossil species.
- Tistribution: Ethiopian Region; Australian Region; Nearctic Region; Neotropical Region; Oriental Region; Palaearctic Region; Papuan Region.

### *Microcerotermes acerbus* (Sjöstedt, 1911)

Eutermes acerbus Sjöstedt, 1911e: 180-181 (soldier).

Type data: Holotype: NHRM single soldier. Paratypes: AMNH workers.

Type locality: Sierra Leone.

- Holmgren, 1912a: 122 Microcerotermes acerbus; listed; new combination Sierra Leone.
- Sjöstedt, 1913a: 380 Eutermes (Microcerotermes); key.
- Hegh, 1922: 445, 702 Microcerotermes acerbus; biology; distribution.
- Sjöstedt, 1926d: 194, 198 Microcerotermes acerbus; reference list; key; locality. Sierra Leone.
- Snyder, 1949a: 132 *Microcerotermes acerbus*; catalog; reference list. Sierra Leone.
- Bouillon and Mathot, 1971: table: no. 100 Microcerotermes acerbus; measurements.
- TISTRIBUTION: Ethiopian Region—Sierra Leone.

# Microcerotermes algoasinensis Fuller, 1925

*Microcerotermes algoasinensis* Fuller, 1925b: 240–241 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imagoes, soldiers, workers, nymphs, NCIP imagoes, soldiers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Cape Province: Port Elizabeth (Algoa Bay) [33°58′S, 25°36′E].

- Snyder, 1949a: 132 Microcerotermes algoasinensis; catalog; reference list. South Africa.
- Bouillon and Mathot, 1971: table: no. 101 *Microcerotermes algoasinensis*; measurements.
- Ruelle, 1975b: 9 Microcerotermes algoasinensis; types listed.
- Uys, 2002: fig. 198 Microcerotermes algoasinensis; nest figured.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Microcerotermes amboinensis Kemner, 1931

Microcerotermes amboinensis Kemner, 1931: 26-33 (imago, soldier, worker), figs. 8-10.

TYPE DATA: Syntypes: ZMLU imagoes, soldiers, workers, AMNH queen, imago, soldier, workers. Type locality: Indonesia: Maluku (Moluccas): Amboina.

- Oshima, 1914c: 46–47, pl. 1: fig. 3 *Microcerotermes distans* [misidentification]; soldier, worker described and figured. Indonesia.
- Oshima, 1914a: 584, pl. 10: fig. 5 Microcerotermes distans [misidentification]; soldier, worker described and figured. Indonesia.
- Weyer, 1930a: 364–380 *Microcerotermes* n. sp.; biology; castes; substitute sexual forms. Indonesia: Sunda Island.
- Weyer, 1930b: 177-190 Microcerotermes amboinensis; nomen nudum; soldier, worker gonads.
- Weyer, 1930c: 327–380, pl. 4 *Microcerotermes amboinensis*; colony foundation; nest described and figured.
- Kemner, 1934b: 23 Microcerotermes amboinensis; listed.
- Weyer, 1935: 648-672 Microcerotermes amboinensis; midgut histology; regeneration.
- Stella, 1939: 259 Microcerotermes amboinensis; soldier gonads.
- Snyder, 1949a: 132 Microcerotermes amboinensis; catalog; reference list. Amboina.
- Grassé, 1949: figs. 125A–B, 129 *Microcerotermes amboinensis*; worker gonads, neotenics figured.
- Noirot, 1955b: 491-495 Microcerotermes amboinensis; caste development; polymorphism.
- Kaiser, 1956: 159–169 *Microcerotermes amboinensis*; hormonal organs; corpora allata; caste differentiation
- Noirot, 1956: 150 *Microcerotermes amboinensis*; supplementary reproductives.
- Harris, 1958e: 438 *Microcerotermes amboinensis*; colony foundation.
- Bess, 1970: 473 Microcerotermes amboinensis; listed. Papuan Region.
- Roonwal, 1975f: 403, 406, 413 Microcerotermes amboinensis; sex ratios; sexual dimorphism.
- Messer, 1984: 615 Microcerotermes amboinensis; communal nesting with bee.
- Roonwal and Chhotani, 1989: 88 Microcerotermes amboinensis; sex ratio discussed.
- Roisin and Pasteels, 2000: 145 Microcerotermes amboinensis; remarks; comparisons; synonymy.
   Indonesia.
- Belyaeva and Dovgobrod, 2006: fig. 5d Microcerotermes amboinensis; female genitalia figured.
- © DISTRIBUTION: Papuan Region—Indonesia: Maluku (Moluccas): Amboina (Ambon).

### Microcerotermes annandalei Silvestri, 1923

Microcerotermes annandalei Silvestri, 1923b: 225–228 (imago, soldier, worker), figs. 3–4.

Type data: Lectotype: ZSI soldier. Paralectotypes: IEA imagoes, soldiers, workers, ZSI imagoes, workers, AMNH imago, soldier, worker.

LECTOTYPE DESIGNATION: Chhotani, 1997: 153.

Type Locality: India: Orissa: Chilka Lake: Barkuda Island.

- Annandale, 1923: 233, 234, 236, 237, 250 Microcerotermes annandalei; biology; swarming.
- Margabandhu, 1934: 709 Microcerotermes annandalei; annotated reference list; biology.
- Snyder, 1949a: 132 Microcerotermes annandalei; catalog; reference list. India.
- Lal and Menon, 1953: 42 Microcerotermes annandalei; catalog; reference list. India.
- Roonwal and Sen-Sarma, 1956: 12 *Microcerotermes annandalei*; soldier measurements; locality. India
- Ahmad, 1958: 166, 168 Microcerotermes annandalei; key.
- Roonwal, 1959: 520, 521 Microcerotermes annandalei; nest; ecology.
- Ahmad, 1962: 68 Microcerotermes annandalei; distribution. Pakistan.
- Mathur and Thapa, 1962a: 45 Microcerotermes annandalei; collection catalog. India.
- Mathur and Thapa, 1963b: 106 Microcerotermes annandalei; checklist; locality. India.
- Krishna, 1965a: 9 Microcerotermes annandalei; comparisons.
- Ahmad, 1965: 64, 65, 69–70, 109, figs. 68, 69 *Microcerotermes annandalei*; imago, soldier described and figured; key; reference list; distribution. Thailand.
- Mathur and Thapa, 1965: 5, 6 *Microcerotermes annandalei*; comparisons.
- Prashad et al., 1967: 6, 7, 8–12, figs. 1–3 *Microcerotermes Annandalei* [changed to *annandalei* in errata]; imago, soldier, worker described and figured; key; reference list; distribution. India.
- Roonwal and Bose, 1970a: 154 Microcerotermes annandalei; comparisons.
- Roonwal, 1970c: 347-348 Microcerotermes annandalei; biology; distribution.
- Morimoto, 1973a: 64, 77 Microcerotermes annandalei; distribution. Thailand.
- Roonwal et al., 1974: 56, 57, 60, fig. 2 Microcerotermes annandalei; wing micrasters.
- Sen-Sarma, 1974: 458 Microcerotermes annandalei; ecology and biogeography. India.
- Sen-Sarma et al., 1975: 13, 64 Microcerotermes annandalei; distribution and ecology; key. India.
- Morimoto, 1976b: 29, fig. 55 Microcerotermes annandalei; key; soldier figured; distribution.
- Morimoto, 1976a: 326 Microcerotermes annandalei; locality. Malaysia: Mainland.
- Chhotani and Bose, 1979b: 25 Microcerotermes annandalei; nesting behavior and nests. India.
- Sen-Sarma and Thakur, 1979: 5, 15-16 Microcerotermes annandalei; key; distribution. India.
- Roonwal and Verma, 1980a: 257, figs. 3B, C Microcerotermes annandalei; wing microsculpturing.
- Bose and Das, 1982: 198, 200, 203, 211 Microcerotermes annandalei; distribution; key. India.
- Rathore, 1986: 244 Microcerotermes annandalei; imago, soldier measurements; locality. India.
- Thakur, 1987: 204 Microcerotermes annandalei; soldier measurements; distribution.
- Bose and Das, 1987: 104, 109 Microcerotermes annandalei; key; restricted synonymy; distribution. India.
- Tho, 1992: 93, 199, 206 *Microcerotermes annandalei*; listed as possible locality error by Morimoto, 1977: from Malaysia; for either *dubius* [= *duplex*] or *havilandi*.
- Verma et al., 1993 [215, 217–218, fig. 3 *Microcerotermes annandalei*; key; soldier measurements; soldier figured; distribution. Bangladesh; India; Myanmar; Thailand.
- Verma and Purohit, 1996: 238 Microcerotermes annandalei; listed. India: Rajasthan.
- Chhotani, 1997: 150–153, figs. 65–66 *Microcerotermes annandalei*; imago, soldier, worker described and figured; synonymy; key. India.
- Bose, 1999: 31 Microcerotermes annandalei; key.
- Maiti et al., 2000: 296, 301 Microcerotermes annandalei; listed; key; distribution. India.
- Ahmad and Akhtar, 2002: 55 Microcerotermes annandalei; catalog. India; Pakistan; Thailand.
- Takematsu et al., 2003: 592, fig. 3C Microcerotermes annandalei; soldier figured. Thailand.
- Ohkuma et al., 2004: 701-710 Microcerotermes annandalei; phylogeny; COII sequences.

- Rathore and Bhattacharyya, 2004: 12, 28, 65, pl. 3: fig. 26 *Microcerotermes annandalei*; key; checklist; soldier figured; distribution. India.
- Sornnuwat et al., 2004: 364 Microcerotermes annandalei; checklist; distribution. Thailand.
- Houseman, 2005: 237 Microcerotermes annandalei; distribution. Thailand.
- Inoue et al., 2005: 674, 675 Microcerotermes annandalei; soldier measurements. Thailand.
- Roy, 2005: 140 Microcerotermes annandalei; checklist; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Bihar, Haryana, Nagaland, Orissa, Rajasthan, Tripura; Malaysia: Mainland; Myanmar; Thailand.

### Microcerotermes apricitatis Fuller, 1925

Microcerotermes apricitatis Fuller, 1925b: 224 (imago, soldier).

Type data: Lectotype: NCIP imago ♀. Paralectotypes: NCIP imagoes, AMNH imagoes. Lectotype designation: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated. Type locality: South Africa: Pretoria: Sunnyside [25°54′S, 28°12′E].

- Snyder, 1949a: 133 Microcerotermes apricitatis; catalog; reference list. South Africa.
- Bouillon and Mathot, 1971: table: no. 102 Microcerotermes apricitatis; measurements.
- Ruelle, 1975b: 9 *Microcerotermes apricitatis*; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Microcerotermes arboreus Emerson, 1925

Microcerotermes arboreus Emerson, 1925: 453-455 (imago, worker), fig. 94.

Type data: Holotype: AMNH imago. Paratypes: AMNH queens, imagoes, soldiers, workers, nymphs, MCZ No. 1055?

Type locality: Guyana (British Guiana): Kartabo.

- Hagen, 1854: 223 Termes debilis [misidentification]; discussion.
- Hagen, 1855: 306, 310 Termes debilis [misidentification]; discussion.
- Hagen, 1858c: 205–208, 243, pl. 3: fig. 30 Termes (Eutermes) debilis [misidentification]; imago described and figured; synonymy; distribution. Brazil; Puerto Rico [specimen in Königsberg Museum, cabinet 559].
- Hagen, 1858b: 28–29 *Termes (Entermes)* [sic]) *debilis* [misidentification]; imago described; synonymy; distribution. Brazil; Puerto Rico.
- Hagen, 1861b: 4–5, 301 *Termes debilis* [misidentification]; imago described; synonymy; measurements; distribution. Brazil; Puerto Rico.
- Hagen, 1862a: 59 Eutermes debilis [misidentification]; listed.
- Dudley, 1890b: 161 Termes albidus [misidentification]; listed.
- Desneux, 1904b: 41 Termes (Eutermes) debilis [misidentification]; reference list; synonymy. Brazil.
- Banks, 1918: 663, pl. 5: fig. 7 *Eutermes debilis* [misidentification]; imago, soldier described; soldier figured; remarks. Panama [soldier figure very poor, probably *Heterotermes tenuis* fide Snyder, 1949a and Emerson, card catalog].
- Banks, 1919: 482 *Eutermes debilis* [misidentification]; remarks; *debilis* selected as type species of *Eutermes*; locality. Panama.
- Banks, 1920: 8 *Microcerotermes debilis* [misidentification]; close to *M. struncki*; selected again as the type species of *Eutermes*; *debilis* transferred to *Microcerotermes*, and *Microcerotermes* designated a synonym of *Eutermes*.
- Snyder and Zetek, 1924: 3, 21, pl. 10 *Eutermes debilis* [misidentification]; locality; biology; nest; damage. Panama.

- Dietz and Snyder, 1924: 282, 291 *Eutermes debilis* [misidentification]; remarks; queen measurements; remarks on fossil specimen examined by Hagen. Panama.
- Snyder, 1925j: 193 Microcerotermes debilis [misidentification]; listed as = arboreus. Panama.
- Snyder, 1925e: 162 Microcerotermes arboreus; locality. Honduras.
- Snyder, 1926e: 27, 72 *Microcerotermes arboreus*; locality. Bolivia. *Nasutitermes* (*Nasutitermes*) aurantiacus [misidentification; queen description = arboreus]; locality. Bolivia.
- Wheeler, 1936: 234 Microcerotermes arboris [sic]; ant ecological relationships.
- Adamson, 1937: 141, 142, 145, 146, figs. 5, 6, 7 *Microcerotermes arboreus*; listed; nest figured and described; biology; distribution. Trinidad.
- Hare, 1937: 468, pl. 13: fig. 55 *Microcerotermes arboreus*; imago/worker, soldier mandibles measurements and figure.
- Adamson, 1940a: 15 Microcerotermes arboreus; listed; distribution. Trinidad and Tobago.
- Adamson, 1940b: 45–48, fig. 6 Microcerotermes arboreus; intercaste described and figured; intercaste origin; caste determination.
- Williams, 1941: 76 Microcerotermes arboreus; ecology; distribution. Panama.
- Adamson, 1941: 413, 414 Microcerotermes arboreus; laboratory rearing.
- Wolcott, 1941: 43 Microcerotermes arboreus; distribution. Puerto Rico.
- Adamson, 1946: 222 Microcerotermes arboreus; listed; distribution. Trinidad and Tobago.
- Snyder, 1949a: 133 Microcerotermes arboreus; catalog; reference list; synonymy. Bolivia; Brazil;
   Guyana; Honduras; Panama; Puerto Rico; Trinidad.
- Wolcott, 1950: 69 *Microcerotermes arboreus*; discussion; distribution; not found in Puerto Rico since reported by Banks 1919: 482.
- Emerson, 1952b: 510 Microcerotermes arboreus; abundance. Panama.
- Snyder, 1956b: 190, 193, 194, 195, 197, 201 *Microcerotermes arboreus*; key; distribution. Haiti; Puerto Rico; Trinidad and Tobago.
- Araujo, 1958b: 224 *Microcerotermes arboreus*; distribution.
- Snyder, 1959a: 318, 321 Microcerotermes arboreus; key; distribution. Venezuela.
- Harris, 1961a: 54, 157, 162 Microcerotermes arboreus; damage; biology; distribution.
- Gonçalves and Silva, 1962: 200 Microcerotermes arboreus; checklist; biology; locality. Brazil.
- Mathur and Thapa, 1962a: 45 Microcerotermes arboreus; collection catalog. Guyana; Venezuela.
- Van Boven, 1969a: 42 *Microcerotermes arboreus*; listed. Guyana.
- Araujo, 1970d: 550 *Microcerotermes arboreus*; biology; distribution.
- Roonwal et al., 1974: 57, 60, fig. 3 Microcerotermes arboreus; wing micrasters.
- Araujo, 1977c: 62 *Microcerotermes arboreus*; catalog. Bolivia; Brazil; Guyana; Haiti; Honduras; Panama; Puerto Rico; Trinidad and Tobago; Venezuela.
- Bignell and Anderson, 1980: 183–188 *Microcerotermes arboreus*; gut pH; oxygen tension; symbionts.
- Roonwal and Verma, 1980a: 258, fig. 3D Microcerotermes arboreus; wing microsculpturing.
- Mill, 1983b: 313 Microcerotermes arboreus; nest site; swarming; locality. Brazil.
- Salick et al., 1983: 1–7 *Microcerotermes arboreus*; ecology; rainforest. Brazil.
- Prestwich, 1984a: table 1 Microcerotermes arboreus; checklist; ecology; defense mode; chemicals; distribution.
- Bandeira and Macambira, 1988: 175-190 Microcerotermes arboreus; ecology; distribution.
- Maes, 1990: 15 *Microcerotermes arboreus*; catalog; synonymy; distribution. Bolivia; Brazil; Guyana; Haiti; Honduras; Nicaragua; Panama; Puerto Rico; Trinidad and Tobago; Venezuela.
- Adams, 1991: 2031-2034 Microcerotermes arboreus; aggression; kin recognition. Panama.
- Nickle and Collins, 1992: 209, 229, fig. 13.63 Microcerotermes arboreus; soldier figured; distribution. Panama.
- Scheffrahn et al., 1994: 216, 220, 223, 224, 225, 234 *Microcerotermes arboreus*; distribution. Cayman Islands; Hispaniola: Haiti; Puerto Rico; Trinidad and Tobago.
- Constantino, 1998b: 203 *Microcerotermes arboreus*; catalog. Brazil; Cayman Islands; Guyana; Hispaniola; Honduras to Bolivia; Puerto Rico; Trinidad and Tobago.
- Fontes, 1998: 366 Microcerotermes arboreus; catalog; distribution. Nicaragua.

- Issa, 2000: 381 Microcerotermes arboreus; checklist; distribution. Venezuela.
- Constantino, 2002c: 358, table 3 Microcerotermes arboreus; checklist; damage; distribution.
   Amazonia; Guianas; Trinidad.
- Scheffrahn et al., 2003b: 33-38 Microcerotermes arboreus; distribution. Trinidad and Tobago.
- Scheffrahn et al., 2003a: 198 Microcerotermes arboreus; remarks; distribution.
- Ensaf et al., 2004: 285 Microcerotermes arboreus; checklist; distribution. French Guiana.
- Scheffrahn et al., 2005c: 551, table 1 Microcerotermes arboreus; checklist; distribution.
   Nicaragua.
- Roisin et al., 2006: 301–311 Microcerotermes arboreus; ecology; canopy forest; species richness; vertical distribution. Panama.
- § DISTRIBUTION: Neotropical Region—Bolivia; Brazil; Cayman Islands; French Guiana; Guyana; Hispaniola; Honduras; Nicaragua; Panama; Puerto Rico; Trinidad and Tobago; Venezuela.

### Microcerotermes baluchistanicus Ahmad, 1955

Microcerotermes baluchistanicus Ahmad, 1955b: 243-245 (imago, soldier, worker), figs. 30-31.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL imago, soldiers, workers, AMNH soldiers, workers, nymphs.

Type locality: Pakistan: Baluchistan: Zhob District: Fort Sandeman.

- Ahmad, 1958: 164, 169 Microcerotermes baluchistanicus; key.
- Ahmad, 1962: 68 Microcerotermes baluchistanicus; distribution. Pakistan.
- Ahmad, 1965: 66 Microcerotermes baluchistanicus; comparisons.
- Prashad et al., 1967: 1, 5, 7, 12–14, figs. 4, 5 *Microcerotermes baluchistanicus*; reproduction of Ahmad's description of imago, soldier; key; reference list; distribution.
- Chaudhry et al., 1972: 44–45, figs. 50, 51 *Microcerotermes baluchistanicus*; synonymy; imago, soldier measurements and figures; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 102 *Microcerotermes baluchistanicus*; distribution. Pakistan.
- Sen-Sarma, 1974: 458 Microcerotermes baluchistanicus; ecology and biogeography. Baluchistan.
- Verma and Thakur, 1977a: 15 *Microcerotermes baluchistanicus*; soldier measurements; distribution. India; Pakistan.
- Parihar, 1978: 41 Microcerotermes baluchistanicus; distribution. India: Rajasthan.
- Chhotani, 1980: 6, 37–38, fig. 12A *Microcerotermes baluchistanicus*; imago, soldier described and figured; distribution; host and pest status; biology and ecology; key. India; Pakistan.
- Thakur, 1980b: 126 Microcerotermes baluchistanicus; ecology; distribution. India; Pakistan.
- Akhtar, 1983: 279, 287, figs. 1I, 2I, 5 *Microcerotermes baluchistanicus*; key; soldier, worker figured; damage; distribution. Pakistan.
- Ahmad, 1986: 17 Microcerotermes baluchistanicus; distribution. Pakistan: Baluchistan, Punjab, Sind.
- Thakur, 1994: 460 Microcerotermes baluchistanicus; ecology; distribution.
- Verma and Rathore, 1995: 23, 26, 28 *Microcerotermes baluchistanicus*; synonymy; key; distribution. India; Pakistan.
- Verma and Purohit, 1996: 238 Microcerotermes baluchistanicus; listed. India: Rajasthan.
- Rathore, 1996: 173 Microcerotermes baluchistanicus; ecology; distribution. India.
- Chhotani, 1997: 154–155, fig. 67 *Microcerotermes baluchistanicus*; imago, soldier described and figured; synonymy; key. India; Pakistan.
- Ahmad and Akhtar, 2002: 55 Microcerotermes baluchistanicus; catalog. India; Pakistan.
- Rathore and Bhattacharyya, 2004: 11, 28, 65, pl. 3: fig. 27 *Microcerotermes baluchistanicus*; key; checklist; soldier figured; distribution. India; Pakistan.
- ♠ DISTRIBUTION: Oriental Region—India: Rajasthan; Pakistan: Punjab, Sind. ◆ Palaearctic Region—Pakistan: Baluchistan.

### Microcerotermes barbertoni Fuller, 1925

#### *Microcerotermes barbertoni* Fuller, 1925b: 225 (soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH soldier, workers, NCIP soldier, workers.

Lectotype designation: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Transvaal: Barberton [25°48′S, 31°03′E].

- Snyder, 1949a: 133 Microcerotermes barbertoni; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 103 Microcerotermes barbertoni; measurements.
- Ruelle, 1975b: 9 Microcerotermes barbertoni; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Microcerotermes beesoni Snyder, 1933

### Microcerotermes beesoni Snyder, 1933b: 12-14 (imago), fig. 7.

Type data: Lectotype: FRI imago [soldiers included as type material by Prashad et al., 1967 have no type status; species was described from imagoes only]. Paralectotypes: FRI imagoes, AMNH imagoes, BMNH imago, USNM No. 44106 imagoes.

LECTOTYPE DESIGNATION: Prashad et al., 1967: 18.

Type Locality: India: Uttarakhand: Haldwani: Chakrata Range.

- Snyder, 1934a: 20 Microcerotermes beesoni; soldier (previously unknown) described. India.
- Margabandhu, 1935: 209 Microtermes [sic] beesoni; locality. India.
- Snyder, 1949a: 133 Microcerotermes beesoni; catalog; reference list. India.
- Lal and Menon, 1953: 42 Microcerotermes beesoni; catalog; reference list. India.
- Roonwal and Pant, 1953: 50-51 Microcerotermes beesoni; collection catalog. India.
- Vishnoi, 1954: 28-29 Microcerotermes beesoni; neotenics; distribution. India: western Himalaya.
- Ahmad, 1958: 167, 171 Microcerotermes beesoni; key.
- Mathur and Sen-Sarma, 1960b: 23, fig. 1, pl. 3 *Microcerotermes beesoni*; synonymy; queen, nest figured; biology; damage; distribution. India.
- Mathur and Sen-Sarma, 1962a: 14, 16 Microcerotermes beesoni; key.
- Mathur and Thapa, 1962a: 45 Microcerotermes beesoni; collection catalog. India.
- Vishnoi, 1962: 107-108 Microcerotermes beesoni; distribution. India.
- Ahmad, 1965: 67 Microcerotermes beesoni; comparisons.
- Sen-Sarma and Chatterjee, 1966a: 1-5 Microcerotermes beesoni; biology. India.
- Sen-Sarma and Chatterjee, 1966b: 267–276 Microcerotermes beesoni; humidity responses.
- Prashad et al., 1967: 6, 12, 14–18, figs. 6–8 *Microcerotermes beesoni*; imago, soldier, worker described and figured; key; reference list; distribution. India.
- Roonwal, 1970c: 348 Microcerotermes beesoni; biology; distribution.
- Roonwal, 1972a: 30 Microcerotermes beesoni; control. India.
- Sannasi et al., 1972: 81-85 Microcerotermes beesoni; juvenile hormone; castes; fungus gardens.
- Sen-Sarma et al., 1973: 92–95 Microcerotermes beesoni; water loss.
- Roonwal et al., 1974: 57, 59, 60, fig. 4 Microcerotermes beesoni; wing micrasters.
- Sen-Sarma, 1974: 426-433, 435-440 Microcerotermes beesoni; ecology and biogeography. India.
- Roonwal, 1975f: 403 Microcerotermes beesoni; sex ratios.
- Sen-Sarma et al., 1975: 2, 12, 37–38, 53, 64, 66–68, 71, pls. 15, 16 *Microcerotermes beesoni*; distribution and ecology; key. India; Pakistan.
- Chhotani, 1977b: 370–371, pl. 8: figs. 1, 2 *Microcerotermes beesoni*; measurements; distribution; biology. India.
- Roonwal and Chhotani, 1977: 58–59, 80, fig. 8 Microcerotermes beesoni; soldier figured; measurements; distribution. Bhutan: India.

- Mishra, 1978: 72 Microcerotermes beesoni; neotenics.
- Roonwal, 1978a: 103, 104 Microcerotermes beesoni; biology; distribution.
- Chhotani and Bose, 1979b: 25 Microcerotermes beesoni; nesting behavior and nests. India.
- Mishra and Sen-Sarma, 1979a: 1–14 Microcerotermes beesoni; nest material analysis.
- Sen-Sarma and Gupta, 1979: 283–285 Microcerotermes beesoni; biology. India.
- Chhotani, 1980: 6, 38–40, fig. 12B Microcerotermes beesoni; imago, soldier described and figured; distribution; host and pest status; biology and ecology; key. Bangladesh; Bhutan; India; Pakistan.
- Roonwal and Verma, 1980a: 258, figs. 4A–B *Microcerotermes beesoni*; wings described; wing microsculpturing.
- Sen-Sarma and Thakur, 1980a: 16–17, fig. 12 *Microcerotermes beesoni*; soldier measured and figured; synonymy; distribution. India; Pakistan.
- Sen-Sarma and Thakur, 1980b: 89, 94–97 Microcerotermes beesoni; ecology. India.
- Verma, 1980: 46 Microcerotermes beesoni; checklist. India: Uttarakhand.
- Sen-Sarma and Mishra, 1981: 47-54 Microcerotermes beesoni; biology. India.
- Thakur and Sen-Sarma, 1981: 41 Microcerotermes beesoni; colony foundation.
- Bose and Das, 1982: 198, 200, 203, 211-212 Microcerotermes beesoni; distribution; key. India.
- Maiti, 1983: 18, 24, 70–74, fig. 21 *Microcerotermes beesoni*; key; synonymy; imago, soldier described and figured; biology; distribution. India.
- Verma, 1984c: 46 Microcerotermes beesoni; associations.
- Bose and Das, 1987: 105, 109 *Microcerotermes beesoni*; key; restricted synonymy; distribution. India; Pakistan.
- Chhotani, 1987: 409 Microcerotermes beesoni; distribution and zoogeography. Indian subcontinent.
- Verma, 1989a: 1-6 *Microcerotermes beesoni*; damage; locality.
- Kumar, 1989: 42–47 *Microcerotermes beesoni*; biology; polyethism.
- Roonwal and Chhotani, 1989: 88 Microcerotermes beesoni; sex ratio discussed.
- Thakur (R.K.), 1989: 31–32, fig. 22 *Microcerotermes beesoni*; key; synonymy; soldier measurements and figure; distribution. Bangladesh; Bhutan; India; Pakistan.
- Verma, 1990: 297, 298 Microcerotermes beesoni; key; distribution. Bangladesh; Bhutan; India;
   Pakistan.
- Kumar and Thakur, 1990b: 210–213 Microcerotermes beesoni; swarming.
- Thakur, 1991: 58, 59, 60 Microcerotermes beesoni; swarming; biology; distribution.
- Thakur (R.K.), 1991: 8, 15, 24, 36 Microcerotermes beesoni; ecology; biology; damage; distribution. Bhutan: India.
- Verma and Rathore, 1993: 107-114 Microcerotermes beesoni; associations.
- Maiti and Saha, 1993: 512, 522 Microcerotermes beesoni; key; distribution. India.
- Verma and Purohit, 1993: 197, 206 *Microcerotermes beesoni*; key; distribution. Bangladesh; Bhutan; India; Pakistan.
- Verma et al., 1993 [215, 218, fig. 4 *Microcerotermes beesoni*; key; soldier measurements; soldier figured; distribution. Bangladesh; Bhutan; India; Pakistan.
- Chhotani, 1995: 10 Microcerotermes beesoni; ecology, distribution. India.
- Verma, 1995a: 48 Microcerotermes beesoni; distribution. India: western Himalaya.
- Verma, 1995c: 219, 226 *Microcerotermes beesoni*; key; distribution. Bangladesh; Bhutan; India; Pakistan.
- Verma, 1995b: 43, 44, 45 Microcerotermes beesoni; damage; distribution.
- Verma and Rathore, 1995: 23, 26, 28 *Microcerotermes beesoni*; synonymy; key; distribution. Pakistan.
- Thakur and Mishra, 1996: 79–80 Microcerotermes beesoni; laboratory culturing.
- Chhotani, 1997: 155–159, figs. 68–69 *Microcerotermes beesoni*; imago, soldier, worker described and figured; synonymy; key. Bangladesh; Bhutan; India; Pakistan.
- Maiti and Saha, 1997: 209 Microcerotermes beesoni; synonymy; biology; distribution. India.
- Tyagi and Sen-Sarma, 1997: 245–246 Microcerotermes beesoni; spermatozoa.

- Bose, 1999: 31, 61–63, fig. 20 *Microcerotermes beesoni*; key; synonymy; measurements; soldier figured; distribution. Bangladesh; Bhutan; India; Pakistan.
- Ahmad and Akhtar, 2002: 55 Microcerotermes beesoni; catalog. Bangladesh; Bhutan; India; Pakistan.
- Maiti et al., 2003: 242 Microcerotermes beesoni; key; synonymy; soldier measurements; biology; distribution. Bangladesh; Bhutan; India; Pakistan.
- Rathore and Bhattacharyya, 2004: 12, 29, 65, pl. 4: fig. 28 *Microcerotermes beesoni*; key; checklist; soldier figured; ecology; distribution. Bangladesh; Bhutan; India; Pakistan.
- Rathore and Tak, 2004a: 59-60 *Microcerotermes beesoni*; synonymy; soldier, worker described; distribution. Bangladesh; Bhutan; India; Pakistan.
- Roy, 2005: 140 Microcerotermes beesoni; checklist; distribution. India.

Microcerotermes championi Snyder, 1933b: 14-15 (imago, soldier, worker), fig. 8.

Type data: Lectotype: FRI imago. Paralectotypes: FRI imagoes, soldier, AMNH imago, soldier, worker, BMNH imago, soldier, worker, USNM No. 44107 imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Prashad et al., 1967: 34.

Type Locality: India: Uttarakhand: Kumaon: Haldwani District.

- Margabandhu, 1935: 209 Microtermes [sic] championi; locality. India.
- Snyder, 1949a: 136 Microcerotermes championi; catalog; reference list [listed as valid]. India.
- Lal and Menon, 1953: 42 Microcerotermes championi; catalog; reference list. India.
- Roonwal and Pant, 1953: 51 Microcerotermes championi; collection catalog. India.
- Ahmad, 1955b: 238, 245–247, figs. 32, 33 *Microcerotermes championi*; imago, soldier described and figured; key; reference list; distribution. Pakistan.
- Ahmad, 1958: 167, 172 Microcerotermes championi; key.
- Ahmad, 1962: 68 Microcerotermes championi; distribution. Pakistan.
- Mathur and Thapa, 1962a: 46 Microcerotermes championi; collection catalog. India.
- Roonwal and Bose, 1964: 25, 27; fig. 13b *Microcerotermes championi*; reference list; type locality; *Microcerotermes championi championi*; soldier postmentum figured; comparisons; distribution. India; Pakistan.
- Prashad et al., 1967: 6, 31–34, figs. 18, 19, 20 *Microcerotermes championi*; imago, soldier, worker described and figured; key; reference list; distribution. India.
- Roonwal and Bose, 1969: 441 *Microcerotermes championi*; reference list; type locality; *Microcerotermes championi championi*; distribution.
- Chaudhry et al., 1972: 45–46, figs. 52, 53 *Microcerotermes championi*; synonymy; imago, soldier measurements and figures; ecology; biology; distribution. Pakistan.
- Roonwal et al., 1973: 25, 26 Microcerotermes championi; imago, soldier measurements; distribution.
- Akhtar, 1974a: 47, 54, 55, 56 *Microcerotermes championi*; comparisons.
- Akhtar, 1974b: 102 Microcerotermes championi; distribution. Bangladesh; India; Pakistan.
- Akhtar, 1975: 150, 151–154, 194, figs. 73, 74 Microcerotermes championi; imago, soldier described and figured; key; distribution. Bangladesh.
- Roonwal, 1975g: 398, 399, 406, fig. 16.11 Microcerotermes championi; key; imago, soldier described; soldier figured; ecology; distribution.
- Sen-Sarma et al., 1975: 2, 12, 38, 54, 64 *Microcerotermes championi*; distribution and ecology; key. India; Pakistan.
- Chhotani, 1977b: 370-371 Microcerotermes championi; synonymized with beesoni.
- Mishra and Sen-Sarma, 1979a: 1-14 Microcerotermes championi; nest material analysis.
- Verma, 1980: 46 Microcerotermes championi; checklist. India: Uttarakhand.
- Bisht and Bisht, 1984: 994–995 Microcerotermes championi; multiple queens; biology.
- Ahmad, 1986: 17 Microcerotermes championi; distribution. Bangladesh; Pakistan: Punjab, Sind.
- Akhtar and Perveen, 1988: 1-13 Microcerotermes championi; caste development.
- Akhtar and Parveen, 1989: 2, 21–23, fig. 10 *Microcerotermes championi*; key; worker described and figured. Pakistan.

Microcerotermes lanceolatus Mathur and Thapa, 1965: 4-5 (imago, soldier, worker), figs. 3a, b.

Type data: Holotype: FRI soldier. Paratypes: FRI imago, soldiers, workers, AMNH soldiers, workers [never received at AMNH].

Type Locality: India: Assam: Central Range: Goalpara Division.

- Chhotani, 1977a: 31 Microcerotermes lanceolatus; distribution. India.
- Chhotani, 1997: 157 Microcerotermes lanceolatus; synonymized with beesoni.
- © DISTRIBUTION: Oriental Region—Bangladesh; Bhutan; India: Assam, Delhi, Gujarat, Haryana, Kerala, Madhya Pradesh, Orissa, Punjab, Sikkim, Uttarakhand, Uttar Pradesh, West Bengal; Pakistan.

### Microcerotermes bequaertianus (Sjöstedt, 1913)

Eutermes (Microcerotermes) bequaertianus Sjöstedt, 1913a: 378-379 (soldier, worker).

Type data: Syntypes: RGMC soldiers, workers, NHRM soldiers, workers, AMNH soldier, worker. Type locality: Congo-Zaire (Belgian Congo): Limumbashi (Elisabethville).

- Hegh, 1922: 434, 534, 589, 702, fig. 96 Microcerotermes Bequaertianus; biology; reference list; distribution; new combination.
- Sjöstedt, 1926d: 194, 198, fig. 41, pl. 8: fig. D Microcerotermes bequaertianus; soldier figured; reference list; key; biology; locality. Congo-Zaire.
- Wheeler, 1936: 233 Microcerotermes bequaertianus; ant ecological relationships.
- Snyder, 1949a: 133 Microcerotermes bequaertianus; catalog; reference list. Congo-Zaire.
- Bouillon, 1958: 199, 206 Microcerotermes bequaertianus; distribution. Congo-Zaire.
- Bouillon and Mathot, 1971: table: no. 104 Microcerotermes bequaertianus; measurements.
- Mathot, 1974: 5 Microcerotermes bequaertianus; collection catalog; types listed.
- Malaisse and Buhendwa, 1982: 201–217 Microcerotermes bequaertianus; ecology; distribution. Congo-Zaire.
- TISTRIBUTION: Ethiopian Region—Congo-Zaire; Ivory Coast (Côte d'Ivoire).

#### *Microcerotermes biroi* (Desneux, 1905)

**Termes (Eutermes) biroi** Desneux, 1905: 369–370 (imago, soldier, worker), fig. 1 [described as "Biroi"].

Type data: Lectotype: TTMB soldier. Paralectotypes: TTMB soldiers, workers, RIB soldiers, workers, AMNH imago, soldiers, workers [not type locality], RIB imagoes, soldiers, workers [not type locality], RIB soldiers, workers [not type locality], TTMB imagoes, soldiers, workers [not type locality], TTMB soldiers, workers [not type locality].

LECTOTYPE DESIGNATION: Watson et al., 1998: 230.

Type locality: Papua New Guinea: Kranket (Graget) Island; see Watson et al., 1998: 230 [type locality fixed by lectotype designation; type locality not specified in Watson et al., 1998, but see Roisin and Pasteels, 2000].

- Silvestri, 1909b: pl. 21: fig. 195 Microcerotermes Biroi; soldier figured; new combination.
- Holmgren, 1911b: 459, 460, pl. 3: figs. 1, 2 *Microcerotermes Biroi*; neotenic queen described; measurements; nest figured; remarks; locality. Papua New Guinea.
- Holmgren, 1912a: 122 Microcerotermes Beroi [sic]; listed. New Guinea.
- Hill, 1927a: 31–33, pl. 1: fig. 29, pl. 5: fig. 161, pl. 8: fig. 162 *Microcerotermes biroi*; imago, soldier described; imago pronotum, wings figured; remarks; locality. Papua New Guinea.

- Hill, 1942: 423–426, figs. 329–330 Microcerotermes biroi; imago, soldier described and figured; synonymy [part; exclude other species synonymized therein]; distribution; biology. Papua New Guinea: New Britain, New Ireland; Samoa; Solomon Islands; "?New Zealand."
- Lever, 1948: 50 Microcerotermes biroi; locality. Solomon Islands.
- Snyder, 1949a: 134 *Microcerotermes biroi*; catalog; reference list; synonymy. New Britain, New Guinea, New Ireland; Samoan Islands; Solomon Islands; ?New Zealand.
- Noirot, 1956: 150 *Microcerotermes biroi*; supplementary reproductives.
- Szent-Ivany, 1956: 84 *Microtermes* [sic; error for *Microcerotermes*] *biroi*; distribution. New Britain.
- Harris, 1957b: 27, 29 Microcerotermes biroi; imago, soldier described; distribution. New Britain; New Guinea: Solomon Islands.
- Harris and Brown, 1958: 737, 739, 740, 744–745, 747, fig. 11, pl. 27: figs. 1–4 *Microcerotermes biroi*; soldier, nest figured; biology; key; locality. Solomon Islands.
- Harris, 1961a: 54, 95, 106, fig. 23 Microcerotermes biroi; soldier figured; damage; distribution.
- Mathur and Thapa, 1962a: 45 *Microcerotermes biroi*; collection catalog. Papua New Guinea; Solomon Islands.
- Gray, 1968: 317 Microcerotermes biroi; checklist; biology; distribution. Papua New Guinea.
- Bess, 1970: 473 Microcerotermes biroi; biology. Papuan Region.
- Roonwal et al., 1974: 57, 59, 60, fig. 5 Microcerotermes biroi; wing micrasters.
- Mathot, 1978: 52 Microcerotermes biroi; collection catalog; types listed.
- Roonwal and Verma, 1980a: 258, fig. 3F Microcerotermes biroi; wing microsculpturing.
- De Baar, 1988: 110 *Microcerotermes biroi*; checklist. Torres Strait: Darnley, Murray (Mer) Islands.
- Watson and Abbey, 1993b: 118, fig. 199 Microcerotermes biroi; distribution map.
- Leponce et al., 1995: 1442–1452 *Microcerotermes biroi*; interspecific competition; nest temperature and orientation. Papua New Guinea.
- Leponce et al., 1996a: 799–817 *Microcerotermes biroi*; intraspecific competition; aggressive behavior; colony fusion.
- Leponce et al., 1996b: 178–184 *Microcerotermes biroi*; reproduction; dispersal; nests. Papua New Guinea.
- Leponce, 1997: 283–289 Microcerotermes biroi; ecology. Papua New Guinea.
- Leponce et al., 1997: 193-203 Microcerotermes biroi; ecology. Papua New Guinea.
- Kevan and Vickery, 1998: 304 Microcerotermes biroi; distribution.
- Watson et al., 1998: 230 *Microcerotermes biroi*; catalog; synonymy; distribution; ecology. Australia; Papua New Guinea: New Britain, New Ireland; Samoa; Solomon Islands; Tonga.
- Roisin and Pasteels, 2000: 140–143, figs. 3, 5–10, 56, pl. 1: fig. A Microcerotermes biroi; imago, soldier, worker described and figured; synonymy; key. Australia; Indonesia; Papua New Guinea; Samoa; Solomon Islands.
- ☼ DISTRIBUTION: Australian Region—Australia: Queensland (NE coast, NE coastal, Torres Strait Islands). ◆ Papuan Region—Indonesia: Irian Jaya; Papua New Guinea: New Britain, New Ireland; Samoa; Solomon Islands; Tonga.

# Microcerotermes biswanathae Maiti and Chakraborty, 1994

Microcerotermes biswanathae Maiti and Chakraborty, 1994: 58-63 (soldier, worker), fig. 5.

TYPE DATA: Holotype: ZSI No. 3176/H11 soldier. Paratypes: ZSI No. 3177/H11 soldier, workers. Type locality: India: Andaman Islands: South Andaman Island, Port Blair, Radio Colony.

© DISTRIBUTION: Oriental Region—Andaman Islands.

#### Microcerotermes boreus Hill, 1927

*Microcerotermes boreus* Hill, 1927a: 83–86 (imago, soldier, worker), pl. 3: figs. 87, 88, pl. 6: fig. 192, pl. 8: fig. 219, pl. 9: fig. 193].

Type data: Lectotype: NMV No. T-10856 soldier. Paralectotypes: NMV imagoes, soldiers, workers, ANIC imagoes, soldiers, NMV imagoes, soldiers, workers [not type locality], AMNH imagoes, soldiers, workers, nymphs, AMNH soldiers, workers [not type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 427 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: Melville Island; see Hill, 1942: 427.

- Hill, 1942: 426–427, fig. 331 *Microcerotermes boreus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 134 Microcerotermes boreus; catalog; reference list. Australia.
- Calaby, 1956a: 91 Microcerotermes boreus; biology; localities. Australia.
- Gay and Calaby, 1970: 430-431 Microcerotermes boreus; biology; distribution. Australia.
- Watson and Gay, 1991: figs. 20.10C, D Microcerotermes boreus; soldier figured.
- Watson and Abbey, 1993b: 118, fig. 200 Microcerotermes boreus; distribution map.
- Sugimoto et al., 1997: 211, 213, 216, 220 *Microcerotermes boreus*; methane and hydrogen emissions. Australia.
- Abensperg-Traun and Perry, 1998: 196, fig. 3 Microcerotermes boreus; biology; ecology; distribution.
- Tayasu et al., 1998: 536–542 *Microcerotermes boreus*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 230 Microcerotermes boreus; catalog; synonymy; distribution; ecology.
   Australia.
- Roisin and Pasteels, 2000: 167 Microcerotermes boreus; imago, soldier discussed; synonymy.
   Australia.
- Dawes-Gromadzki and Spain, 2003: 449–456 *Microcerotermes boreus*; ecology; foraging; seasonality.
- Dawes-Gromadzki, 2003: 397–404 Microcerotermes boreus; ecology; foraging.
- 🔇 Distribution: Australian Region—Australia: Northern Territory, Western Australia.

#### *Microcerotermes bouilloni* Roisin and Pasteels, 2000

*Microcerotermes bouilloni* Roisin and Pasteels, 2000: 159–162 (imago, soldier, worker), figs. 45–50, pl. 1I.

Type data: Holotype: RIB soldier. Paratypes: RIB imagoes, soldiers, workers, RIB imagoes, soldiers, workers [not type locality], RIB imagoes, soldiers, workers [not type locality], RIB imagoes, soldiers, workers [not type locality], ANIC imagoes, soldiers, workers [not type locality], ANIC imagoes, soldiers, workers [not type locality].

Type locality: Papua New Guinea: Port Moresby: savanna next to University of Papua New Guinea campus.

♠ DISTRIBUTION: Australian Region—Australia: Queensland (Torres Strait Islands). ◆ Papuan Region—Papua New Guinea.

### Microcerotermes bouvieri (Desneux, 1904)

Termes bouvieri Desneux, 1904d: 287-288 (imago, soldier, worker) [described as "Bouvieri"].

Type data: Syntypes: MNHP imagoes, soldiers, workers, AMNH imago.

Type locality: Colombia: Mariquita.

- Desneux, 1904b: 41 Termes (Eutermes) Bouvieri; reference list. "Equatorial America."
- Holmgren, 1906: 669 Microcerotermes bouvieri; distribution. South America.
- Holmgren, 1912a: 91, 122 *Microcerotermes bouvieri*; listed; new combination. South America. *Hamitermes* (*Hamitermes*) *Bouvieri*; listed; new combination. South America.
- Light, 1935: 234, 252, fig. 10 *Microcerotermes bouvieri*?; soldier measurements and figure; locality. Mexico.
- Snyder, 1949a: 134 Microcerotermes bouvieri; catalog; reference list. South America; ?Mexico.
- Araujo, 1977c: 62 Microcerotermes bouvieri; catalog. Colombia; Mexico.
- Constantino, 1998b: 203 Microcerotermes bouvieri; catalog. Colombia; ?Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Microcerotermes bouvieri; checklist; diversity; distribution. ?Mexico: Guerrero.
- DISTRIBUTION: Neotropical Region—Colombia; ?Mexico.

### Microcerotermes brachygnathus Silvestri, 1914

Microcerotermes brachygnathus Silvestri, 1914a: 70-71 (soldier, worker), fig. 38.

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, workers.

Type locality: Guinea (French Guinea): Kindia.

- Hegh, 1922: 438, 445, 500, 703, fig. 354 *Microcerotermes brachygnathus*; biology; reference list; distribution.
- Sjöstedt, 1926d: 195, 204 *Microcerotermes brachygnathus*; reference list; key; biology; remarks; locality. Guinea.
- Snyder, 1949a: 135 Microcerotermes brachygnathus; catalog; reference list. Guinea.
- Kemp, 1955: 114, 117, 125 *Microcerotermes brachygnathus*; ecology; distribution based on vegetation zones. Tanzania.
- Bouillon, 1970: 233 Microcerotermes brachygnathus; flight records. Tanzania.
- Bouillon and Mathot, 1971: table: no. 105 Microcerotermes brachygnathus; measurements.
- Ferrar, 1982e: 147–151 *Microcerotermes brachygnathus*; density; biomass; South African savanna.
- Ferrar, 1982b: 129 Microcerotermes brachygnathus; ecology; biology. South Africa.
- Wanyonyi et al., 1984: 4 Microcerotermes brachygnathus; checklist; distribution. Tanzania.
- Nkunika, 1986: 48, 50 Microcerotermes brachygnathus; ecology; distribution. Zambia.
- Sands, 1998: 186, 395, figs. 658, 659, 665 Microcerotermes brachygnathus; gut figured; distribution. Zimbabwe.
- Tistribution: Ethiopian Region—Guinea; South Africa; Tanzania; Zambia; Zimbabwe.

#### Microcerotermes brevior (Desneux, 1905)

Termes biroi brevior Desneux, 1905: 370-371 (imago, soldier, worker).

Type data: Lectotype: TTMB soldier. Paralectotypes: TTMB imagoes, soldiers, workers, RIB imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Roisin and Pasteels, 2000: 146.

Type Locality: Papua New Guinea: Astrolabe Bay: Stephansort.

- Hill, 1927a: 33 Microcerotermes biroi subsp. brevior; locality; new combination. Papua New Guinea.
- Hill, 1942: 423 Microcerotermes biroi subsp. brevior; treated as a synonym of Microcerotermes biroi.
- Snyder, 1949a: 134 *Microcerotermes biroi* subsp. *brevior*; catalog; reference list; listed as a synonym of *M. biroi*. New Guinea.
- Mathot, 1978: 53 Microcerotermes brevior; collection catalog; types listed; cited as a synonym of biroi.
- Roisin and Pasteels, 2000: 146–148, figs. 4, 11–12, 18–21, 57, pl. 1C *Microcerotermes brevior*; stat. rev.; imago, soldier, worker described and figured; synonymy; key. Papua New Guinea.
- DISTRIBUTION: Papuan Region—Papua New Guinea.

### Microcerotermes buettikeri Chhotani and Bose, 1979

Microcerotermes buettikeri Chhotani and Bose, 1979a: 77-80 (imago, soldier, worker), figs. 3, 4.

Type data: Holotype: NHMB imago. Paratypes: NHMB imagoes, soldiers, workers, ZSI imago, soldier, worker.

Type Locality: Saudi Arabia: Wadi Tumair.

- Johnson and Wood, 1980: 279–293 Microcerotermes buettikeri; checklist; ecology; distribution.
- Chhotani and Bose, 1982: 82 Microcerotermes buettikeri; discussion. Saudi Arabia.
- Chhotani and Bose, 1983: 126 Microcerotermes buettikeri; distribution. Arabian Peninsula.
- Chhotani and Bose, 1986: 124 Microcerotermes buettikeri; material listed. Saudi Arabia.
- Badawi et al., 1986a: 416, 418 Microcerotermes buettikeri; distribution. Saudi Arabia.
- Chhotani, 1988: 369 Microcerotermes buettikeri; distribution. Oman.
- Cowie, 1989a: 160, 162, table 1 *Microcerotermes buettikeri*; checklist; biogeography; distribution. North Yemen; Saudi Arabia.
- Chhotani and Bose, 1991: 258, 261, 264 *Microcerotermes buettikeri*; distribution; key. Saudi Arabia.
- Esmaeili and Ghayourfar, 1992: 243 Microcerotermes buettikeri; distribution. Iran.
- Ghayourfar, 1998: 17 Microcerotermes buettikeri; comparisons.
- Ravan and Akhtar, 1998: 9-26 Microcerotermes buettikeri; feeding; ecology; distribution. Iran.
- Ravan and Akhtar, 1999a: 66 Microcerotermes buettikeri; distribution. Iran.
- Faragalla, 2002: 203 Microcerotermes buettikeri; checklist; ecozoogeography. Saudi Arabia.
- Ghayourfar, 2005d: 61 Microcerotermes buettikeri; listed; distribution. Iran.
- Ghayourfar, 2005c: 43 Microcerotermes buettikeri; soldier measurements; comparisons.
- Ghayourfar, 2005a: 219 Microcerotermes buettikeri; distribution. Iran.
- ♠ DISTRIBUTION: Ethiopian Region: Yemen: North Yemen. ◆ Palaearctic Region—Iran; Saudi Arabia.

# Microcerotermes bugnioni Holmgren, 1911

*Microcerotermes bugnioni* Holmgren, 1911c: 203–204 (soldier, worker), pl. 2: fig. S [described as "*Bugnioni*"].

Type data: Syntypes: ZIHS soldiers, workers.

Type Locality: Sri Lanka (Ceylon): Seenigoda Estate, near Ambalangoda.

- Holmgren, 1912a: 122 Microcerotermes Bugnioni; listed. Sri Lanka.
- Holmgren, 1913c: 258–259, pl. 8: figs. 3, 6 *Microcerotermes Bugnioni*; imago, soldier, worker described; imago, soldier figured; key; remarks; distribution. Sri Lanka.
- Bugnion, 1913d: 171 Microcerotermes Bugnioni; antennal articles. Sri Lanka.
- Green, 1913: 11 Microcerotermes bugnioni; biology; locality. Sri Lanka.
- Holmgren, 1913a: 283–284 *Microcerotermes bugnioni*; imago (previously undescribed) described. Sri Lanka.

- Bugnion, 1914f: 185 Microcerotermes Bugnioni; listed; biology. Sri Lanka.
- Holmgren, 1914: 285 Microcerotermes bugnioni; soldier measurments; locality. Sri Lanka.
- Kemner, 1926b: 390-391 Microcerotermes bugnioni; imago, soldier, worker described. Sri Lanka.
- Bathellier, 1927: 180, 242, 273, 325, 326, 330 *Microcerotermes bugnioni*; imago, soldier, worker described; biology; development. Vietnam [identification doubtful].
- Snyder, 1931a: 550 *Microcerotermes bugnioni*; locality. Vietnam [misidentification; probably *remotus*, as this species occurs in China; see Huang et al., 2000].
- Margabandhu, 1934: 709 Microcerotermes bugnioni; annotated reference list; biology.
- Snyder, 1949a: 135 Microcerotermes bugnioni; catalog; reference list. Sri Lanka.
- Lal and Menon, 1953: 43 *Microcerotermes bugnioni*; catalog; systematic and biological reference list. Sri Lanka.
- Roonwal and Pant, 1953: 51 Microcerotermes bugnioni; collection catalog. Sri Lanka.
- Ahmad, 1958: 166, 167 Microcerotermes bugnioni; key.
- Mathur and Thapa, 1962a: 45 Microcerotermes bugnioni; collection catalog. Sri Lanka.
- Prashad et al., 1967: 5, 7, 19–22, figs. 9–11 *Microcerotermes bugnioni*; imago, soldier, worker described and figured; key; reference list; distribution. Sri Lanka.
- Harris, 1968d: 143 Microcerotermes bugnioni; listed.
- Roonwal and Bose, 1970a: 154 Microcerotermes bugnioni; comparisons.
- Roonwal, 1970c: 348 Microcerotermes bugnioni; biology; distribution.
- Sen-Sarma, 1974: 440 Microcerotermes bugnioni; ecology and biogeography. India.
- Morimoto, 1976b: 27 Microcerotermes bugnioni; key; distribution.
- Chhotani, 1980: 6, 40–41, fig. 12C *Microcerotermes bugnioni*; imago, soldier described and figured; distribution; host and pest status; biology and ecology; key. Sri Lanka.
- Roonwal and Verma, 1980a: 258, figs. 4C-E Microcerotermes bugnioni; wing described; wing microsculpturing.
- Chhotani, 1997: 159–162, figs. 70–71 *Microcerotermes bugnioni*; imago, soldier, worker described and figured; synonymy; key. Sri Lanka [China and Vietnam record doubtful].
- Ahmad and Akhtar, 2002: 55, 56 *Microcerotermes bugnioni*; catalog. Sri Lanka [China and Vietnam records doubtful].
- © DISTRIBUTION: Oriental Region—Sri Lanka.

## Microcerotermes cachani Eggleton, 2003

Microcerotermes cachani Eggleton and Davies, 2003: 657, table 8.26 [nom. nov. for Gibbotermes minor Cachan, 1951 (now Microcerotermes minor), a junior secondary homonym of Microcerotermes heimi minor Holmgren, 1914 (now M. minor)].

— Eggleton and Davies, 2003: 657, table 8.26 • *Microcerotermes cachani*; checklist; distribution. Madagascar and associated coastal islands.

Gibbotermes minor Cachan, 1951: 14 (soldier), fig. 25 [name preoccupied by Microcerotermes heimi var. minor Holmgren, 1914 (now elevated to species rank)].

Type data: Syntypes: ISM soldiers, workers (Madagascar: Beloha), ISM soldiers (Madagascar: Mandoto), ISM soldiers, AMNH soldier, workers (Madagascar: Beloha).

Type localities: Madagascar: Beloha, Mandoto, Antsingy.

- Paulian, 1970: 291 *Microcerotermes minor*; elevated to species rank; association; distribution. Madagascar.
- Eggleton and Davies, 2003: 657, table 8.26 *Microcerotermes minor*; checklist; distribution.
   Madagascar and associated coastal islands.
- TISTRIBUTION: Ethiopian Region—Madagascar.

### Microcerotermes cameroni Snyder, 1934

Microcerotermes cameroni Snyder, 1934a: 21-22 (imago, soldier, worker).

Type data: Syntypes: BMNH imagoes, soldiers, workers [Prashad et al., 1967 cited a "holotype" imago in BMNH (repeated by Chhotani, 1997) but did not examine this specimen or in any way distinguish it from the other syntypes in BMNH, so this does not appear to qualify as an inadvertent lectotype designation, and all specimens remain syntypes; a lectotype should be selected from BMNH material], FRI imago, soldiers, USNM No. 50175 imagoes, soldiers, workers, AMNH imagoes, soldier, workers.

Type locality: India: Tamil Nadu: Madras: North Vellore District.

- Snyder, 1949a: 135 Microcerotermes cameroni; catalog; reference list. India.
- Lal and Menon, 1953: 43 Microcerotermes cameroni; catalog; reference list. India.
- Roonwal and Pant, 1953: 51 Microcerotermes cameroni; collection catalog. India.
- Ahmad, 1958: 166, 172 Microcerotermes cameroni; key.
- Becker and Seifert, 1962: 277 Microcerotermes cameroni; nest material chemistry.
- Becker, 1962d: 360–361, figs. 2, 3 *Microcerotermes cameroni*; multiple queens; nest described and figured; distribution. India.
- Becker, 1962c: 147, 150, 160, 161, 162, 163, 164, figs. 6, 7 *Microcerotermes cameroni*; nest figured; ecology; distribution.
- Mathur and Thapa, 1962a: 46 Microcerotermes cameroni; collection catalog. India.
- Mathur and Thapa, 1965: 5, 6 Microcerotermes cameroni; listed.
- Prashad et al., 1967: 5, 7, 27–31, figs. 15, 16 *Microcerotermes cameroni*; imago, soldier, worker described and figured; key; reference list; distribution. India.
- Chatterjee and Thakur, 1968b: 560, 565–566 *Microcerotermes cameroni*; synonymy; soldier measurements; distribution. India.
- Roonwal and Bose, 1970a: 146 Microcerotermes cameroni; comparisons.
- Sannasi, 1970: 153–154 Microcerotermes cameroni; supplementary reproductives.
- Roonwal, 1972a: 30 Microcerotermes cameroni; control. India.
- Akhtar, 1974a: 56 Microcerotermes cameroni; listed.
- Roonwal et al., 1974: 57, 59, 60, fig. 7 Microcerotermes cameroni; wing micrasters.
- Sen-Sarma, 1974: 458 Microcerotermes cameroni; ecology and biogeography. India.
- Sen-Sarma et al., 1975: 2, 13, 53, 64, 71 *Microcerotermes cameroni* [also as *Cameroni*]; distribution and ecology; key. India.
- Roonwal and Verma, 1980a: 258, fig. 3H Microcerotermes cameroni; wing microsculpturing.
- Thakur, 1980b: 126 Microcerotermes cameroni; ecology; distribution. India.
- Maiti, 1983: 24, 74–77, 118, fig. 22 *Microcerotermes cameroni*; key; synonymy; imago, soldier described and figured; biology; distribution. India.
- Thakur, 1984a: 497 Microcerotermes cameroni; checklist; distribution.
- Bose, 1984: 126–128, figs. 93, 94 *Microcerotermes cameroni*; key; synonymy; measurements; imago, soldier figured; distribution; biology. India.
- Thakur, 1989b: 361 Microcerotermes cameroni; distribution. India.
- Thakur (R.K.), 1989: 31, 32, fig. 23 *Microcerotermes cameroni*; key; synonymy; soldier measurements and figure; distribution. India.
- Thakur (R.K.), 1991: 8, 15–16, 24, 36 Microcerotermes cameroni; ecology; biology; damage; distribution. India.
- Maiti and Saha, 1993: 512, 522 Microcerotermes cameroni; key; distribution. India.
- Thakur, 1994: 460 Microcerotermes cameroni; ecology; distribution.
- Verma and Rathore, 1995: 23, 26, 28 Microcerotermes cameroni; synonymy; key; distribution.
   India.
- Rathore, 1996: 173 Microcerotermes cameroni; ecology; distribution. India.
- Chhotani, 1997: 162–165, figs. 72–73 *Microcerotermes cameroni*; imago, soldier, worker described and figured; synonymy; key. India.

- Ahmad and Akhtar, 2002: 56 Microcerotermes cameroni; catalog. India.
- Maiti et al., 2003: 242, 243 *Microcerotermes cameroni*; key; synonymy; soldier measurements; biology; distribution. India.
- Rathore and Tak, 2004a: 60 Microcerotermes cameroni; synonymy; soldier, worker described; distribution. India.
- Rathore and Bhattacharyya, 2004: 12, 29, 65, pl. 4: fig. 29 *Microcerotermes cameroni*; key; checklist; soldier figured; ecology; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Andhra Pradesh, Daman, Gujarat, Karnataka, Kerala, Madhya Pradesh, Sikkim, Tamil Nadu, West Bengal.

#### Microcerotermes cavus Hill, 1942

Microcerotermes cavus Hill, 1942: 451-452 (imago, soldier), fig. 351.

Type data: Holotype: ANIC No. 9129 soldier. Paratypes: ANIC No. 10 3106 soldiers, workers, AMNH soldiers, workers, amnh soldiers, workers [not type locality], AMNH soldiers, worker [not type locality], AMNH soldier [not type locality], AMNH soldier, workers, nymphs [not type locality].

TYPE LOCALITY: Australia: Victoria: Lake Boga, near Swan Hill.

- Hill, 1927a: 83 *Microcerotermes boreus*; localities [Victoria localities = *cavus*].
- Hill, 1942: 451–452, fig. 351 Microcerotermes cavus; imago, soldier described and figured; distribution. Australia.
- Snyder, 1949a: 135 Microcerotermes cavus; catalog; reference list. Australia.
- Ferrar and Watson, 1970: 101 Microcerotermes cavus; checklist; ecology; distribution.
   Australia.
- Roonwal et al., 1974: 57, 60, fig. 8 Microcerotermes cavus; wing micrasters.
- Roonwal and Rathore, 1977: 309 Microcerotermes cavus; wing microsculpturing.
- Roonwal and Verma, 1980a: 258, fig. 3I Microcerotermes cavus; wing microsculpturing.
- Watson and Abbey, 1993b: 119, fig. 201 Microcerotermes cavus; distribution map.
- Watson et al., 1998: 230 Microcerotermes cavus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Queensland, South Australia, Victoria, Western Australia.

### Microcerotermes celebensis Kemner, 1934

*Microcerotermes celebensis* Kemner, 1934b: 163–165 (imago, soldier, worker), fig. 48 [synonymy with *Termes distans* Haviland, 1898 from Celebes incorrect].

Type data: Syntypes: ZMLU imagoes, soldiers, workers (Indonesia: Sulawesi: Goesoengbolo), ZMLU imagoes, soldiers, workers (Indonesia: Sulawesi: Makassar), ZMLU imagoes, soldiers, workers (Indonesia: Sulawesi: Boeton Island), AMNH imago, soldier, workers (Indonesia: Sulawesi: Makassar), FRI imago, workers (Indonesia: Sulawesi: Makassar).

Type localities: Indonesia: Sulawesi (Celebes): Boeton Island, Goesoengbolo, Makassar.

- Snyder, 1949a: 135 Microcerotermes celebensis; catalog; reference list. Sulawesi.
- Noirot, 1956: 150 Microcerotermes celebensis; supplementary reproductives.
- Ahmad, 1958: 165, 172 Microcerotermes celebensis; key.
- Mathur and Thapa, 1962a: 46 Microcerotermes celebensis; collection catalog. Indonesia.
- Ahmad, 1965: 67 Microcerotermes celebensis; listed.
- Roonwal and Maiti, 1966: 98 *Microcerotermes celebensis*; comparisons.

- Roonwal and Bose, 1970a: 146 Microcerotermes celebensis; comparisons.
- Roonwal, 1970c: 348 Microcerotermes celebensis; biology; distribution.
- Akhtar, 1974a: 56 Microcerotermes celebensis; comparisons.
- Morimoto, 1976b: 29, fig. 56 Microcerotermes celebensis; key; soldier figured; distribution.
- Gathorne-Hardy et al., 2000b: 350 Microcerotermes celebensis; checklist; ecology; distribution. Indonesia: Sulawesi.
- Ahmad and Akhtar, 2002: 56 Microcerotermes celebensis; catalog. Indonesia: Sulawesi.
- © DISTRIBUTION: Oriental Region—Indonesia: Sulawesi (Celebes).

### Microcerotermes chaudhryi Akhtar, 1974

Microcerotermes chaudhryi Akhtar, 1974a: 46-49 (soldier, worker), fig. 13.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, ZUPL soldiers, workers, ZUPL soldiers, workers, FRIP soldier, worker [locality of these specimens could be type locality or either of two others given by Akhtar, 1974a], FESG soldier, worker [locality of these specimens could be type locality or either of two others given by Akhtar, 1974a], AMNH soldier, worker [never received], BMNH soldier, worker [locality of these specimens could be type locality or either of two others given by Akhtar, 1974a].

Type Locality: Pakistan: North West Frontier Province: Hangu.

- Chaudhry et al., 1972: 46 *Microcerotermes chaudhryi*; nomen nudum; biology; types mentioned; distribution. Pakistan.
- Akhtar, 1974b: 102 Microcerotermes chaudhryi; distribution. Pakistan.
- Ahmad, 1986: 17 *Microcerotermes chaudhryi*; distribution. Pakistan: North West Frontier Province, Punjab.
- Chhotani, 1997: 165–166, fig. 74 *Microcerotermes chaudhryi*; soldier described and figured; synonymy; key. Pakistan.
- Ghayourfar and Pakdel, 2000: 379 Microcerotermes chaudhryi; characters; locality. Iran.
- Ahmad and Akhtar, 2002: 56 *Microcerotermes chaudhryi*; catalog. Pakistan, Baluchistan, North West Frontier Province.
- ⚠ ③ DISTRIBUTION: Oriental Region—Pakistan. Palaearctic Region—Iran; Pakistan: Baluchistan.

#### Microcerotermes chhotanii Ghayourfar, 1998

Microcerotermes chhotanii Ghayourfar, 1998: 12, 15-17 (soldier, worker), fig. 3.

Type data: Holotype: HMIM soldier, worker [both soldier and worker are designated as "holotype"; a lectotype specimen of one or the other will obviously have to be selected]. Paratypes: HMIM soldiers, workers.

Type Locality: Iran: Kermanshah Province: Ghasr-e-Shirin.

- Ghayourfar, 1995: 77 *Microcerotermes chhotanii*; nomen nudum; proposed as n. sp. with no characters mentioned. Iran: Gilane Gharb.
- Ghayourfar, 2005a: 219 Microcerotermes chhotani [sic]; distribution. Iran.
- Ghayourfar, 2005c: 43 *Microcerotermes chhotanii*; soldier measurements; comparisons.
- ♠ DISTRIBUTION: Palaearctic Region—Iran.

## Microcerotermes choanensis Fuller, 1925

Microcerotermes choanensis Fuller, 1925b: 231–233 (imago, soldier).

TYPE DATA: Lectotype: NCIP soldier. Paralectotypes: AMNH imago, soldiers, workers, NCIP imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Pretoria: Daspoort [25°45′S, 28°15′E].

- Wasmann, 1911c: 116 *Microcerotermes parvus*; locality [part; Bothaville = *choanensis*].
- Silvestri, 1914a: 69 Microcerotermes zuluensis [part]; soldier = choanensis.
- Hegh, 1922: 702 Microcerotermes zuluensis [part]; imago; distribution.
- Snyder, 1949a: 136 *Microcerotermes choanensis*; catalog; reference list. Ghana; Guinea; Senegal; South Africa.
- Bouillon and Mathot, 1971: table: no. 106 Microcerotermes choanensis; measurements.
- Ruelle, 1975b: 9 Microcerotermes choanensis; types listed.
- ♠ DISTRIBUTION: Ethiopian Region—South Africa.

### Microcerotermes collinsi Fuller, 1925

Microcerotermes collinsi Fuller, 1925b: 221–222 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: NCIP imagoes, soldiers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Zululand: Mbazwane Swamp [32°20′S, 27°30′E].

- Holmgren, 1913d: 365, 366 Microcerotermes parvus [misidentification]; locality. South Africa.
- Snyder, 1949a: 136 Microcerotermes collinsi; catalog; reference list. South Africa.
- Bouillon and Mathot, 1971: table: no. 107 Microcerotermes collinsi; measurements.
- Ruelle, 1975b: 9 *Microcerotermes collinsi*; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

#### *Microcerotermes crassus* Snyder, 1934

Microcerotermes crassus Snyder, 1934a: 22-23 (soldier, worker).

Type data: Syntypes: BMNH soldiers, workers, FRI soldiers, worker, USNM No. 50176 soldiers, workers, AMNH soldiers, workers.

Type Locality: Myanmar: Meitkyina.

- Snyder, 1949a: 136 Microcerotermes crassus; catalog; reference list. Myanmar.
- Lal and Menon, 1953: 43 Microcerotermes crassus; catalog; reference list. Myanmar.
- Roonwal and Pant, 1953: 51 Microcerotermes crassus; collection catalog. Myanmar.
- Ahmad, 1958: 170 Microcerotermes crassus; key.
- Mathur and Thapa, 1962a: 46 Microcerotermes crassus; collection catalog. Myanmar.
- Krishna, 1965a: 1, 2, 6–8 fig. 2 Microcerotermes crassus; imago described and figured; soldier measurements; reference list; locality. Myanmar.
- Ahmad, 1965: 64, 68–69, 109, figs. 66, 67 *Microcerotermes crassus*; imago, soldier described and figured; key; synonymy; distribution. Thailand.
- Prashad et al., 1967: 5, 7, 35–39, figs. 21–23 *Microcerotermes crassus*; imago, soldier, worker described and figured; key; reference list; distribution. Myanmar.
- Harris, 1968d: 146 Microcerotermes crassus; locality. Thailand; Vietnam.
- Chaudhry et al., 1972: 46–48, figs. 54, 55 *Microcerotermes crassus*; synonymy; imago, soldier measurements and figures; ecology; biology; distribution. Bangladesh.

- Morimoto, 1973a: 64, 77 Microcerotermes crassus; distribution. Thailand.
- Roonwal et al., 1974: 57, 60, 61, fig. 9 Microcerotermes crassus; wing micrasters.
- Sen-Sarma, 1974: 458 *Microcerotermes crassus*; ecology and biogeography. China; Myanmar; Thailand.
- Akhtar, 1975: 150, 151, 155–158, 194, figs. 75, 76 *Microcerotermes crassus*; imago, soldier described and figured; key; distribution. Bangladesh.
- Sen-Sarma et al., 1975: 4, 13, 38, 54, pl. 10 Microcerotermes crassus; distribution and ecology; key. Bangladesh; India; Myanmar.
- Morimoto, 1976b: 29, fig. 58 Microcerotermes crassus; key; soldier figured; distribution.
- Sen-Sarma and Thakur, 1979: 5, 16 Microcerotermes crassus; key; distribution. India; Myanmar.
- Lahiri and Ghosh, 1980: 66 Microcerotermes crassus; synonymy; distribution. India; Myanmar.
- Roonwal and Verma, 1980a: 258, fig. 3J Microcerotermes crassus; wing microsculpturing.
- Li, 1982: 443–444, 449 *Microcerotermes crassus*; soldier described; distribution. China: Hainan Island.
- Watanabe et al., 1984: 45, 48, 50, 51, 52, 53, figs. 1C, 2 *Microcerotermes crassus*; nest figured; ecology; population composition; distribution. Thailand.
- Ahmad, 1986: 18 Microcerotermes crassus; distribution. Bangladesh.
- Gao and Lam, 1986: 82 Microcerotermes crassus; checklist; distribution. China.
- Chhotani, 1987: 409 Microcerotermes crassus; distribution and zoogeography. Oriental Region.
- Tho, 1992: 92, 199, 206, fig. 36B *Microcerotermes crassus*; soldier described and figured. Malaysia.
- Chhotani, 1997: 166–169, figs. 75–76 *Microcerotermes crassus*; imago, soldier, worker described and figured; synonymy; key. Bangladesh; China; India; Myanmar; Thailand; Vietnam.
- Bose, 1999: 31 Microcerotermes crassus; key.
- Hua, 2000: 27 Microcerotermes crassus; listed. China: Hainan, Yunnan.
- Huang et al., 2000: 550-551 Microcerotermes crassus; soldier described; key; synonymy. China.
- Maiti et al., 2000: 296, 301 Microcerotermes crassus; listed; key; distribution. India; Myanmar.
- Inoue et al., 2001b: 41-52 Microcerotermes crassus; biomass; feeding; distribution. Thailand.
- Ahmad and Akhtar, 2002: 56 *Microcerotermes crassus*; catalog. Bangladesh; China; India; Mayanmar [sic]; Thailand; Vietnam.
- Klangkaew et al., 2002: 485–493 Microcerotermes crassus; abundance; nest density; distribution.
   Thailand.
- Tayasu et al., 2002b: 195-206 Microcerotermes crassus; carbon isotopes; feeding. Thailand.
- Takematsu et al., 2003: 587–596, figs. 2, 3A *Microcerotermes crassus*; nest variation; soldier, nest figured. Thailand.
- Yamada et al., 2003: 569–585 *Microcerotermes crassus*; nest density, population; caste proportion. Thailand.
- Gathorne-Hardy, 2004: 119 Microcerotermes crassus; checklist; distribution. Malaysia: Mainland.
- Maiti et al., 2004: 156 Microcerotermes crassus; synonymy; soldier measurements; biology; distribution. Bangladesh; China; India; Myanmar; Thailand; Vietnam.
- Ohkuma et al., 2004: 701-710 Microcerotermes crassus; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 363 Microcerotermes crassus; checklist; distribution. Thailand.
- Houseman, 2005: 237 Microcerotermes crassus; distribution. Thailand.
- Inoue et al., 2005: 671–678 *Microcerotermes crassus*; soldier measurements; COII sequences; nest. Thailand.
- Hyodo et al., 2006: 385–393 Microcerotermes crassus; diet; age; carbon and nitrogen isotope ratios. Thailand.
- Inoue et al., 2006: 611, table 1 Microcerotermes crassus; checklist; feeding groups; ecology; distribution. Thailand.
- Yamada et al., 2006: 75-83 Microcerotermes crassus; nitrogen fixation. Thailand.
- Yamada et al., 2007: 3768–3777 *Microcerotermes crassus*; *nif*H; nitrogen fixation; symbiosis. Thailand.

Microcerotermes burmanicus Ahmad, 1947: 6 (soldier, worker), fig. 6.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldiers, workers, ZUPL soldiers, workers, USNM soldiers, workers, FRI soldiers, workers, ZSI worker.

Type locality: Myanmar (Burma): Rangoon: Pagan Road.

- Snyder, 1949a: 135 Microcerotermes burmanicus; catalog. Myanmar.
- Lal and Menon, 1953: 43 Microcerotermes burmanicus; catalog; reference list. Myanmar.
- Ahmad, 1958: 171 Microcerotermes burmanicus; key.
- Mathur and Sen-Sarma, 1958a: 4–6, pl. 2 *Microcerotermes burmanicus*; synonymy; imago (previously unknown) described and figured. Myanmar.
- Mathur and Thapa, 1962a: 46 Microcerotermes burmanicus; collection catalog. Myanmar.
- Tsai and Chen, 1964b: 79, 81–82, fig. 33 *Microcerotermes burmanicus*; soldier described and figured; key. China.
- Tsai and Chen, 1964a: 25, 26, 27, 30, 35 Microcerotermes burmanicus; distribution.
- Yu and Ping, 1964a: 16 Microcerotermes burmanicus; listed.
- Krishna, 1965a: 6 Microcerotermes burmanicus; synonymized with crassus.
- Sen-Sarma, 1966b: 202 Microcerotermes burmanicus; listed.
- Prashad et al., 1967: 5, 7, 23–26, figs. 12–14 *Microcerotermes burmanicus*; imago, soldier, worker described and figured; key; reference list; distribution. Myanmar.
- Roonwal et al., 1974: 57, 59, 60, fig. 6 Microcerotermes burmanicus; wing micrasters.
- Roonwal and Verma, 1980a: 258, fig. 3G Microcerotermes burmanicus; wing microsculpturing.
- © DISTRIBUTION: Oriental Region—Bangladesh; China: Hainan, Yunnan; India: Manipur, Tripura; Malaysia: Mainland; Myanmar (Burma); Thailand; Vietnam.

### Microcerotermes cupreiceps Roisin and Pasteels, 2000

*Microcerotermes cupreiceps* Roisin and Pasteels, 2000: 151–153 (imago, soldier, worker), figs. 27–30, 57, pl. 1E.

Type data: Holotype: RIB soldier. Paratypes: RIB imagoes, soldiers, workers, RIB imagoes, soldiers, workers [not type locality], RIB imagoes, soldiers, workers [not type locality]. Type locality: Papua New Guinea: Central Province: Varirata National Park.

© DISTRIBUTION: Papuan Region—Papua New Guinea.

# Microcerotermes cylindriceps Wasmann, 1902

Microcerotermes cylindriceps Wasmann, 1902d: 121-122 (soldier, worker), pl. 4: fig. 4.

Type data: Lectotype: NHMM soldier. Paralectotypes: NHMM soldier, worker.

LECTOTYPE DESIGNATION: Van Boven, 1969a: 42 (specimen labeled by Emerson in 1957 selected as lectotype).

Type locality: Sri Lanka (Ceylon): Pankulam.

- Wasmann, 1902b: 79 Microcerotermes cylindriceps; nomen nudum; checklist. Sri Lanka.
- Desneux, 1904b: 41 Termes (Eutermes) cylindriceps; reference list; new combination. Sri Lanka.
- Holmgren, 1911c: 203, 204, 212 Microcerotermes cylindriceps; key; remarks; locality. Sri Lanka.
- Holmgren, 1912a: 122 Microcerotermes cylindriceps; listed. Sri Lanka.
- Holmgren, 1913c: 260 *Microcerotermes cylindriceps*; soldier, worker described; key; distribution.
- Bugnion, 1913d: 170 Microcerotermes cylindriceps; antennal articles. Sri Lanka.
- Green, 1913: 12 *Microcerotermes cylindriceps*; catalog.

- Bugnion, 1914f: 185 Microcerotermes cylindriceps; listed. Sri Lanka.
- Holmgren, 1914: 286 Microcerotermes cylindriceps; locality. Sri Lanka.
- Margabandhu, 1934: 709 Microcerotermes cylindriceps; annotated reference list; biology.
- Snyder, 1949a: 136 Microcerotermes cylindriceps; catalog; reference list. Sri Lanka.
- Lal and Menon, 1953: 44 *Microcerotermes cylindriceps*; catalog; systematic and biological reference list. Sri Lanka.
- Ahmad, 1958: 168 Microcerotermes cylindriceps; key.
- Prashad et al., 1967: 7, 39–40 *Microcerotermes cylindriceps*; Wasmann's description of soldier translated; key; reference list; distribution. Sri Lanka.
- Van Boven, 1969a: 42 Microcerotermes cylindriceps; types listed.
- Sen-Sarma, 1974: 458 Microcerotermes cylindriceps; ecology and biogeography. Sri Lanka.
- Chhotani, 1997: 169–171, fig. 77 *Microcerotermes cylindriceps*; soldier, worker described and figured; synonymy; key. Sri Lanka.
- Ahmad and Akhtar, 2002: 56 Microcerotermes cylindriceps; catalog. Sri Lanka.
- DISTRIBUTION: Oriental Region—Sri Lanka (Ceylon).

### Microcerotermes dammermani Roonwal and Maiti, 1966

Microcerotermes dammermani Roonwal and Maiti, 1966: 93-98 (soldier, worker), fig. 5-6.

TYPE DATA: Holotype: ZSI No. 4381/H8 soldier. Paratypes: ZSI No. 4382/H8 soldiers, workers, MZB soldiers, workers, FRI soldier, worker, AMNH soldier, worker.

Type locality: Indonesia: Riouw (Rhio) Archipelago: Durian [ca. 01°N, 104°E].

- Somadikarta et al., 1968: 165 *Microcerotermes dammermani*; types listed.
- Tho, 1992: 206 Microcerotermes dammermani; listed.
- Gathorne-Hardy, 2004: 120 *Microcerotermes dammermani*; checklist; distribution. Indonesia: Durian, in Rhio Archipelago.
- ♠ DISTRIBUTION: Oriental Region—Indonesia: Sumatra.

#### Microcerotermes danieli Roonwal and Bose, 1970

Microcerotermes danieli Roonwal and Bose, 1970a: 141-146 (soldier, worker), figs. 9-10.

TYPE DATA: Holotype: ZSI No. 3563/H8 soldier. Paratypes: ZSI Nos. 3564/H8, 3565/H8 soldiers, workers, FRI soldier, worker, AMNH soldier, worker.

Type locality: India: Andaman Islands: South Andaman Island: Port Blair, near streamlet near Phoenix Bay.

- Sen-Sarma et al., 1975: 65 Microcerotermes deniali [sic]; list. India.
- Chhotani, 1977a: 31 Microcerotermes danieli; distribution. India.
- Bose, 1980: 101 Microcerotermes danieli; distribution. India: Andaman Islands.
- Chhotani, 1980: 6, 41, fig. 12D Microcerotermes danieli; soldier figured; key. India.
- Maiti and Chakraborty, 1994: 10, 63–65 *Microcerotermes danieli*; key; synonymy; imago (previously unknown), soldier measurements; distribution. India: Andaman Islands.
- Chhotani, 1997: 172–174, figs. 78–79 *Microcerotermes danieli*; soldier, worker described and figured; synonymy; key. India: Andaman and Nicobar Islands.
- Ahmad and Akhtar, 2002: 56 Microcerotermes danieli; catalog. India: Andaman Islands.
- Chandra and Rajan, 2004: 26 *Microcerotermes danieli*; synonymy; distribution. India: Andaman Islands
- © DISTRIBUTION: Oriental Region—India: Andaman Islands and Nicobar Islands.

### Microcerotermes dashlibronensis Ghayourfar, 2005

Microcerotermes dashlibronensis Ghayourfar, 2005d: 62, 64 (soldier), fig. 1.

TYPE DATA: Holotype: HMIM soldier. Paratype: HMIM worker.

Type locality: Iran: Golestan Province: Dashlibron [37°40′N, 54°30′E].

TISTRIBUTION: Palaearctic Region—Iran.

## Microcerotermes debilicornis Holmgren, 1913

Microcerotermes debilicornis Holmgren, 1913d: 365-366 (soldier, worker).

Type data: Syntypes: NHMG soldiers, workers, AMNH soldier, workers. Type locality: South Africa: Zululand: Mtewa: Somkhele, Lake Sibayi.

- Hegh, 1922: 445, 703 Microcerotermes debilicornis; biology; reference list; distribution.
- Fuller, 1925b: 233 Microcerotermes debilicornis; remarks; locality. South Africa.
- Sjöstedt, 1926d: 194, 199 Microcerotermes debilicornis; reference list; key; locality. South Africa.
- Snyder, 1949a: 136 Microcerotermes debilicornis; catalog; reference list. South Africa.
- Bouillon and Mathot, 1971: table: no. 108 Microcerotermes debilicornis; measurements.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Microcerotermes depokensis Kemner, 1932

Microcerotermes depokensis Kemner, 1932c: 140-143 (imago, soldier, worker), fig. 5.

Type data: Syntypes: ZMLU imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, FRI imago, workers.

Type locality: Indonesia: Java: Depok, near Buitenzorg.

- John, 1925: 418 *Microcerotermes distans*; locality [Java record = *depokensis*].
- Kemner, 1929: 1111, figs. 2-4 Microcerotermes depokensis; nest described and figured.
- Kemner, 1934b: 10, 23, 158, 159, 220, figs. 46, 47 *Microcerotermes depokensis*; erroneously described as n.sp; imago, soldier described and figured; key. Indonesia: Java.
- Snyder, 1949a: 137 Microcerotermes depokensis; catalog; reference list. Indonesia: Java, Sumatra.
- Ahmad, 1958: 165, 171 Microcerotermes depokensis; key.
- Mathur and Thapa, 1962a: 46 Microcerotermes depokensis; collection catalog. Indonesia.
- Roonwal, 1970c: 349 Microcerotermes depokensis; biology; distribution.
- Akhtar, 1974a: 49 Microcerotermes depokensis; comparisons.
- Roonwal et al., 1974: 57, 60, 61, fig. 10 Microcerotermes depokensis; wing micrasters.
- Morimoto, 1976b: 29, fig. 57 Microcerotermes depokensis; key; soldier figured; distribution.
- Roonwal and Verma, 1980a: 259, fig. 3K Microcerotermes depokensis; wing microsculpturing.
- Tho, 1992: 206 Microcerotermes depokensis; listed.
- Ahmad and Akhtar, 2002: 56 Microcerotermes depokensis; catalog. Indonesia: Java.
- Gathorne-Hardy, 2004: 120 Microcerotermes depokensis; checklist; distribution. Indonesia: Java.
- Belyaeva and Dovgobrod, 2006: fig. 5c Microcerotermes depokensis; female genitalia figured.
- © DISTRIBUTION: Oriental Region—Indonesia: Java.

### Microcerotermes distans (Haviland, 1898)

**Termes distans** Haviland, 1898: 401–402 (imago, soldier, worker) [Sulawesi (Celebes) record only = distans].

Type data: Syntypes: CUMZ No. 578 imagoes, soldiers, workers (Indonesia: Sulawesi: Menado), CUMZ imagoes, soldiers, workers (Philippines: Sulu Islands), CUMZ imagoes, soldiers, workers (Malaysia: Borneo, Sarawak [Borneo material = duplex], AMNH imagoes, soldiers, workers (Indonesia: Sulawesi: Menado), FRI soldier, worker (Malaysia: Borneo, Sarawak [Borneo material = duplex]).

Type localities: Indonesia: Sulawesi (Celebes): Menado, ?Philippines: Sulu Islands [= *duplex*]; ?Malaysia: Borneo, Sarawak [= *duplex*].

- Desneux, 1904b: 41 Termes (Eutermes) distans; reference list. Sulawesi [not Borneo].
- Holmgren, 1911b: 459 *Microcerotermes distans*; remarks; new combination.
- Holmgren, 1912a: 121, 122, fig. 87, pl. 4: figs. 29, 30 *Microcerotermes distans*; listed; soldier mandibles figured [Sulawesi (Celebes) only; exclude Borneo, Sulu Islands fide Emerson].
- Holmgren, 1913c: 263–265, pl. 8: figs. 1, 11 *Microcerotermes distans*; imago, soldier, worker described; imago, soldier figured; key; remarks; distribution. [Sulawesi (Celebes) only; exclude Borneo, Sulu Islands fide Emerson].
- Bugnion, 1913d: 171 *Microcerotermes distans*; antennal articles. Indonesia: Sulawesi [Sulu Islands = *duplex*; Malaysia: Borneo = *duplex*].
- Light, 1921a: 254 *Termes distans*; distribution. Philippines: Sulu Island [= *duplex*; Indonesia: Sulawesi only].
- Light, 1930f: 20 *Microcerotermes distans*; listed. Philippines [= duplex].
- Snyder, 1949a: 137 *Microcerotermes distans*; catalog; reference list; synonymy. Malaya: Borneo, Sulu Islands [= *duplex*].
- Ahmad, 1958: 164, 172 Microcerotermes distans; key.
- Mathur and Thapa, 1962a: 47 Microcerotermes distans; collection catalog. Malaysia.
- Harris, 1966a: 13 Microcerotermes distans; Haviland's types and type localities listed.
- Morimoto, 1973a: 64, 77, fig. 6 Microcerotermes distans; distribution. Thailand.
- Morimoto, 1976b: 29, fig. 54 Microcerotermes distans; key; soldier figured; distribution.
- Thapa, 1982: 164–167, pl. 55 *Microcerotermes distans*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia; Philippines.
- Chhotani, 1987: 409 Microcerotermes distans; distribution and zoogeography. Oriental Region.
- Tho, 1992: 93, 199, 206 *Microcerotermes distans*; listed; possible error by Harris, 1957 for *dubius* (= *duplex*); if true then all peninsular Malaysia records of *distans* = *duplex*.
- Eggleton et al., 1999b: 1795, table 1 Microcerotermes distans; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy et al., 2000b: 350 *Microcerotermes distans*; checklist; ecology; distribution. Indonesia: Sulawesi.
- Roisin and Pasteels, 2000: 143 Microcerotermes distans; synonymy. Indonesia.
- Ahmad and Akhtar, 2002: 56 Microcerotermes distans; catalog. Malaysia: Mainland, Sarawak.
- Yu et al., 2002: 4, 12–13, fig. 8 *Microcerotermes distans*; key; soldier described and figured. China: Shenzen (intercepted).
- Gathorne-Hardy, 2004: 120 Microcerotermes distans; checklist; distribution. Malaysia: Mainland, Borneo [Sarawak].
- Sornnuwat et al., 2004: 363 Microcerotermes distans; checklist; distribution. Thailand.
- Houseman, 2005: 237 Microcerotermes distans; distribution. Thailand.
- Belyaeva and Dovgobrod, 2006: fig. 5e Microcerotermes distans; female genitalia figured.
- © DISTRIBUTION: Oriental Region—Indonesia: Sulawesi (Celebes); Malaysia: ?Mainland, ?Sabah, ?Sarawak; ?Philippines; Thailand.

### Microcerotermes distinctus Silvestri, 1909

Microcerotermes distinctus Silvestri, 1909b: 303–304 (soldier, worker), pl. 20: figs. 175–181.

Type data: Lectotype: ZMH soldier. Paralectotypes: ZMH workers.

LECTOTYPE DESIGNATION: Hill, 1942: 429 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6); Weidner 1966: 221 points out that the "holotype" is in ZMH, not in NHRM]. Type locality: Australia: Western Australia: Coolgardie.

- Holmgren, 1911b: 461 Microcerotermes distinctus; soldier measurements.
- Holmgren, 1912a: 122 Microcerotermes distinctus; listed. Australia.
- Mjöberg, 1920: 101, 102 Microcerotermes distinctus; key; locality. Australia.
- Hill, 1927a: 64–67, pl. 2: figs. 64–66, pl. 5: fig. 181, pl. 8: fig. 182 *Microcerotermes distinctus*; imago (previously unknown), soldier described and figured; locality. Australia.
- Hill, 1942: 428–429, figs. 332, 333 *Microcerotermes distinctus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 137 Microcerotermes distinctus; catalog; reference list. Australia.
- Ratcliffe et al., 1952: 115 Microcerotermes distinctus; characters; distribution.
- Roonwal and Pant, 1953: 51 Microcerotermes distinctus; collection catalog. Australia.
- Weidner, 1955e: 249–250 Microcerotermes distinctus; types listed; incorrect lectotype designation of Hill, 1942: discussed.
- Mathur and Thapa, 1962a: 47 Microcerotermes distinctus; collection catalog. Australia.
- Weidner, 1966a: 221 Microcerotermes distinctus; types listed.
- Ferrar and Watson, 1970: 101 Microcerotermes distinctus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 431 Microcerotermes distinctus; biology; distribution. Australia.
- Roonwal et al., 1974: 57, 60, 63, fig. 11 Microcerotermes distinctus; wing micrasters.
- Watson et al., 1978b: 102, 105 Microcerotermes distinctus; distribution; ecology.
- Roonwal and Verma, 1980a: 259, fig. 3L Microcerotermes distinctus; wing microsculpturing.
- Perry et al., 1985: 75, fig. 6C Microcerotermes distinctus; characters; soldier figured; biology.
- Abensperg-Traun and de Boer, 1990: 226 Microcerotermes distinctus; checklist; ecology; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Microcerotermes distinctus; foraging; defense.
- Watson and Abbey, 1993b: 119, fig. 202 Microcerotermes distinctus; distribution map.
- Watson et al., 1998: 230–231 *Microcerotermes distinctus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Victoria, Western Australia, Groote Eylandt.

#### Microcerotermes diversus Silvestri, 1920

Microcerotermes diversus Silvestri, 1920a: 477-479 (imago, soldier, worker), pl. 20.

TYPE DATA: Syntypes: IEA imagoes, soldiers, workers, AMNH imago, soldier, workers. Type locality: Iraq (Mesopotamia): Al Amarah (Amara).

- Silvestri, 1923c: 261 Microcerotermes diversus; locality. Iraq.
- Snyder, 1949a: 137 Microcerotermes diversus; catalog; reference list. Iraq.
- Harris, 1954a: 127 Microcerotermes diversus; comparisons.
- Weber, 1954: 182 Microcerotermes diversus; distribution. Iraq.
- Field, 1956: 488 Microcerotermes diversus; locality. Iraq: Baghdad.
- Harris, 1957c: 428 *Microcerotermes diversus*; distribution. Iraq; Yemen.
- Weidner, 1958: 14 Microcerotermes diversus; characters; locality. Iraq.
- Ayoub, 1959: 429-432 Microcerotermes diversus; biology; behavior; distribution. Saudi Arabia.

- Weidner, 1960a: 60, 67, 68, fig. 11 *Microcerotermes diversus*; synonymy; soldier figured; key; distribution. Iran; Iraq.
- Harris, 1961a: 54, 99, 100, 101, 105, 107, 157, 158, pls. 36, 45 *Microcerotermes diversus*; damage; distribution.
- Mathur and Thapa, 1962a: 47 Microcerotermes diversus; collection catalog. Iraq.
- Harris, 1964c: 479 Microcerotermes diversus; listed.
- Spaeth, 1964: 30, 32 Microcerotermes diversus; listed.
- Harris, 1970b: 308 Microcerotermes diversus; distribution. Arabian Peninsula; Iran; Iraq.
- Roonwal et al., 1974: 57, 60, 64, fig. 12 Microcerotermes diversus; wing micrasters.
- Abdul Rassoul, 1976: 32 Microcerotermes diversus; checklist. Iraq.
- Roonwal, 1977d: fig. 4a Microcerotermes diversus; wing microsculpturing; wing figured.
- Belyaeva, 1979: 42, 44, figs. 4A-G Microcerotermes diversus; measurements; imago, soldier figured.
- Johnson and Wood, 1980: 279–293 Microcerotermes diversus; checklist; ecology; distribution.
- Roonwal and Verma, 1980a: 259, fig. 3M Microcerotermes diversus; wing microsculpturing.
- Chhotani and Bose, 1983: 126 Microcerotermes diversus; distribution. Arabian Peninsula.
- Weidner, 1984: 6 Microcerotermes diversus; listed. Saudi Arabia; southern Arabia; Iran; Iraq.
- Badawi et al., 1986a: 416, 418 Microcerotermes diversus; distribution. Saudi Arabia.
- Chhotani, 1988: 369-370 Microcerotermes diversus; distribution. Oman.
- Cowie, 1989a: 160, 162, table 1 *Microcerotermes diversus*; checklist; biogeography; distribution. Kuwait; North and South Yemen; Oman; Saudi Arabia.
- Chhotani and Bose, 1991: 261, 264 Microcerotermes diversus; key. Saudi Arabia.
- Esmaeili and Ghayourfar, 1992: 243 Microcerotermes diversus; distribution. Iran.
- Ravan and Akhtar, 1996: 85-95 Microcerotermes diversus; swarming; ecology; distribution. Iran.
- Ghayourfar, 1998: 17 Microcerotermes diversus; comparisons.
- Ravan and Akhtar, 1998: 9-26 Microcerotermes diversus; feeding; ecology; distribution. Iran.
- Sands, 1998: 186 Microcerotermes diversus; listed; distribution. Iraq.
- Ravan and Akhtar, 1999a: 66 Microcerotermes diversus; distribution. Iran.
- Faragalla, 2002: 203 Microcerotermes diversus; checklist; ecozoogeography. Saudi Arabia.
- Ghayourfar, 2005a: 219 Microcerotermes diversus; distribution. Iran.
- Ghayourfar, 2005c: 43 Microcerotermes diversus; soldier measurements; comparisons.
- ♠ DISTRIBUTION: Ethiopian Region—Yemen: North Yemen, South Yemen. ◆ Palaearctic Region—Iran; Iraq; Kuwait; Oman; Saudi Arabia.

# Microcerotermes dolichocephalicus Gao and Lam, 1992

Microcerotermes dolichocephalicus Gao and Lam, 1992: 66-67 imago, soldier), figs. 1, 2.

Type data: Holotype: SIES soldier, morphotype imago. Paratypes: SIES imagoes, soldier, NITN imagoes, soldiers.

Type locality: China: Guangxi Region: Rong County.

© DISTRIBUTION: Oriental Region—China: Guangxi.

# Microcerotermes dolichognathus Silvestri, 1912

*Microcerotermes dolichognathus* Silvestri, 1912a: 237–239 (soldier, worker), fig. 12 [synonym of *acerbus* fide Emerson card catalog (unpublished)].

Type Data: Syntypes: IEA soldiers, workers, AMNH soldiers, workers.

Type locality: Guinea-Bissau (Portuguese Guinea): Rio Cassine.

- Sjöstedt, 1913a: 380 Eutermes (Microcerotermes) dolichognathus; listed; new combination.
- Seabra, 1919b: 21 Microcerotermes dolycognatus [sic]; distribution. São Tomé.

- Seabra and Seabra, 1921: 88 Microcerotermes dolycognatus [sic]; distribution. São Tomé.
- Seabra, 1921a: 11–13, figs. 1, 3–5, pl. 6: fig. 2 *Microcerotermes dolichognathus*; soldier described and figured; nest figured; distribution. São Tomé.
- Seabra, 1921b: 3, 11 Microcerotermes dolycognatus [sic]; distribution. São Tomé.
- Hegh, 1922: 135, 445, 703 Microcerotermes dolichognathus; biology; reference list; distribution.
- Seabra, 1922b: 72–74, figs. 51, 53–56 *Microcerotermes dolichognathus*; soldier described and figured; distribution. São Tomé.
- Seabra, 1922c: 79, 87 Microcerotermes dolycognatus [sic]; distribution. São Tomé.
- Sjöstedt, 1926d: 194, 197 Microcerotermes dolichognathus; reference list; key; remarks; locality.
   Congo-Zaire; Guinea-Bissau; Sierra Leone; São Tomé.
- Snyder, 1949a: 137 Microcerotermes dolichognathus; catalog; reference list. Cameroon; Congo-Zaire; Guinea-Bissau; Sierra Leone; São Tomé.
- Bouillon and Mathot, 1971: table: no. 109 Microcerotermes dolichognathus; measurements.
- Johnson et al., 1980: 59 *Microcerotermes dolichognathus*; remarks on synonymy; checklist; distribution. Nigeria.
- Raineri et al., 1993: 528 Microcerotermes dolichognathus; collection catalog; types listed.
- (\*) DISTRIBUTION: Ethiopian Region—Cameroon; Congo-Zaire; Guinea-Bissau; Nigeria; São Tomé; Sierra Leone.

#### Microcerotermes dumasensis Thakur, 1989

Microcerotermes dumasensis Thakur (R.K.), 1989: 32-35 (soldier, worker), figs. 24, 25.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldier workers, DRSJ soldier, worker, FRI soldier, workers.

Type locality: India: Gujarat: Surat District: Dumas seacoast.

- Thakur (R.K.), 1991: 9, 16, 24, 36, fig. 19 *Microcerotermes dumasensis*; nest figured; ecology; biology; distribution. India.
- Rathore and Tak, 2004a: 60–61 Microcerotermes dumasensis; synonymy; soldier, worker described; distribution. India.
- Rathore and Bhattacharyya, 2004: 12, 29, 65, pl. 4: fig. 30 *Microcerotermes dumasensis*; key; checklist; soldier figured; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Gujarat.

### Microcerotermes dumisae Fuller, 1925

*Microcerotermes dumisae* Fuller, 1925b: 238–240 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imagoes, workers [not type locality], NCIP imagoes, workers [not type locality], AMNH soldier, worker.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Natal, Illovo Lagoon; see Ruelle, 1975b: 9.

- Snyder, 1949a: 138 Microcerotermes dumisae; catalog; reference list. South Africa.
- Bouillon and Mathot, 1971: table: no. 110 Microcerotermes dumisae; measurements.
- TISTRIBUTION: Ethiopian Region—South Africa.

# Microcerotermes duplex (Desneux, 1904)

**Termes (Eutermes) duplex** Desneux, 1904b: 42 [nom. nov. for Termes dubius Haviland, 1898, a junior primary homonym of Termes dubius Rambur, 1842].

- Snyder, 1949a: 137 *Microcerotermes duplex*; catalog; listed as a synonym of *M. distans*. Borneo and Sulu Islands localities only = *duplex*.
- Roisin and Pasteels, 2000: 143–144 *Microcerotermes duplex*; stat. rev.; synonymy; remarks; as the valid name for *Termes dubius* Haviland; new combination. Malaysia: Sarawak.

*Termes dubius* Haviland, 1898: 402–403 (imago, soldier, worker), pl. 24: figs. 38–41 [junior primary homonym of *Termes dubius* Rambur, 1842].

Type data: Syntypes: CUMZ No. 577 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

Type locality: Malaysia: Sarawak (Borneo): Miri Hills.

- Haviland, 1898: 401 Termes distans [misidentification, except Celebes (Sulawesi) = dubius].
- Desneux, 1904b: 41 *Termes (Eutermes) distans* [misidentification]; reference list [part; Borneo only = *dubius*].
- Holmgren, 1912a: 122 *Microcerotermes dubius*; listed. Malaysia: Borneo; *Microcerotermes distans* [misidentification]; listed [Borneo and Sulu Islands only].
- Holmgren, 1913c: 263, 265, pl. 8: figs. 2, 12 Microcerotermes dubius; figured; Microcerotermes distans [misidentification, except Celebes (Sulawesi)]
- John, 1925: 418, pl. 23: fig. 31 Microcerotermes distans [misidentification]; nest figured; biology; locality. Malaysia: Sarawak; Indonesia: Sumatra, Sulawesi, Sulu Islands [Java record = depokensis].
- Kemner, 1934b: 23 Microcerotermes distans [misidentification]; discussion.
- Harris, 1966a: 13 Microcerotermes dubius; Haviland's types and type localities listed.
- Roonwal, 1970c: 349 Microcerotermes distans; biology; distribution.
- Tho, 1992: 91, 199, fig. 35A *Microcerotermes dubius*; removed from synonymy with *distans*; soldier described and figured. Malaysia.
- Eggleton et al., 1998a: 119–128 *Microcerotermes dubius*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Jones and Brendell, 1998: 79–91 *Microcerotermes dubius*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Eggleton et al., 1999b: 1795, table 1 Microcerotermes dubius; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Microcerotermes dubius*; feeding habit; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Gathorne-Hardy et al., 2000a: 258 *Microcerotermes dubius*; checklist; ecology; biogeography; distribution. Indonesia: Sumatra.
- Homathevi et al., 2002: 234, table 1 *Microcerotermes dubius*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Microcerotermes dubius*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 120 *Microcerotermes dubius*; checklist; distribution. Indonesia: Sumatra; Malaysia: Mainland, Borneo: Sarawak.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Malaysia: Mainland, Sabah, Sarawak.

### Microcerotermes durbanensis Fuller, 1925

*Microcerotermes durbanensis* Fuller, 1925b: 231 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imagoes, workers, NCIP imagoes, soldiers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Natal: Durban [29°53′S, 31°E].

- Snyder, 1949a: 138 Microcerotermes durbanensis; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 111 Microcerotermes durbanensis; measurements.
- Ruelle, 1975b: 9 *Microcerotermes durbanensis*; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

#### Microcerotermes edentatus Wasmann, 1911

Microcerotermes edentatus Wasmann, 1911c: 115-116 (soldier, worker), pl. 4: fig. 5.

Type data: Syntypes: NHMM soldiers, workers, AMNH soldiers, workers.

Type locality: Congo-Zaire (Belgian Congo): Sankuru (Kassai).

- Sjöstedt, 1911c: 157–159 Eutermes edentatus; soldier, worker described; key; locality; new combination. Congo-Zaire.
- Holmgren, 1912a: 122 Microcerotermes edentatus; listed. Congo-Zaire.
- Sjöstedt, 1913a: 380, 390 Eutermes edentatus; key.
- Hegh, 1922: 435, 436, 586, 615, 702, fig. 297 *Microcerotermes edentatus*; biology; reference list; distribution.
- Sjöstedt, 1926d: 195, 208, pl. 8: fig. G *Microcerotermes edentatus*; reference list; key; biology; locality. Congo-Zaire.
- Emerson, 1928b: 544, pl. 34 *Microcerotermes edentatus*; soldier described and figured. Congo-Zaire.
- Grassé, 1936: 281 Microcerotermes edentatus; distribution. Ivory Coast.
- Harris, 1936: 366 Microcerotermes edentatus; biology; distribution. Tanzania.
- Wheeler, 1936: 223 Microcerotermes edentatus; ant ecological relationships.
- Harris, 1941: 204 Microcerotermes edentatus; distribution.
- Harris, 1948: 80 Microcerotermes edentatus; biology; locality. Uganda.
- Snyder, 1949a: 138 Microcerotermes edentatus; catalog; reference list; synonymy. Cameroon; Congo-Zaire; Ivory Coast; Uganda.
- Kemp, 1955: 114, 116, 125 *Microcerotermes edentatus*; ecology; distribution based on vegetation zones. Tanzania.
- Noirot, 1955b: 488-489 *Microcerotermes edentatus*; caste development; polymorphism.
- Weidner, 1956b: 93 Microcerotermes edentatus; synonymy; key; locality. Angola.
- Kovoor, 1959: 445-457 Microcerotermes edentatus; gut described and figured.
- Harris, 1961a: 54, 91, 105 Microcerotermes edentatus; damage; distribution.
- Kovoor, 1964: 2887–2889  $\it Microcerotermes\ edentatus$ ; digestive physiology.
- Harris, 1965: 11 Microcerotermes edentatus; locality. Congo-Zaire.
- Bouillon and Mathot, 1966: 6 catalog. Angola.
- Noirot et al., 1967: 722–723, pls. 1, 2 Microcerotermes edentatus; intestine; histology.
- Gisler, 1967: 81 Microcerotermes edentatus; distribution. Ivory Coast.
- Kovoor, 1967b: 157–160 Microcerotermes edentatus; digestive physiology.
- Kovoor, 1967a: 820-821 Microcerotermes edentatus; gut figured; transit of food through gut.
- Kovoor, 1968: 45–84 *Microcerotermes edentatus*; gut morphology; histology; bacteria; digestive physiology.

- Bodot, 1969: 41 Microcerotermes edentatus; colony composition; temperature.
- Van Boven, 1969a: 42 Microcerotermes edentatus; types listed.
- Bouillon, 1970: 233 Microcerotermes edentatus; flight records. Tanzania.
- Bouillon and Mathot, 1971: table: no. 112 Microcerotermes edentatus; measurements.
- Weidner, 1974: 38–40, figs. 14B, 15B *Microcerotermes edentatus*; imago (previously unknown) described and figured; soldier mandibles figured; locality. Angola.
- Mathot, 1974: 10 Microcerotermes edentatus; collection catalog; types listed.
- Bayode, 1979: 163 Microcerotermes edentatus; distribution; habitat; damage. Nigeria.
- Johnson et al., 1980: 58 Microcerotermes edentatus; checklist; biology; distribution. Nigeria.
- Sangare and Bodot, 1980: 131–141 *Microcerotermes edentatus*; checklist; biology; distribution. Ivory Coast.
- Wood et al., 1982: 25–39 *Microcerotermes edentatus*; ecology; feeding and nesting habits; distribution. Nigeria.
- Wanyonyi et al., 1984: 4 Microcerotermes edentatus; checklist; distribution. Tanzania; Uganda.
- Mishra and Sen-Sarma, 1987b: 311-319 Microcerotermes edentatus; gut pH.
- Eggleton et al., 1995: 85–98 Microcerotermes edentatus; checklist; ecology. Cameroon.
- Eggleton et al., 1996: 51-68 Microcerotermes edentatus; checklist; feeding; ecology. Cameroon.
- Sands, 1998: 186 Microcerotermes edentatus; listed; distribution. Ghana.
- De Vos and Deligne, 2001: 33–37 •  $\it Microcerotermes\ edentatus$ ; malpighian tubules; ultrastucture.
- Noirot, 2001: 437, fig. 6H Microcerotermes edentatus; gut characters; figured.

Eutermes intactus Sjöstedt, 1911c: 157 [nomen nudum].

TISTRIBUTION: Ethiopian Region—Angola; Cameroon; Congo-Zaire; Ghana; Ivory Coast (Côte d'Ivoire); Liberia; Nigeria; Tanzania; Uganda.

### Microcerotermes elegans Sjöstedt, 1925

*Microcerotermes elegans* Sjöstedt, 1925: 55 (soldier) [synonym of *macacoensis* fide Emerson card catalog (unpublished)].

Type data: Syntypes: RGMC soldiers, NHRM soldiers.

Type locality: Congo-Zaire (Belgian Congo): Kananga (Luluabourg) [5°53′S, 22°26′E].

- Sjöstedt, 1926d: 193, 195, 203 Microcerotermes elegans; imago, soldier described; reference list; key; locality. Congo-Zaire.
- Snyder, 1949a: 138 Microcerotermes elegans; catalog; reference list. Congo-Zaire.
- Bouillon and Mathot, 1971: table: no. 113 Microcerotermes elegans; measurements.
- Mathot, 1974: 10 Microcerotermes elegans; collection catalog; types listed.
- TISTRIBUTION: Ethiopian Region—Congo-Zaire.

# Microcerotermes elongatus Sjöstedt, 1926 [nomen nudum]

Microcerotermes elongatus Sjöstedt, 1926d: 205 [nomen nudum].

- Sjöstedt, 1926d: 205 Microcerotermes hamatus [Congo = elongatus].
- Snyder, 1949a: 140 *Microcerotermes hamatus*; catalog [Congo = *elongatus*].
- TISTRIBUTION: Ethiopian Region—"Congo" [probably Congo-Zaire].

### Microcerotermes eugnathus Silvestri, 1911

*Microcerotermes eugnathus* Silvestri, 1911: 106–108 (imago, soldier, worker), fig. 2 [synonym of *palaearcticus* fide Emerson file card (unpublished)].

Type data: Syntypes: IEA imagoes, soldiers, workers, AMNH imago, soldiers, workers. Type locality: Tunisia: Cherri-Cherra (Kairouan).

- Hegh, 1922: 69, 445, 703 Microcerotermes eugnathus; biology; reference list; distribution.
- Sjöstedt, 1926d: 195, 198 Microcerotermes eugnathus; reference list; key; locality. Tunisia.
- Snyder, 1949a: 138 Microcerotermes eugnathus; catalog; reference list. Tunisia.
- Harris, 1970b: 308 Microcerotermes eugnathus; distribution. Tunisia.
- Kaschef and El-Sherif, 1971: 227, 230, 231 Microcerotermes eugnathus; locality. Egypt.
- Kaschef and El-Sherif, 1972: 101–108 *Microcerotermes eugnathus*; soldier, worker described and figured; locality. Egypt.
- Belyaeva, 1979: 42, 44, figs. 4H–M Microcerotermes eugnathus; measurements; soldier figured.
- Hafez, 1980: 149 Microcerotermes eugnathus; distribution. Egypt.
- Johnson and Wood, 1980: 279-293 Microcerotermes eugnathus; checklist; ecology; distribution.
- Tunisia.

### Microcerotermes exiguus (Hagen, 1858)

Termes (Eutermes) exiguus Hagen, 1858c: 208-209, 243, 284 (imago, soldier).

Type data: Syntypes: MCZ No. 210 imagoes, soldiers.

Type locality: Brazil: Pará: Santarém.

- Hagen, 1858b: 29 Termes (Entermes [sic]) exiguus; imago described; synonymy; distribution.
- Hagen, 1861b: 301 Termes exiguus; synonymy; distribution. Brazil.
- Girard, 1879: 292 Termes exiguus; discussion.
- Desneux, 1904b: 42 Termes (Eutermes) exiguus; reference list. Brazil.
- Holmgren, 1912a: 122 Microcerotermes exiguus; listed; new combination. Brazil.
- Dietz and Snyder, 1924: 282, 291 *Eutermes exiguus*; locality; swarming; new combination. Panama.
- Snyder, 1925j: 193 Eutermes exiguus; listed. Panama.
- Snyder, 1925e: 162 Microcerotermes exiguus. Colombia; Guatemala.
- Snyder, 1926a: 28 Microcerotermes exiguus; locality. Colombia.
- Light, 1935: 250 Microcerotermes exiguus; listed.
- Snyder, 1949a: 138 *Microcerotermes exiguus*; catalog; reference list. Brazil; Colombia; Guatemala; Panama.
- Becker, 1953: 347 Microcerotermes exiguus; distribution. Guatemala.
- Lal and Menon, 1953: 25 *Coptotermes exiguus*; catalog [only Hagen and Desneux references; Jepson references = *Coptotermes gaurii*].
- Snyder, 1956b: 190, 195, 197 Microcerotermes exiguus; key; distribution. Trinidad.
- Snyder, 1959a: 318, 321 Microcerotermes exiguus; key; distribution. Venezuela.
- Harris, 1961a: 157, 162 Microcerotermes exiguus; damage; distribution.
- Araujo, 1977c: 62 Microcerotermes exiguus; catalog. Brazil; Colombia; Guatemala; Trinidad; Venezuela.
- Mathews, 1977: 105–108, figs. 38–41, pl. 15 Microcerotermes exiguus; imago, soldier described and figured. Brazil.
- Prestwich, 1979b: 467 Microcerotermes exiguus; frontal gland and secretions.
- Fontes, 1983: 143 Microcerotermes exiguus; additions and corrections to Araujo's catalog, 1977c.

- Prestwich, 1984a: table 1 Microcerotermes exiguus; checklist; ecology; defense mode; chemicals; distribution.
- Bandeira and Macambira, 1988: 175-190 Microcerotermes exiguus; ecology; distribution.
- Bandeira, 1990: 225–241, table 1 Microcerotermes exiguus; ecology; distribution.
- Maes, 1990: 15 *Microcerotermes exiguus*; catalog; synonymy; distribution. Brazil; Colombia; Guatemala; Nicaragua; Panama; Trinidad; Venezuela.
- Constantino and Cancello, 1993: 404 Microcerotermes exiguus; distribution. Brazil: Amazonia.
- Scheffrahn et al., 1994: 225, 234 Microcerotermes exiguus; distribution. Trinidad.
- Constantino, 1998b: 203 *Microcerotermes exiguus*; catalog. Brazil; Colombia; Guatemala; Trinidad; Venezuela.
- Fontes, 1998: 367 Microcerotermes exiguus; catalog; distribution. Brazil; Nicaragua.
- Issa, 2000: 381 Microcerotermes exiguus; checklist; distribution. Venezuela.
- Constantino, 2002c: 358, table 3 Microcerotermes exiguus; checklist; damage; distribution.
   Brazil; Colombia; Trinidad; Venezuela.
- Scheffrahn et al., 2003b: 33–38 Microcerotermes exiguus; distribution. Trinidad.
- Sena et al., 2003: 756, table 1 Microcerotermes exiguus; checklist; ecology; distribution. Brazil.
- Scheffrahn et al., 2005c: 551, table 1 *Microcerotermes exiguous* [sic]; checklist; distribution. Nicaragua.
- Vasconcellos et al., 2005: 127–131 Microcerotermes exiguus; checklist; diversity; feeding groups; distribution. Brazil.
- Ferreira da Cunha et al., 2006: 518 Microcerotermes exiguus; checklist; distribution. Brazil: Goiás State.

Termes corticicola Hagen, 1858c: 203, 227, imago, soldier [nomen nudum; Hagen, 1858c: 203, 277 mentioned a species *T. corticicola* from Santarém, Brazil, without giving a description and crediting Bates as the author. Araujo, 1977c: 62 and Emerson (card catalog) refer to corticicola as a MS name and a synonym of Microcerotermes exiguus. Snyder, 1924i: 14; 1949a: 70 mentions a name Termes corticola [not corticicola] Bates, gives a brief description, and places it as a synonym of Heterotermes tenuis. Since Snyder is the first person to provide a description, he, not Bates, is the author of the Termes corticola, and corticola is not a MS name as maintained by Araujo, 1977c: 26 and Snyder, 1924i. To further complicate matters, Snyder, 1949a: 138 uses the name Termes corticola as a synonym of *M. exiguus*, a mistake for corticicola.

DISTRIBUTION: Neotropical Region—Brazil: Amazonia; Colombia; Guatemala; Nicaragua; Panama; Trinidad; Venezuela.

# Microcerotermes fletcheri Holmgren and Holmgren, 1917

Microcerotermes fletcheri Holmgren and Holmgren, 1917: 170-171 (soldier, worker).

Type data: Syntypes: ZIHS soldiers, workers, IEA soldier, worker.

Type locality: India: Karnataka: Mysore: Bababudin Hills, about 4100 feet.

- Margabandhu, 1934: 709-710 Microcerotermes fletcheri; annotated reference list; biology.
- Snyder, 1949a: 139 Microcerotermes fletcheri; catalog. India.
- Lal and Menon, 1953: 44 Microcerotermes fletcheri; catalog; reference list. India.
- Roonwal and Pant, 1953: 51 Microcerotermes fletcheri; collection catalog. India.
- Ahmad, 1958: 168 Microcerotermes fletcheri; key.
- Mathur and Thapa, 1962a: 47 Microcerotermes fletcheri; collection catalog. India.
- Joseph, 1964: 54 Microcerotermes fletcheri; supplementary reproductives.
- Prashad et al., 1967: 6, 40–42, figs. 24, 25 *Microcerotermes fletcheri*; soldier, worker described and figured; key; reference list; distribution. India.

- Roonwal and Bose, 1970a: 154 Microcerotermes fletcheri; comparisons.
- Roonwal, 1970c: 349 Microcerotermes fletcheri; biology; distribution.
- Akhtar, 1974a: 54, 55 Microcerotermes fletcheri; comparisons.
- Roonwal, 1975f: 403 Microcerotermes fletcheri; sex ratios.
- Sen-Sarma et al., 1975: 12, 38–39, 54, 65 *Microcerotermes fletcheri*; distribution and ecology; key. India.
- Roonwal, 1978c: 17–18 Microcerotermes fletcheri; biology; distribution.
- Chhotani and Bose, 1979b: 25 Microcerotermes fletcheri; nesting behavior and nests. India.
- Chhotani, 1980: 6, fig. 12E Microcerotermes fletcheri; soldier figured; key.
- Thakur, 1980b: 126 *Microcerotermes fletcheri*; ecology; distribution. India.
- Bose, 1984: 126, 128–132, figs. 95, 96 *Microcerotermes fletcheri*; key; synonymy; measurements; imago, soldier figured; distribution; biology; remarks. India.
- Verma, 1984b: 238 Microcerotermes fletcheri; distribution. India: Kerala and other localities.
- Verma, 1986: 46–52 *Microcerotermes fletcheri*; associations.
- Roonwal and Chhotani, 1989: 88 Microcerotermes fletcheri; sex ratio discussed.
- Thakur, 1989b: 361 Microcerotermes fletcheri; distribution. India.
- Ferry, 1992: 193–211 Microcerotermes fletcheri; ecology; distribution. India: Karnataka.
- Verma, 1995a: 48 Microcerotermes fletcheri; distribution. India: western Himalaya.
- Chhotani, 1997: 174–176, fig. 80 *Microcerotermes fletcheri*; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 56 Microcerotermes fletcheri; catalog. India.
- Roy, 2005: 140 *Microcerotermes fletcheri*; checklist; distribution. India.
- 🐧 DISTRIBUTION: Oriental Region—India: Karnataka, Kerala, Tamil Nadu, Uttar Pradesh.

# Microcerotermes flyensis Roisin and Pasteels, 2000

*Microcerotermes flyensis* Roisin and Pasteels, 2000: 162–164 (imago, soldier, worker), figs. 51–54, 59, pl. 1J.

Type data: Holotype: RIB soldier. Paratypes: RIB imagoes, soldiers, workers, RIB imagoes, soldiers, workers [not type locality].

Type Locality: Papua New Guinea: Western Province: Morehead.

© DISTRIBUTION: Papuan Region—Papua New Guinea.

### Microcerotermes fuscotibialis (Sjöstedt, 1896)

## Microcerotermes fuscotibialis fuscotibialis (Sjöstedt, 1896)

Eutermes fuscotibialis Sjöstedt, 1896b: 298 (imago).

Type data: Syntypes: NHRM imagoes, soldiers, workers, AMNH imago, soldier, worker, ZMH imago [incorrectly cited as paratypes by Weidner, 1966a].

Type locality: Cameroon: Bonge.

- Sjöstedt, 1900a: 74, 177–182, pl. 5: figs. A1–A8, pl. 9: fig. C Eutermes fuscotibialis; imago, soldier, worker described and figured; biology; key; distribution. Cameroon; Gabon.
- Czerwinski, 1901: 7 Eutermes fuscotibialis; collection catalog. Cameroon.
- Sjöstedt, 1904: 31, 34, 46, 115 Eutermes fuscotibialis; key; distribution.
- Desneux, 1904b: 42 Termes (Eutermes) fuscotibialis; reference list; new combination.
   Cameroon; Gabon.
- Sjöstedt, 1905: 17 Eutermes fuscotibialis; listed.
- Sjöstedt, 1907b: 241 Eutermes fuscotibialis; locality. Congo-Zaire.

- Holmgren, 1909b: 174, 175 Microcerotermes fuscotibialis; anatomy; gut figured; new combination.
- Sjöstedt, 1911c: 157 Eutermes fuscotibialis; locality. Congo-Zaire.
- Holmgren, 1912a: 122 Microcerotermes fuscotibialis; listed. Cameroon; Gabon.
- Sjöstedt, 1913a: 380 Eutermes (Microcerotermes) fuscotibialis; key; footnote stating cotype of fuscotibialis indistinguishable from that of M. libericus.
- Silvestri, 1914a: 66 Microcerotermes fuscotibialis; discussion; locality. Cameroon; Nigeria.
- Hegh, 1922: 30, 208, 223, 435, 436, 437, 616, 702, figs. 15j, 298, 299 *Microcerotermes fuscotibialis*; biology; reference list; distribution.
- Sjöstedt, 1926d: 193, 194, 196 *Microcerotermes fuscotibialis*; reference list; key; biology; locality. Cameroon; Congo-Brazzaville; Congo-Zaire; Gabon; Nigeria; Sierra Leone.
- Sjöstedt, 1926a: 4 Microcerotermes fuscotibialis; locality. Ghana.
- Emerson, 1928b: 547–549, fig. 77, pls. 34, 35 *Microcerotermes fuscotibialis*; imago, soldier described and figured; nest. Cameroon; Congo-Zaire.
- Snyder, 1949a: 139 *Microcerotermes fuscotibialis*; catalog; reference list. Cameroon; Congo-Zaire; Gabon; Ghana; Nigeria; Sierra Leone.
- Grassé, 1952b: 56, fig. 4 Microcerotermes fuscotibialis; caste development.
- Noirot, 1955b: 482–488, fig. 38 *Microcerotermes fuscotibialis*; soldier figured; caste development; polymorphism.
- Weidner, 1955e: 250 Microcerotermes fuscotibialis; types listed.
- Weidner, 1956b: 92, 93 Microcerotermes fuscotibialis; synonymy; key; locality. Angola.
- Bouillon, 1958: 199, 206 *Microcerotermes fuscotibialis*; locality; also as *Microtermes* [sic] *fuscotibialis*.
- Harris, 1961a: 157, 163 Microcerotermes fuscotibialis; damage; distribution.
- Weidner, 1961: 50–53, figs. 31–34 Microcerotermes fuscotibialis; synonymy; queen, nest figured; distribution. Angola.
- Harris, 1963c: 4, 10, 40 Microcerotermes fuscotibialis; locality. Congo-Zaire.
- Springhetti, 1964b: 213 Microcerotermes fuscofemoralis [error for fuscotibialis]; seminal vesicles.
- Bouillon and Mathot, 1965: 41, 84, 85, pl. 10: fig. 26a *Microcerotermes fuscotibialis*; catalog; soldier figured. Angola; Ivory Coast.
- Weidner, 1966a: 218 Microcerotermes fuscotibialis; types listed.
- Gisler, 1967: 81 Microcerotermes fuscotibialis; distribution. Ivory Coast.
- Bouillon and Mathot, 1971: table: no. 114 Microcerotermes fuscotibialis; measurements.
- Roy-Noël, 1972: 204–205, tables 1, 3 *Microcerotermes fuscotibialis*; biology; ecology; distribution. Senegal; from Sierra Leone to Congo.
- Weidner, 1974: 38, figs. 14A, 15A Microcerotermes fuscotibialis; synonymy; soldier mandibles, imago figured; locality. Angola.
- Vincke, 1974: 698 Microcerotermes fuscotibialis; chromosome number.
- Roonwal, 1975f: 406, 413 Microcerotermes fuscotibialis; sexual dimorphism.
- Ella and Malaka, 1977: 67 Microcerotermes fuscotibialis; biology; locality. Nigeria.
- Williams, 1977: 122 Microcerotermes fuscotibialis; pest; ecology; distribution by vegetation zones.
- Vincke and Tilquin, 1978a: 152, table 1 Microcerotermes fuscotibialis; chromosome number.
- Bayode, 1979: 163 Microcerotermes fuscotibialis; distribution; habitat; damage. Nigeria.
- Johnson, 1979: 36, figs. 15–16 *Microcerotermes fuscotibialis*; digestive tube described and figured.
- Johnson et al., 1980: 59 Microcerotermes fuscotibialis; checklist; biology; distribution. Guinea; Nigeria.
- Medler, 1980: 56 Microcerotermes fuscotibialis; checklist. Nigeria.
- Sangare and Bodot, 1980: 131–141 Microcerotermes fuscotibialis; checklist; biology; distribution. Ivory Coast.
- Roy-Noël, 1982: 129, 131 Microcerotermes fuscotibialis; ecology; pest; distribution. Senegal.
- Wood et al., 1982: 25–39 Microcerotermes fuscotibialis; ecology; feeding and nesting habits; distribution. Nigeria.
- Eggleton et al., 1995: 85–98 Microcerotermes fuscotibialis; checklist; ecology. Cameroon.

- Eggleton et al., 1996: 51–68 Microcerotermes fuscotibialis; checklist; feeding; ecology.
   Cameroon.
- Sands, 1998: 186, 394, 395, figs. 654–655, 668 *Microcerotermes fuscotibialis*; gut figured; distribution. Ivory Coast.
- Deligne, 1999: figs. 12, 25 Microcerotermes fuscotibialis; worker mandibles; functional morphology.
- Ndiaye and Han, 2006: 60 Microcerotermes fuscotibialis; checklist; pest; distribution. Senegal.
- Tistribution: Ethiopian Region—Angola; Cameroon; Congo-Zaire; Gabon; Ghana; Guinea; Ivory Coast (Côte d'Ivoire); Nigeria; Senegal; Sierra Leone.

## Microcerotermes fuscotibialis libericus Rosen, 1912

*Microcerotermes libericus* Rosen, 1912: 227 (soldier, worker), fig. 5 [synonym of *acerbus* fide Emerson, card catalog (unpublished)].

Type data: Syntypes: ZSM soldiers, AMNH soldiers, NHMM soldier, worker.

Type locality: Liberia.

- Sjöstedt, 1913a: 380 *Microcerotermes fuscotibialis libericus*.
- Silvestri, 1914a: 67 Microcerotermes fuscotibialis subsp. libericus; locality; biology. Guinea.
- Hegh, 1922: 437, 603, 702 Microcerotermes fuscotibialis subsp. libericus; biology; reference list; distribution.
- Sjöstedt, 1926d: 197 *Microcerotermes fuscotibialis* subsp. *libericus*; reference list; biology; remarks; locality. Liberia.
- Snyder, 1949a: 139 *Microcerotermes fuscotibialis* subsp. *libericus*; catalog; reference list. Guinea; Liberia.
- Bouillon, 1958: 199, 206 Microcerotermes fuscotibialis subsp. libericus; distribution. Congo-Zaire.
- Van Boven, 1969a: 42 Microcerotermes fuscotibialis libericus; types listed.
- Bouillon and Mathot, 1971: table: no. 114 *Microcerotermes fuscotibialis* subsp. *libericus*; measurements.
- TISTRIBUTION: Ethiopian Region—Guinea; Liberia.

# Microcerotermes fuscotibialis validior Silvestri, 1914

*Microcerotermes fuscotibialis validior* Silvestri, 1914a: 68 (soldier, worker), fig. 27 [elevated to full species rank fide Emerson, card catalog (unpublished)].

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, worker.

Type Locality: Guinea: Mamou.

- Hegh, 1922: 223, 437, 438, 500, 702, fig. 354K *Microcerotermes fuscotibialis* subsp. *validior*; biology; reference list; distribution.
- Sjöstedt, 1926d: 194, 196 *Microcerotermes fuscotibialis* subsp. *validior*; reference list; key; biology; remarks; locality. Guinea.
- Snyder, 1949a: 139 *Microcerotermes fuscotibialis* subsp. *validior*; catalog; reference list. Guinea.
- Bouillon and Mathot, 1971: table: no. 114 Microcerotermes fuscotibialis subsp. validior; measurements.
- Tistribution: Ethiopian Region—Guinea.

# Microcerotermes gabrielis Weidner, 1955

Microcerotermes gabrielis Weidner, 1955d: 64-67 (imago, soldier, worker), figs. 1, 2.

Type data: Lectotype: ZMH imago. Paralectotypes: ZMH imagoes [not type locality], AMNH imagoes, soldier, workers, ZMH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Weidner, 1966a: 221 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: Iraq: Tauq am Tschai.

- Weidner, 1958: 15, figs. 4, 7, 9 *Microcerotermes gabrielis*; characters; wings, soldier, worker mandibles figured.
- Weidner, 1960a: 61, 67, 68, figs. 12, 13, 17, 20 *Microcerotermes gabrielis*; synonymy; soldier characters; imago, soldier figured; key; distribution. Afghanistan; Iran; Iraq; Pakistan.
- Spaeth, 1964: 30, 32 Microcerotermes gabrielis; listed.
- Weidner, 1966a: 221 Microcerotermes gabrielis; types listed.
- Harris, 1967b: 215 *Microcerotermes gabrielis*; imago measurements; distribution. Afghanistan; Iran; Iraq.
- Harris, 1970b: 308 Microcerotermes gabrielis; distribution. Afghanistan; Iran; Iraq.
- Belyaeva, 1979: 42, 43, fig. 3 *Microcerotermes gabrielis*; measurements; wings; imago mandibles, soldier figured.
- Weidner, 1984: 6 Microcerotermes gabrielis; listed. Iran; Iraq; Pakistan; Saudi Arabia.
- Badawi et al., 1986a: 416, 418 Microcerotermes gabrielis; distribution. Saudi Arabia.
- Al-Kady et al., 1987: 186, 192 Microcerotermes gabrielis; listed; key; distribution. Saudi Arabia.
- Cowie, 1989a: 160, 162 *Microcerotermes gabrielis*; checklist; biogeography; distribution. Saudi Arabia.
- Chhotani and Bose, 1991: 261, 264 Microcerotermes gabrielis; key. Saudi Arabia.
- Esmaeili and Ghayourfar, 1992: 243 Microcerotermes gabrielis; distribution. Iran.
- Ghayourfar, 1998: 17 Microcerotermes gabrielis; comparisons.
- Ravan and Akhtar, 1998: 9-26 Microcerotermes gabrielis; feeding; ecology; distribution. Iran.
- Ravan and Akhtar, 1999a: 66 Microcerotermes gabrielis; distribution. Iran.
- Faragalla, 2002: 203 Microcerotermes gabrielis; checklist; ecozoogeography. Saudi Arabia.
- Ghayourfar, 2005a: 219 Microcerotermes gabrielis; distribution. Iran.
- Ghayourfar, 2005c: 43 Microcerotermes gabrielis; soldier measurements; comparisons.
- Belyaeva and Dovgobrod, 2006: fig. 5f Microcerotermes gabrielis; female genitalia figured.
- TISTRIBUTION: Palaearctic Region—Afghanistan; Iran; Iraq; Saudi Arabia.

### Microcerotermes ganeshi Bose, 1984

Microcerotermes ganeshi Bose, 1984: 126, 132-136 (soldier, worker), figs. 97-101.

Type data: Holotype: ZSI No. 8140/H8 soldier. Paratypes: ZSI Nos. 690/H11, 691/H11 soldier, workers.

Type Locality: India: Tamil Nadu: Salem: Karambapatty Reserve Forest.

- Chhotani, 1997: 176–178, fig. 81 *Microcerotermes ganeshi*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 56 Microcerotermes ganeshi; catalog. India.
- DISTRIBUTION: Oriental Region—India: Tamil Nadu.

# Microcerotermes gracilis Light, 1933

Microcerotermes gracilis Light, 1933: 142-143 (soldier, worker), pl. 9: figs. 2, 5.

Type data: Syntypes: AMNH soldier (Mexico: Colima: Jala) [incorrectly labeled "holotype"; Light, 1933 did not select a holotype], AMNH soldiers, workers (Mexico: Colima: Madrid), USNM soldier [incorrectly cited as "holotype" by Constantino, 1998b; no specimens of *gracilis* in USNM], FRI workers, ZSI worker.

Type localities: Mexico: Colima: Jala, Madrid.

- Light, 1934j: 339 Microcerotermes gracilis; distribution. Mexico: Colima.
- Snyder, 1949a: 139 Microcerotermes gracilis; catalog. Mexico.
- Weesner, 1970: 511 Microcerotermes gracilis; distribution.
- Araujo, 1977c: 62, 63 Microcerotermes gracilis; catalog. Mexico.
- Nickle and Collins, 1990: 92, 98, 117, figs. 12A–B Microcerotermes gracilis; key; soldier figured; characters; distribution. Mexico.
- Constantino, 1998b: 203 Microcerotermes gracilis; catalog. Mexico to Costa Rica.
- Fontes, 1998: 367 Microcerotermes gracilis; catalog; distribution. Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Microcerotermes gracilis; checklist; diversity; distribution. Mexico: Colima, Jalisco.
- Scheffrahn et al., 2005c: 551, table 1 Microcerotermes gracilis; checklist; distribution. Nicaragua.
- § DISTRIBUTION: Neotropical Region—Mexico to Costa Rica.

# Microcerotermes greeni Holmgren, 1913

Microcerotermes greeni Holmgren, 1913a: 284 (soldier, worker).

Type data: Syntypes: ZIHS soldiers, workers, AMNH soldier, workers, FRI worker.

Type locality: Sri Lanka (Ceylon): Ambalangoda.

- Holmgren, 1912a: 122 Microcerotermes greeni; listed. Sri Lanka.
- Holmgren, 1913c: 261–262, pl. 8: fig. 7 *Microcerotermes greeni*; soldier, worker described; soldier figured; key; distribution. Sri Lanka.
- Bugnion, 1913d: 171 Microcerotermes Greeni; antennal articles. Sri Lanka.
- Green, 1913: 12 Microcerotermes greeni; biology; locality. Sri Lanka.
- Holmgren, 1914: 285 Microcerotermes greeni; locality. Sri Lanka.
- Kemner, 1926b: 391 Microcerotermes greeni; soldier described. Sri Lanka.
- Margabandhu, 1934: 710 Microcerotermes greeni; annotated reference list; biology.
- Snyder, 1949a: 139 Microcerotermes greeni; catalog; reference list. Sri Lanka.
- Lal and Menon, 1953: 44 *Microcerotermes greeni*; catalog; systematic and biological reference list. Sri Lanka.
- Ahmad, 1958: 168 Microcerotermes greeni; key.
- Mathur and Thapa, 1962a: 47 Microcerotermes greeni; collection catalog. Sri Lanka.
- Ranaweera, 1962: 89, 99 Microcerotermes greeni; biology; distribution. Sri Lanka.
- Prashad et al., 1967: 6, 43–44, fig. 26 *Microcerotermes greeni*; soldier, worker described and figured; key; reference list; distribution. Sri Lanka.
- Chhotani, 1997: 178 Microcerotermes greeni; soldier, worker described; synonymy; key. Sri Lanka.
- Ahmad and Akhtar, 2002: 56 Microcerotermes greeni; catalog. Sri Lanka.
- © DISTRIBUTION: Oriental Region—Sri Lanka (Ceylon).

## Microcerotermes hamatus (Holmgren, 1913)

Eutermes zuluensis hamatus Holmgren, 1913d: 365 (soldier, worker) [described as new form].

Type data: Syntypes: ZIHS soldiers, workers, NHMG soldiers, workers.

Type locality: South Africa: Zululand: Somkele.

- Hegh, 1922: 439, 703 Microcerotermes zuluensis f. hamatus; reference list; distribution.
- Sjöstedt, 1926d: 203, 205, pl. 8: fig. F *Microcerotermes hamatus*; soldier figured; reference list; biology; remarks; locality [South Africa: Zululand only]; also listed as a form of *zuluensis*.
- Snyder, 1949a: 140 Microcerotermes hamatus; catalog; reference list. Congo-Zaire; South Africa.
- Bouillon and Mathot, 1971: table: no. 115 Microcerotermes hamatus; measurements.
- TISTRIBUTION: Ethiopian Region—Congo-Zaire; South Africa.

### Microcerotermes havilandi Holmgren, 1913

*Microcerotermes havilandi* Holmgren, 1913c: 265–266 (soldier, worker), pl. 8: fig. 10 [described as "Havilandi"].

Type data: Syntypes: ZIHS soldiers, workers, AMNH soldier, workers, FRI worker.

Type locality: Malaysia: Borneo: Sarawak.

- Holmgren, 1912a: 122 *Microcerotermes Havilandi*; nomen nudum. Malaysia: Borneo.
- Bugnion, 1913d: 171 Microcerotermes Havilandi; antennal articles. Malaysia: Sarawak.
- Holmgren, 1914: 286 Microcerotermes havilandi; locality. Indonesia: Sumatra.
- John, 1925: 419, pl. 23: fig. 34 *Microcerotermes havilandi*; nest described and figured; locality. Indonesia: Sumatra; Malaysia: Sarawak.
- Snyder, 1949a: 140 Microcerotermes havilandi; catalog; reference list. Borneo; Sumatra.
- Ahmad, 1958: 171, 194 Microcerotermes havilandi; key.
- Mathur and Thapa, 1962a: 47 *Microcerotermes havilandi*; collection catalog. Indonesia; Malaysia; Singapore.
- Roonwal, 1970c: 350 Microcerotermes havilandi; biology; distribution.
- Morimoto, 1976b: 27 Microcerotermes havilandi; key; distribution.
- Collins, 1984: 70 Microcerotermes havilandi; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 92, 199, 206, fig. 35B Microcerotermes havilandi; soldier described and figured. Malaysia.
- Jones and Brendell, 1998: 79–91 *Microcerotermes havilandi*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Ahmad and Akhtar, 2002: 56 *Microcerotermes havilandi*; catalog. Indonesia: Sumatra; Malaysia: Sarawak; Singapore.
- Gathorne-Hardy, 2004: 120 *Microcerotermes havilandi*; checklist; distribution. Indonesia: Sumatra; Malaysia: Mainland, Borneo.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Sumatra; Malaysia: Mainland, Sarawak.

#### Microcerotermes heimi Wasmann, 1902

Microcerotermes heimi Wasmann, 1902d: 120-121 (imago, soldier, worker), pl. 4: fig. 3.

TYPE DATA: Lectotype: NHMM soldier. Paralectotypes: AMNH imagoes, soldier, worker, IEA imago, soldier, NHMM imago.

LECTOTYPE DESIGNATION: Chhotani, 1997: 181-182.

Type locality: "Vorderindien" = India: Maharashtra: Ahmednagar District; Wallon; see Chhotani, 1997: 178.

- Desneux, 1904b: 42 Termes (Eutermes) heimi; listed; new combination.
- Holmgren, 1911c: 203, 209 Microcerotermes Heimi; soldier measurements; key.
- Holmgren, 1912a: 121, fig. 86, pl. 4: fig. 31 *Microcerotermes Heimi*; listed; imago mandible, soldier figured. India.
- Holmgren, 1912c: 789-792, pl. D: fig. 8 Microcerotermes Heimi; nest described and figured.
- Holmgren, 1913c: 260–261 pl. 8: figs. 5, 8 *Microcerotermes Heimi*; imago, soldier, worker described; imago, soldier figured; key; distribution. India.
- Assmuth, 1913: 374, pl. 1: fig. 7 Microcerotermes Heimi; soldier described and figured. India.
- Bugnion, 1913d: 170 Microcerotermes heimi; antennal articles. India.
- Holmgren, 1914: 285 Microcerotermes heimi; locality. Sri Lanka.
- Holmgren and Holmgren, 1917: 171 Microcerotermes heimi; locality; biology. India.
- John, 1925: 418 Microcerotermes heimi; locality. Sri Lanka.
- Margabandhu, 1934: 710 Microcerotermes heimi; annotated reference list; biology.
- Snyder, 1949a: 140 Microcerotermes heimi; catalog; reference list. India; Sri Lanka.
- Lal and Menon, 1953: 45 Microcerotermes heimi; catalog; systematic and biological reference list. India: Sri Lanka.
- Roonwal and Pant, 1953: 51 Microcerotermes heimi; collection catalog. India.
- Ahmad, 1955b: 202, 238, 241–243, figs. 28, 29 *Microcerotermes heimi*; imago, soldier described and figured; key; reference list; distribution. Pakistan.
- Banerjee, 1956c: 204 *Odontotermes heimi*; also as *Microtermes heimi* [placement to genus incorrect]; listed; distribution.
- Ahmad, 1958: 165, 169 Microcerotermes heimi; key.
- Roonwal and Chhotani, 1962a: 319, 394, fig. 12 Microcerotermes heimi; soldier described and figured; distribution. India; Sr Lanka.
- Ahmad, 1962: 68 *Microcerotermes heimi*; distribution. Pakistan.
- Mathur and Thapa, 1962a: 47 Microcerotermes ?heimi; collection catalog. Sri Lanka.
- Chatterjee and Thakur, 1964c: 6 Microcerotermes heimi; comparisons.
- Roonwal and Chhotani, 1965a: 22, 28 Microcerotermes heimi; distribution. India; Sri Lanka.
- Prashad et al., 1967: 5, 7, 44–46, fig. 27, 28 *Microcerotermes heimi*; imago, soldier described and figured; key; reference list; distribution. India.
- Van Boven, 1969a: 43 Microcerotermes heimi; types listed.
- Roonwal, 1970c: 350 Microcerotermes heimi; biology; distribution.
- Chaudhry et al., 1972: 48, fig. 56 *Microcerotermes heimi*; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 102 Microcerotermes heimi; distribution. India; Pakistan.
- Sen-Sarma, 1974: 458 *Microcerotermes heimi*; ecology and biogeography. India; Pakistan; Sri Lanka.
- Roonwal, 1975f: 403 Microcerotermes heimi; sex ratios.
- Roonwal, 1975a: 46 Microcerotermes heimi; egg measurements.
- Sen-Sarma et al., 1975: 13, 39, 54 *Microcerotermes heimi*; distribution and ecology; key. India; Pakistan; Sri Lanka.
- Farhat and Iqbal, 1976: 215-220 Microcerotermes heimi; sex pheromones; mating behavior.
- Mathot, 1978: 56 Microcerotermes heimi; collection catalog; types listed.
- Thakur, 1980b: 126 Microcerotermes heimi; ecology; distribution. India.
- Akhtar, 1983: 279, 287, 288, figs. 1J, 5 Microcerotermes heimi; key; soldier figured; damage; distribution. Pakistan.
- Kayani and Sheikh, 1983: 14, 15 Microcerotermes heimi; ecology. Pakistan.
- Thakur, 1984a: 497 Microcerotermes heimi; checklist; distribution.
- Ahmad, 1986: 17 Microcerotermes heimi; distribution. Pakistan: North West Frontier Province, Punjab, Sind.
- Akhtar and Parveen, 1989: 2, 23, 24, fig. 11 Microcerotermes heimi; key; worker described and figured. Pakistan.
- Roonwal and Chhotani, 1989: 88 Microcerotermes heimi; sex ratio discussed.

- Thakur, 1989b: 361 Microcerotermes heimi; distribution. India.
- Thakur (R.K.), 1989: 31, 35–36, fig. 26 *Microcerotermes heimi*; key; synonymy; soldier measurements and figure; distribution. India.
- Thakur (R.K.), 1991: 9, 16, 24, 36 *Microcerotermes heimi*; ecology; biology; damage; distribution. India; Pakistan; Sri Lanka.
- Maiti and Chakraborty, 1994: 62, 69 Microcerotermes heimi; comparisons.
- Thakur, 1994: 460 Microcerotermes heimi; ecology; distribution.
- Verma and Rathore, 1995: 23, 26, 28 *Microcerotermes heimi*; synonymy; key; distribution. India; Pakistan.
- Rathore, 1996: 173 Microcerotermes heimi; ecology; distribution. India.
- Chhotani, 1997: 178–182, figs. 82–83 *Microcerotermes heimi*; imago, soldier, worker described and figured; synonymy; key. India; Sri Lanka.
- Ahmad and Akhtar, 2002: 56 Microcerotermes heimi; catalog. India; Pakistan.
- Rathore and Tak, 2004a: 61 Microcerotermes heimi; synonymy; soldier described; distribution.
   India; Sri Lanka.
- Rathore and Bhattacharyya, 2004: 12, 29–30, pl. 4: fig. 31 *Microcerotermes heimi*; key; checklist; soldier figured; ecology; distribution. India; Sri Lanka.
- Roy, 2005: 140 Microcerotermes heimi; checklist; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Assam, Gujarat, Karnataka, Kerala, Maharashtra, Rajasthan; Pakistan; Sri Lanka.

# Microcerotermes hypaenicus Fuller, 1925

*Microcerotermes hypaenicus* Fuller, 1925b: 235 (imago, soldier).

TYPE DATA: Lectotype: NCIP imago ♂. Paralectotypes: AMNH imago, NCIP imago, soldier [soldier missing fide Ruelle, 1975b].

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Natal, Mbazwane Swamp, 15 miles S Lake Sibayi [27°30′S, 32°40′E].

- Snyder, 1949a: 140 Microcerotermes hypaenicus; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 116 Microcerotermes hypaenicus; measurements.
- Ruelle, 1975b: 9 *Microcerotermes hypaenicus*; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Microcerotermes ilalazonatus Fuller, 1925

Microcerotermes ilalazonatus Fuller, 1925b: 236 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imago, soldier, workers, NCIP imagoes, soldiers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Natal: near Gingeles Kraal at the head of the Uyange swamp, 7 miles N of Mkuze River on old route to Sibayi [27°33′S, 32°25′E].

- Snyder, 1949a: 140 Microcerotermes ilalazonatus; catalog. South Africa.
- Bouillon and Mathot, 1971: table, no. 117 Microcerotermes ilalazonatus; measurements.
- TISTRIBUTION: Ethiopian Region—South Africa.

# Microcerotermes implacidus Hill, 1942

Microcerotermes implacidus Hill, 1942: 452-454 (imago, soldier), figs. 352, 353.

Type data: Holotype: ANIC No. 9130 soldier. Paratypes: ANIC No. 10 4263 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

Type LOCALITY: Australia: New South Wales: 32 km SE Griffith.

- Snyder, 1949a: 140 Microcerotermes implacidus; catalog. Australia.
- Ratcliffe et al., 1952: 115–116, fig. 11I *Microcerotermes implacidus*; soldier figured; characters; biology; distribution.
- Roonwal and Pant, 1953: 51 Microcerotermes implacidus; collection catalog. Australia.
- Mathur and Thapa, 1962a: 48 Microcerotermes implacidus; collection catalog. Australia.
- Gay and Calaby, 1970: 431 Microcerotermes implacidus; biology; distribution. Australia.
- Watson et al., 1978b: 102, 105, 106 Microcerotermes implacidus; distribution; ecology.
- Watson and Abbey, 1993b: 120, fig. 203 Microcerotermes implacidus; distribution map.
- Watson et al., 1998: 231 *Microcerotermes implacidus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, Victoria.

#### Microcerotermes indistinctus Mathews, 1977

*Microcerotermes indistinctus* Mathews, 1977: 108–111 (imago, soldier, worker), figs. 42, 43, pls. 17, 18.

Type data: Holotype: MZUSP soldier. Paratypes: BMNH imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, MZUSP imagoes, soldiers, workers.

Type locality: Brazil: Mato Grosso: Serra do Ronchador [12°49′S, 51°46′W].

- Araujo, 1977c: 64 Microcerotermes indistinctus; catalog. Brazil.
- Constantino and Cancello, 1993: 404 Microcerotermes indistinctus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 203 Microcerotermes indistinctus; catalog. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil: Mato Grosso.

#### †Microcerotermes insulans Krishna and Grimaldi, 2009

†Microcerotermes insulans Krishna and Grimaldi, 2009: 20-21 (imago), figs. 14-16, table 6.

Type data: Holotype: AMNH DR 10-1526 imago in amber.

Type locality: Dominican Republic: ?Cordillera Septentrionalis, 30 km NE of Santiago.

- © DISTRIBUTION: Neotropical Region—Dominican Republic.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### *Microcerotermes insularis* Maiti and Chakraborty, 1994

Microcerotermes insularis Maiti and Chakraborty, 1994: 65-70 (soldier, worker), fig. 6.

TYPE DATA: Holotype: ZSI No. 3178/H11 soldier. Paratypes: ZSI No. 3179/H11 soldier, workers. Type LOCALITY: India: Andaman Islands: Middle Andaman Island: Bakultala.

© DISTRIBUTION: Oriental Region—India: Andaman Islands.

#### Microcerotermes kudremukhae Chhotani, 1997

Microcerotermes kudremukhae Chhotani, 1997: 182-184 (soldier, worker), fig. 84.

Type data: Holotype: ZSI soldier. Paratypes: ZSI workers.

Type Locality: India: Karnataka: 11 km from Kudremukh: Koppa Division, Kalasa Forest Range.

- Ahmad and Akhtar, 2002: 56 Microcerotermes kudremukhae; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Karnataka.

#### Microcerotermes kwazulu Fuller, 1925

Microcerotermes kwazulu Fuller, 1925b: 229 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imagoes, soldiers, workers, NCIP imagoes, soldiers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated. Type locality: South Africa: Natal: Nibele, at N tip of Lake St. Lucia [27°50′S, 32°25′E].

- Snyder, 1949a: 141 Microcerotermes kwazulu; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 118 Microcerotermes kwazulu; measurements.
- Ruelle, 1975b: 9 Microcerotermes kwazulu; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

# Microcerotermes labioangulatus Sen-Sarma and Thakur, 1975

*Microcerotermes labioangulatus* Sen-Sarma et al., 1975: 13, 54 (soldier) [Original description includes a mention in a key (with differentiating characters from other species), and in a list with locality data; authorship is clearly attributed to Sen-Sarma and Thakur on p. 13.]

Type data: Lectotype: FRI soldier. Paralectotypes: FRI soldiers, workers, ZSI soldier, worker. Lectotype designation: Sen-Sarma and Thakur, 1979: 18 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: India: Tripura: Ambasa, Zoelchara; see Sen-Sarma and Thakur, 1979: 18 [type locality fixed by selection of lectotype; however, the specific type locality was omitted from the 1975 publication; it is assumed that this was an error, as all the material listed in 1979 was collected in January, 1971 and constitutes the whole type series as available to Sen-Sarma and Thakur when preparing the 1975 paper].

- Sen-Sarma et al., 1975: 54, 65 Microcerotermes labioangulatus; distribution and ecology. India.
- Sen-Sarma and Thakur, 1979: 5, 16–18, pls. 6, 7 *Microcerotermes labioangulatus*; soldier, worker described and figured [incorrectly as n. sp.]; key; distribution. India.
- Verma, 1984a: 82 Microcerotermes labioangulatus; distribution. India: Tripura, Nagaland.
- Verma, 1995a: 48 Microcerotermes labioangulatus; distribution. India: western Himalaya.
- Chhotani, 1997: 184–186, fig. 85 *Microcerotermes labioangulatus*; soldier, worker described and figured; synonymy; key. India.
- Bose, 1999: 31 Microcerotermes labioangulatus; key.
- Maiti et al., 2000: 296, 301 Microcerotermes labioangulatus; listed; key; distribution. India.
- Ahmad and Akhtar, 2002: 56 Microcerotermes labioangulatus; catalog. India.
- C DISTRIBUTION: Oriental Region—India: Andhra Pradesh, Nagaland, Tripura, Uttar Pradesh.

#### Microcerotermes lahorensis Akhtar, 1974

Microcerotermes lahorensis Akhtar, 1974a: 49-51 (soldier, worker), fig. 14.

Type data: Holotype: ZUPL soldier [no paratypes in AMNH (and probably not in other museums cited by Akhtar, 1974a: 23–24), possibly due to small size of type series]. Paratypes: ZUPL workers.

Type locality: Pakistan: Lahore.

- Chaudhry et al., 1972: 48 Microcerotermes lahorensis; nomen nudum; biology; distribution.
   Pakistan.
- Akhtar, 1974b: 102 Microcerotermes lahorensis; distribution. Pakistan.
- Ahmad, 1986: 17 Microcerotermes lahorensis; distribution. Pakistan: Punjab.
- Chhotani, 1997: 186–187, fig. 86 Microcerotermes lahorensis; soldier described and figured; synonymy; key. Pakistan.
- Ahmad and Akhtar, 2002: 56 Microcerotermes lahorensis; catalog. Pakistan.
- © DISTRIBUTION: Oriental Region—Pakistan.

#### *Microcerotermes lateralis* (Walker, 1853)

*Termes lateralis* Walker, 1853: 523 (imago) [Snyder, 1949a placed *lateralis* in *Anoplotermes*, following Silvestri, 1914].

Type data: Holotype: BMNH imago.

Type locality: Sierra Leone.

- Walker, 1853: 509 *Termes fatalis*; soldier described; distribution. Sierra Leone [identification uncertain].
- Hagen, 1855: 291 Termes lateralis; discussion.
- Hagen, 1858b: 30 *Termes (Entermes [sic]) lateralis*; imago described, measured; synonymy; distribution.
- Hagen, 1858c: 215–216, 241 *Termes (Eutermes) lateralis*; imago described; synonymy; distribution. Sierra Leone.
- Hagen, 1860b: 110 Termes lateralis; listed.
- Sjöstedt, 1900a: 165-168 Eutermes lateralis [imago from Sierra Leone only]; new combination.
- Desneux, 1904b: 43 Termes (Eutermes) lateralis; reference list; synonymy. Cameroon; Sierra Leone.
- Silvestri, 1914b: 51, 65 *Anoplotermes lateralis*; listed [misidentification for *Astalotermes benignus*; see Sands, 1972].
- Hegh, 1922: 496, 695 Anoplotermes lateralis [imago from Sierra Leone only]; reference list; distribution; new combination.
- Sjöstedt, 1926d: 289 *Anoplotermes lateralis*; reference list [part only]; locality. [Sierra Leone as type locality only; other localities = *Termes hospes*, not *M. lateralis*, fide Emerson].
- Snyder, 1949a: 106 *Anoplotermes lateralis*; catalog, reference list [excluding Silvestri, 1914] [Sierra Leone only; not Guinea and Cameroon records].
- Bouillon and Mathot, 1971: table: no. 85 Anoplotermes lateralis; listed.
- Sands, 1972: 5 Microcerotermes lateralis; synonymy; new combination. Sierra Leone.
- TISTRIBUTION: Ethiopian Region—Sierra Leone.

# Microcerotermes laticeps Holmgren, 1913

*Microcerotermes zuluensis laticeps* Holmgren, 1913d: 364 (soldier, worker).

Type data: Syntypes: NHMG soldiers, workers, NHRM soldier. Type locality: South Africa: Natal: Estcourt [29°S, 29°50′E].

- Hegh, 1922: 703 Microcerotermes zuluensis f. laticeps; reference list; distribution.
- Fuller, 1925b: 230 Microcerotermes laticeps; soldier characters; locality. South Africa.
- Sjöstedt, 1926d: 203 Microcerotermes zuluensis f. laticeps; listed; characters.
- Snyder, 1949a: 141 Microcerotermes laticeps; catalog; reference list. South Africa.
- Bouillon and Mathot, 1971: table: no. 119 *Microcerotermes laticeps*; measurements.
- TISTRIBUTION: Ethiopian Region—South Africa.

### †Microcerotermes latinotus Rosen, 1913 [nomen nudum]

- †*Microcerotermes latinotus* Rosen, 1913a: 333 (imago) [nomen nudum; Gum Copal (East Africa), Tanzania].
  - Snyder, 1949a: 376 Microcerotermes latinotus; catalog. Pleistocene, Gum copal, East Africa.
  - Spahr, 1992: 36 Microcerotermes latinotus; synonymy; Copal fossil.
- Tanzania.

# Microcerotermes laxmi Roonwal and Bose, 1964

Microcerotermes tenuignathus laxmi Roonwal and Bose, 1964: 29–31 (soldier, worker), pl. 4.

Type DATA: Holotype: ZSI No. 2452/H8 soldier. Paratypes: ZSI Nos. 2453/H8, 2454/H8, 2455/H8 workers.

Type Locality: India: Rajasthan: Bikaner District, ca. 50 km w of Bikaner: Kolayat.

- Roonwal and Bose, 1969: 441, pl. 22: fig. 6 *Microcerotermes tenuignathus laxmi*; reference list; key; soldier figured; distribution.
- Roonwal, 1975g: 399, 407, fig. 16.13 Microcerotermes laxmi; key; soldier described and figured; ecology; distribution; raised to species rank.
- Roonwal, 1976: 464, 466, 467, 468 Microcerotermes laxmi; ecology; biology; distribution. India.
- Chhotani, 1977a: 31 Microcerotermes laxmi; distribution. India.
- Roonwal and Verma, 1977b: 461 Microcerotermes laxmi; distribution.
- Roonwal and Bose, 1978: 325, 328 Microcerotermes laxmi; ecology; biology; distribution.
- Thakur, 1980b: 121, 126, fig. 2 Microcerotermes laxmi; soldier figured; ecology; distribution. India.
- Roonwal and Chhotani, 1989: fig. 10j Microcerotermes laxmi; soldier head figured.
- Thakur, 1994: 460 Microcerotermes laxmi; ecology; distribution.
- Verma and Rathore, 1995: 23, 26, 28 Microcerotermes laxmi; synonymy; key; distribution. India.
- Verma and Purohit, 1996: 238 *Microcerotermes laxmi*; listed. India: Rajasthan.
- Rathore, 1996: 173 Microcerotermes laxmi; ecology; distribution. India.
- Chhotani, 1997: 187–190, figs. 87–88 *Microcerotermes laxmi*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 57 Microcerotermes laxmi; catalog. [No locality cited].
- Rathore and Tak, 2004b: 75 Microcerotermes laxmi; synonymy; distribution. India: Rajasthan.
- Rathore and Bhattacharyya, 2004: 12, 30, 65, pl. 4: fig. 32 *Microcerotermes laxmi*; key; checklist; soldier figured; ecology; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Rajasthan.

#### Microcerotermes leai Hill, 1927

Microcerotermes leai Hill, 1927a: 70-73 (imago, soldier, worker), figs. 72-76, 186, 187.

Type data: Lectotype: SAMA soldier. Paralectotypes: SAMA imagoes, workers, NMV imagoes, soldier, worker, AMNH imagoes, soldier, worker.

LECTOTYPE DESIGNATION: Hill, 1942: 430 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: South Australia: Ooldea.

- Hill, 1942: 430, fig. 334 Microcerotermes leai; imago, soldier described and figured; synonymy; distribution. Australia.
- Snyder, 1949a: 141 Microcerotermes leai; catalog; reference list. Australia.
- Watson and Abbey, 1993b: 120, fig. 204 Microcerotermes leai; distribution map.
- Watson et al., 1998: 231 Microcerotermes leai; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory, South Australia.

### Microcerotermes limpopoensis Fuller, 1925

Microcerotermes limpopoensis Fuller, 1925b: 220-221 (imago, soldier), pl. 16: fig. 13.

Туре DATA: Lectotype: NCIP imago ♂. Paralectotypes: AMNH imago, worker, NCIP imagoes, workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: confluence of Zand and Limpopo rivers [22°10′S, 30°05′E].

- Snyder, 1949a: 141 Microcerotermes limpopoensis; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 120 Microcerotermes limpopoensis; measurements.
- Ruelle, 1975b: 9 *Microcerotermes limpopoensis*; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

# Microcerotermes longiceps Cachan, 1949

Microcerotermes longiceps Cachan, 1949: 232-236 (imago, soldier, worker), figs. 22-23.

Type data: Syntypes: ISM imagoes, soldiers, workers (Madagascar: Nosy Mamoko), ISM imagoes, soldiers, workers (Madagascar: Bas Sambirano), ISM imagoes, soldiers, workers (Madagascar: Joffreville), ISM imagoes, soldiers, workers (Madagascar: Behara).

Type localities: Madagascar: Nosy Mamoko, Bas Sambirano, Joffreville, Behara.

- Holmgren, 1909a: 9, fig. 2, pl. 1: fig. 2 *Microcerotermes sicorae* [part; two species mixed fide Emerson]; imago, soldier, worker described; nest figured.
- Cachan, 1950a: 112 Microcerotermes longiceps; listed.
- Cachan, 1951: 9 Microcerotermes longiceps; soldier measurements; localities. Madagascar.
- Paulian, 1970: 290 Microcerotermes longiceps; ecology; nest; distribution. Madagascar.
- Eggleton and Davies, 2003: 657, table 8.26 *Microcerotermes longiceps*; checklist; distribution.
   Madagascar and associated coastal islands.
- Tistribution: Ethiopian Region—Madagascar.

# Microcerotermes longignathus Ahmad, 1955

Microcerotermes longignathus Ahmad, 1955b: 248-249 (soldier), fig. 35.

Type data: Holotype: ZUPL soldier [only 7 soldiers in type series]. Paratypes: ZUPL soldiers, AMNH soldiers, workers.

Type LOCALITY: Pakistan: Baluchistan: Zhob District: Fort Sandeman.

- Ahmad, 1958: 168 Microcerotermes longignathus; key.
- Ahmad, 1962: 68 Microcerotermes longignathus; distribution. Pakistan.
- Roonwal and Bose, 1964: 31 *Microcerotermes longignathus*; comparisons.
- Prashad et al., 1967: 5, 7, 47, fig. 29 *Microcerotermes longignathus*; Ahmad's description and figure of soldier reproduced; key; reference list; distribution. Pakistan.
- Chaudhry et al., 1972: 48, 49, fig. 57 *Microcerotermes longignathus*; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 102 Microcerotermes longignathus; distribution. Pakistan.
- Akhtar, 1976: 161–163, fig. 2 *Microcerotermes longignathus*; imago (previously unknown) described and figured; locality. Pakistan.
- Chhotani, 1980: 41 Microcerotermes longignathus; listed. Pakistan.
- Ahmad, 1986: 17 *Microcerotermes longignathus*; distribution. Pakistan: Baluchistan.
- Verma and Rathore, 1995: 23, 26, 28 *Microcerotermes longignathus*; synonymy; key; distribution. Pakistan.
- Chhotani, 1997: 190–192, figs. 89–90 *Microcerotermes longignathus*; imago, soldier described and figured; synonymy; key. Pakistan.
- Ahmad and Akhtar, 2002: 57 Microcerotermes longignathus; catalog. Pakistan.
- ♠ DISTRIBUTION: Palaearctic Region—Pakistan: Baluchistan.

# Microcerotermes longimalatus Sjöstedt, 1925

*Microcerotermes longimalatus* Sjöstedt, 1925: 55 (soldier).

TYPE DATA: Syntypes: RGMC soldiers, NHRM soldiers, AMNH imagoes, soldier, worker. Type locality: Congo-Zaire (Belgian Congo): Kananga (Luluabourg) [5°53′S, 22°26′E].

- Sjöstedt, 1926d: 193, 195, 202, pl. 8: fig. E *Microcerotermes longimalatus*; imago (previously unknown), soldier described; soldier figured; reference list; key; locality. Congo-Zaire.
- Snyder, 1949a: 141 Microcerotermes longimalatus; catalog; reference list. Congo-Zaire.
- Webb, 1961: fig. 41 Microcerotermes longimalatus; soldier figured.
- Bouillon and Mathot, 1971: table: no. 121 Microcerotermes longimalatus; measurements.
- Mathot, 1974: 13 Microcerotermes longimalatus; collection catalog; types listed.
- TISTRIBUTION: Ethiopian Region—Congo-Zaire.

#### Microcerotermes losbanosensis Oshima, 1914

*Microcerotermes losbanosensis* Oshima, 1914a: 583–584 (soldier, worker), pl. 10: fig. 6 [described as "*los-banosensis*"].

TYPE DATA: Syntypes: AMNH soldiers, workers. Type locality: Philippines: Luzon: Los-Banos.

- Oshima, 1915: 53–54 *Microcerotermes los-banosensis*; soldier, worker described. Philippines.
- Oshima, 1916: 365–366, pl. 1: fig. 11 *Microcerotermes los-banosensis*; soldier, worker described and figured. Philippines.
- Oshima, 1917a: 225 *Microcerotermes los-banosensis*; locality. Philippines.

- Oshima, 1920b: 508-510 Microcerotermes los-banosensis; imago, worker described. Philippines.
- Light, 1921a: 254 *Microcerotermes los-banosensis*; distribution. Philippines.
- Light, 1930f: 20 Microcerotermes los-banosensis; listed. Philippines.
- Snyder, 1949a: 141 Microcerotermes losbanosensis; catalog; reference list. Philippines.
- Noirot, 1956: 150 Microcerotermes los-banosensis; supplementary reproductives.
- Ahmad, 1958: 165, 170 Microcerotermes los-banosensis; key.
- Snyder and Francia, 1962: 64, 67, 69, 74, 75 Microcerotermes los-banosensis; key; distribution; biology. Philippines. Microcerotermes distans [misidentification]; key; distribution; biology. Philippines.
- Mathur and Thapa, 1962a: 48 Microcerotermes los-banosensis; collection catalog. Philippines.
- Roonwal and Maiti, 1966: 97 Microcerotermes los-banosensis; comparisons.
- Roonwal et al., 1974: 57, 60, 64, fig. 13 Microcerotermes los-banosensis; wing micrasters.
- Morimoto, 1976b: 29 Microcerotermes losbanosensis; key; distribution.
- Roonwal, 1977d: fig. 4b Microcerotermes losbanosensis; wing microsculpturing; wing figured.
- Roonwal and Verma, 1980a: 259, fig. 3N Microcerotermes los-banosensis; wing microsculpturing.
- Tho, 1992: 206 Microcerotermes los-banosensis; listed.
- Ahmad and Akhtar, 2002: 57 Microcerotermes los-banosensis; catalog. Philippines.
- Acda, 2004b: 159-168 Microcerotermes losbanosensis; damage; distribution. Philippines.
- ♠ DISTRIBUTION: Oriental Region—Philippines: Luzon.

#### Microcerotermes luluai Roisin and Pasteels, 2000

*Microcerotermes luluai* Roisin and Pasteels, 2000: 145–146 (imago, soldier, worker), figs. 13–17, 56, pl. 1B.

Type data: Holotype: RIB soldier. Paratypes: RIB imagoes, soldiers, workers. Type locality: Papua New Guinea: Southern Highlands: Pimaga, 950 m.

DISTRIBUTION: Papuan Region—Papua New Guinea.

### Microcerotermes macacoensis Sjöstedt, 1925

Microcerotermes macacoensis Sjöstedt, 1925: 55 (soldier).

Type data: Syntypes: RGMC soldiers, NHRM soldiers.

Type locality: Congo-Zaire (Belgian Congo): Luebo (Macaco).

- Sjöstedt, 1926d: 195, 205 Microcerotermes macacoensis; reference list; key; remarks; locality. Congo-Zaire.
- Snyder, 1949a: 141 Microcerotermes macacoensis; catalog; reference list. Congo-Zaire.
- Bouillon, 1958: 199 Microcerotermes macacoensis; distribution. Congo-Zaire.
- Bouillon and Mathot, 1971: table: no. 122 Microcerotermes macacoensis; measurements.
- Mathot, 1974: 14 Microcerotermes macacoensis; collection catalog; types listed.
- TISTRIBUTION: Ethiopian Region—Congo-Zaire.

## Microcerotermes madurae Kemner, 1934

Microcerotermes madurae Kemner, 1934b: 162-163 (soldier, worker), figs. 47.3-4.

Type data: Syntypes: ZMLU soldiers, workers, AMNH soldiers, workers, FRI worker.

Type locality: Indonesia: Java: Madura: Bankalan.

- Snyder, 1949a: 142 Microcerotermes madurae; catalog. Madura Island, near Java.
- Ahmad, 1958: 194 Microcerotermes medurae [sic]; key.
- Mathur and Thapa, 1962a: 48 Microcerotermes madurae; collection catalog. Indonesia.
- Roonwal, 1970c: 350 Microcerotermes madurae; biology; distribution.
- Akhtar, 1974a: 49 Microcerotermes madurae; comparisons.
- Morimoto, 1976b: 29 Microcerotermes madurae; key; distribution.
- Tho, 1992: 206 Microcerotermes madurae; listed.
- Ahmad and Akhtar, 2002: 57 Microcerotermes madurae; catalog. Indonesia: Java.
- Gathorne-Hardy, 2004: 120 Microcerotermes madurae; checklist; distribution. Indonesia: Java.
- © DISTRIBUTION: Oriental Region—Indonesia: Java.

# *Microcerotermes major* (Cachan, 1951)

Gibbotermes major Cachan, 1951: 14-15 (soldier), fig. 27.

Type data: Syntypes: ISM soldiers (Madagascar: Sambirano, Nosy-Mamoka), ISM soldiers (Madagascar: Joffreville), ISM soldiers, workers (Madagascar: Antsingy), ISM soldiers (Madagascar: Betroka), ISM soldiers, workers (Madagascar: Beloha [soldiers from Madagascar: Beloha do not belong to this species and are now placed in an undescribed new species fide Emerson]), AMNH soldier (Madagascar: Sambirano, Nosy-Mamoka), AMNH soldier, worker (Madagascar: Antsingy), AMNH soldier (Madagascar: Joffreville), AMNH soldiers, workers (Madagascar: Beloha [soldiers from Madagascar: Beloha do not belong to this species and are now placed in an undescribed new species fide Emerson]).

Type Localities: Madagascar: Sambirano, Nosy-Mamoka, Joffreville, Antsingy, Betroka.

- Paulian, 1970: 291 Microcerotermes major; associations; distribution; new combination. Madagascar.
- Eggleton and Davies, 2003: 657, table 8.26 Microcerotermes major; checklist; distribution.
   Madagascar and associated coastal islands.
- Tistribution: Ethiopian Region—Madagascar.

#### Microcerotermes maliki Akhtar, 1974

Microcerotermes maliki Akhtar, 1974a: 51–54 (soldier, worker), figs. 15–16.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, ZUPL soldiers, workers, FRIP soldier, worker [could be from type locality or Hangu], FESG soldier, worker [could be from type locality or Hangu], AMNH soldier, worker [never received; could be from type locality or Hangu].

Type locality: Pakistan: Peshawar.

- Chaudhry et al., 1972: 49 Microcerotermes maliki; nomen nudum; biology; distribution.
   Pakistan.
- Akhtar, 1974b: 102 Microcerotermes maliki; distribution. Pakistan.
- Ahmad, 1986: 17 *Microcerotermes maliki*; distribution. Pakistan: North West Frontier Province.
- Chhotani, 1997: 192–194, fig. 91 *Microcerotermes maliki*; soldier described and figured; synonymy; key. Pakistan.
- Ahmad and Akhtar, 2002: 57 Microcerotermes maliki; catalog. Pakistan.
- © DISTRIBUTION: Oriental Region—Pakistan.

# Microcerotermes malmesburyi Fuller, 1925

Microcerotermes malmesburyi Fuller, 1925b: 241-242 (imago, soldier).

Type data: Lectotype: NCIP king. Paralectotypes: AMNH queen, workers, NCIP queen, soldier, workers [queen and soldier missing fide Ruelle, 1975b].

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Cape Province: Malmesbury [33°28′S, 18°43′E].

- Snyder, 1949a: 142 Microcerotermes malmesburyi; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 123 Microcerotermes malmesburyi; measurements.
- Ruelle, 1975b: 9 *Microcerotermes malmesburyi*; types listed.
- Uys, 2002: figs. 195–197 Microcerotermes malmesburyi; soldier figured.
- TISTRIBUTION: Ethiopian Region—South Africa.

# Microcerotermes mandibularis (Cachan, 1951)

Gibbotermes mandibularis Cachan, 1951: 12 (soldier), fig. 23.

TYPE DATA: Syntypes: ISM soldiers (Madagascar: Betroka), ISM soldiers (Madagascar: Isalo), AMNH soldiers (Madagascar: Betroka), NCIP soldier (Madagascar: Isalo) [incorrectly cited as paratype by Ruelle, 1975b].

Type localities: Madagascar: Betroka, Isalo.

- Paulian, 1970: 291 Microcerotermes mandibularis; association; distribution; new combination. Madagascar.
- Ruelle, 1975b: 9 Microcerotermes mandibularis; types listed.
- Eggleton and Davies, 2003: 657, table 8.26 Microcerotermes mandibularis; checklist; distribution. Madagascar and associated coastal islands.
- Tistribution: Ethiopian Region—Madagascar.

#### Microcerotermes manjikuli Sen-Sarma, 1966

Microcerotermes manjikuli Sen-Sarma, 1966b: 198–202 (imago, soldier, worker), figs. 1, 2.

Type data: Holotype: FRI soldier [imago, soldier and workers not mentioned under discussion of type specimens]. Paratypes: FRI soldiers.

Type Locality: Thailand: Pathaloong.

© DISTRIBUTION: Oriental Region—Thailand.

# Microcerotermes marilimbus Ping and Xu, 1984

Microcerotermes marilimbus Ping and Xu, 1984: 47-49, 52 (imago, soldier), fig. 3.

Type data: Holotype: GIEC I. No. E 3093 soldier, morphotype queen. Paratypes: GIEC I. No. E 3093 soldiers, workers, GIEC I. No. E 2193 soldiers, workers, GIEC I. No. E 2975 soldiers, workers.

Type locality: China: Hainan Island: Wanning County [18°N, 110°E].

- Huang et al., 1989: 395, fig. 282 *Microcerotermes marilimbus*; imago, soldier described and figured. China: Hainan.
- Gao and Lam, 1992: 65 *Microcerotermes marilimbus*; key.

- Gao et al., 1992a: 45 Microcerotermes marilimbus; checklist; distribution. China: Guangdong.
- Hua, 2000: 27 Microcerotermes marilimbus; listed. China: Hainan.
- Huang et al., 2000: 551–553, fig. 310 *Microcerotermes marilimbus*; imago, soldier described and figured. China.
- Ahmad and Akhtar, 2002: 57 Microcerotermes marilimbus; catalog. China.
- DISTRIBUTION: Oriental Region—China: Guangdong, Hainan.

#### Microcerotermes masaiaticus Harris, 1954

Microcerotermes masaiaticus Harris, 1954e: 127-129 (imago, soldier, worker), fig. 1.

Type data: Holotype: BMNH imago ♀. Paratypes: BMNH imagoes, soldier, AMNH imago, AMNH soldier [not type locality], BMNH soldiers [not type locality], NCIP soldiers [not type locality].

Type locality: Kenya: in Rift Valley S of Longonot Mountain.

- Kemp, 1955: 114, 126 Microcerotermes masaiaticus; ecology; distribution based on vegetation zones. Tanzania.
- Harris, 1961a: fig. 20 Microcerotermes massaiaticus [sic]; imago, wings figured.
- Bouillon and Mathot, 1965: 41 Microcerotermes masaiaticus; catalog. Kenya; Tanzania.
- Hocking, 1965: 84 Microcerotermes masaiaticus; locality. Tanzania.
- Bouillon and Mathot, 1971: table: no. 124 Microcerotermes masaiaticus; measurements.
- Ruelle, 1975b: 9 *Microcerotermes masaiaticus*; types listed.
- Wanyonyi et al., 1984: 4 Microcerotermes masaiaticus; checklist; distribution. Kenya; Tanzania.
- Tanzania.

# Microcerotermes minor Holmgren, 1914

Microcerotermes heimi minor Holmgren, 1914: 285 (soldier, worker).

Type data: Syntypes: ZIHS soldiers, workers.

Type locality: Sri Lanka (Ceylon): Maha Iluppalama.

- Snyder, 1949a: 140 Microcerotermes heimi minor; catalog. Sri Lanka.
- Mathur and Thapa, 1962a: 47 Microcerotermes ?heimi f. minor; collection catalog. India.
- Prashad et al., 1967: 6, 48–50, figs. 30, 31 *Microcerotermes minor*; soldier, worker described and figured; key; reference list; distribution. India; Sri Lanka.
- Sen-Sarma, 1974: 424 Microcerotermes minor; ecology and biogeography. India.
- Sen-Sarma et al., 1975: 1, 65 Microcerotermes minor; distribution and ecology. India.
- Thakur, 1975b: 565–568, pl. 1 *Microcerotermes minor*; imago (previously unknown) described and figured. India: Andhra Pradesh.
- Roonwal, 1978c: 18 Microcerotermes minor; damage; biology; distribution.
- Roonwal and Verma, 1980a: 259, figs. 4F–G *Microcerotermes minor*; wings described; wing microsculpturing.
- Thakur and Sen-Sarma, 1980c: 12 Microcerotermes minor; damage.
- Sen-Sarma, 1982: 142-146 Microcerotermes minor; damage. Oriental Region.
- Bose, 1984: 126, 136 Microcerotermes minor; key; synonymy; measurements; soldier figured; distribution; biology. India; Sri Lanka.
- Thakur, 1989b: 361 Microcerotermes minor; distribution. India; Sri Lanka.
- Ferry, 1992: 193–211 Microcerotermes minor; ecology; distribution. India: Karnataka.
- Verma, 1994: 333 Microcerotermes minor; damage; distribution.
- Maiti and Chakraborty, 1994: 69 Microcerotermes minor; comparisons.
- Verma, 1995b: 45 Microcerotermes minor; damage; distribution.

- Chhotani, 1997: 194–196, figs. 92–93 *Microcerotermes minor*; imago, soldier, worker described and figured; synonymy; key. India; Sri Lanka.
- Ahmad and Akhtar, 2002: 57 Microcerotermes minor; catalog. India.
- 🔇 DISTRIBUTION: Oriental Region—India: Andhra Pradesh, Karnataka, Tamil Nadu; Sri Lanka.

#### Microcerotermes minutus Ahmad, 1965

Microcerotermes minutus Ahmad, 1965: 65–66 (imago, soldier, worker), figs. 62–63.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL imagoes, workers, AMNH imago. Type locality: Thailand: Wang Nok An.

- Harris, 1968d: 146 Microcerotermes minutus; locality. Thailand.
- Morimoto, 1973a: 77 Microcerotermes minutus; listed.
- Morimoto, 1976b: 29 Microcerotermes minutus; key; distribution.
- Thrower, 1986: 11 *Microcerotermes* sp. nr. *minutus*; soldier figured; distribution. China: Hong Kong.
- Gao et al., 1992a: 45 Microcerotermes minutus; checklist; distribution. China: Hong Kong.
- Tho, 1992: 206 Microcerotermes minutus; listed.
- Maiti and Chakraborty, 1994: 69 Microcerotermes minutus; comparisons.
- Gao, 1995a: 2 Microcerotermes minutus; checklist. Hong Kong.
- Gao et al., 1996: 89–90, fig. 7.32 *Microcerotermes minutus*; soldier described and figured. Hong Kong.
- Ahmad and Akhtar, 2002: 57 Microcerotermes minutus; catalog. China: Hong Kong; Thailand.
- Takematsu et al., 2003: 587, fig. 3B Microcerotermes minutus; soldier figured. Thailand.
- Sornnuwat et al., 2004: 364 Microcerotermes minutus; checklist; distribution. Thailand.
- Houseman, 2005: 237 Microcerotermes minutus; distribution. Thailand.
- Inoue et al., 2005: 674, 675 Microcerotermes minutus; soldier measurements. Thailand.
- © DISTRIBUTION: Oriental Region—China: Hong Kong; Thailand.

### Microcerotermes mzilikazi Fuller, 1925

Microcerotermes mzilikazi Fuller, 1925b: 223–224 (imago, soldier).

TYPE DATA: Lectotype: NCIP imago ♂. Paralectotypes: NCIP soldiers [not type locality], AMNH imagoes, NCIP imagoes.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Pretoria: Sunnyside [25°45′S, 28°12′E]; see Ruelle, 1975b: 9.

- Coaton, 1947: 151-152 Microcerotermes mzilikazi; nest described; biology. South Africa.
- Snyder, 1949a: 142 Microcerotermes mzilikazi; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 125 Microcerotermes mzilikazi; measurements.
- TISTRIBUTION: Ethiopian Region—South Africa.

#### *Microcerotermes nanulus* Sjöstedt, 1925

Microcerotermes nanulus Sjöstedt, 1925: 54 (soldier).

Type data: Syntypes: MNHP soldiers, NHRM soldiers, AMNH soldier, workers.

Type locality: Benin (Dahomey): Agouagou.

- Sjöstedt, 1926d: 195, 206 *Microcerotermes nanulus*; imago, worker (both previously unknown), soldier described; reference list; key; locality. Benin.
- Snyder, 1949a: 142 Microcerotermes nanulus; catalog; reference list. Dahomey.
- Bouillon and Mathot, 1971: table: no. 126 Microcerotermes nanulus; measurements.
- Sands, 1998: 186, 395, figs. 660, 661 Microcerotermes nanulus; gut figured; distribution. Ivory Coast.
- TISTRIBUTION: Ethiopian Region—Benin; Ivory Coast.

### *Microcerotermes nanus* (Hill, 1915)

Termes nana Hill, 1915: 86-87 (soldier, worker).

Type data: Lectotype: NMV No. T-10857 soldier [Hill #100 is the only vial in type series]. Paralectotypes: NMV soldiers, workers, AMNH soldiers, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 231.

Type locality: Australia: Northern Territory: Darwin.

- Hill, 1921c: 23 Microcerotermes nanus; listed as pest; new combination; emended to nanus.
- Hill, 1927a: 67–70, pl. 2: figs. 67–71, pl. 6: fig. 183, pl. 9: fig. 184 *Microcerotermes nanus*; imago (previously unknown), soldier described and figured; biology; locality. Australia.
- Hill, 1935: 27 Microcerotermes nanus; listed.
- Hill, 1942: 431, fig. 335 *Microcerotermes nanus*; synonymy; "probably a small form of *M. serratus*." Australia.
- Snyder, 1949a: 142 Microcerotermes nanus; catalog; reference list. Australia.
- Watson et al., 1978b: 102, 105 Microcerotermes nanus; distribution; ecology.
- Watson and Abbey, 1993b: 121, fig. 205 Microcerotermes nanus; distribution map.
- Inoue et al., 1997b: 159–171 *Microcerotermes nanus*; symbionts; enzymes.
- Abensperg-Traun and Perry, 1998: 198 Microcerotermes nanus; biology; ecology; distribution.
- Watson et al., 1998: 231 Microcerotermes nanus; catalog; synonymy; distribution; ecology.
   Australia.
- Roisin and Pasteels, 2000: 164–165 Microcerotermes nanus; imago, soldier, worker described; synonymy. Australia.
- 🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

#### Microcerotermes nemoralis Harris, 1954

Microcerotermes nemoralis Harris, 1954e: 129-132 (imago, soldier, worker), fig. 2.

Type data: Holotype: BMNH imago ♀. Paratypes: BMNH imagoes, soldiers, workers, AMNH imagoes, soldier, workers, NCIP imago, soldier.

Type locality: Tanzania: Kasulu.

- Harris, 1961a: fig. 21 Microcerotermes nemoralis; imago/worker mandibles figured.
- Bouillon and Mathot, 1965: 41 Microcerotermes nemoralis; catalog. Tanzania; Zambia.
- Bouillon and Mathot, 1971: table: no. 127 Microcerotermes nemoralis; measurements.
- Ruelle, 1975b: 9 *Microcerotermes nemoralis*; types listed.
- Nkunika, 1982: 114 Microcerotermes nemoralis; ecology; distribution. Zambia.
- Wanyonyi et al., 1984: 4 Microcerotermes nemoralis; checklist; distribution. Tanzania.
- Tanzania; Zambia.

#### Microcerotermes nervosus Hill, 1927

*Microcerotermes nervosus* Hill, 1927a: 73–78 (imago, soldier, worker), pl. 3: figs. 77–81, pl. 6: fig. 188, pl. 8: fig. 218, pl. 9: fig. 189.

Type data: Lectotype: NMV No. T-10858 imago. Paralectotypes: NMV imagoes, soldiers, workers, ANIC imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, nymphs, NMV imagoes, workers [four series from non-type localities], AMNH imagos, workers, nymphs [four series from non-type localities], USNM imago, soldier [not type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 434 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type locality: Australia: Northern Territory: Darwin; see Hill, 1942: 434.

- Hill, 1942: 432–434, figs. 336, 337 *Microcerotermes nervosus*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 142 Microcerotermes nervosus; catalog; reference list. Australia.
- Roonwal and Pant, 1953: 52 Microcerotermes nervosus; collection catalog. Australia.
- Noirot, 1956: 150 *Microcerotermes nervosus*; supplementary reproductives.
- Mathur and Thapa, 1962a: 48 Microcerotermes nervosus; collection catalog. Australia.
- Ferrar and Watson, 1970: 101 *Microcerotermes nervosus*; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 431 Microcerotermes nervosus; biology; distribution. Australia.
- Roonwal et al., 1974: 57, 60, 65, fig. 14 Microcerotermes nervosus; wing micrasters.
- Watson et al., 1978b: 102, 105, 106 Microcerotermes nervosus; distribution; ecology.
- Roonwal and Verma, 1980a: 259, fig. 3O Microcerotermes nervosus; wing microsculpturing.
- Watson and Abbey, 1993b: 121, fig. 206 Microcerotermes nervosus; distribution map.
- Inoue et al., 1997b: 159–171 Microcerotermes nervosus; symbionts; enzymes; mtDNA sequences; phylogeny.
- Sugimoto et al., 1997: 211, 213, 216, 220 Microcerotermes nervosus; methane and hydrogen emissions. Australia.
- Abensperg-Traun and Perry, 1998: 197, fig. 4 *Microcerotermes nervosus*; biology; ecology; distribution.
- Tayasu et al., 1998: 536–542 *Microcerotermes nervosus*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 231 Microcerotermes nervosus; catalog; synonymy; distribution; ecology.
   Australia.
- Roisin and Pasteels, 2000: 167–168 Microcerotermes nervosus; imago, soldier, worker discussed; synonymy. Australia.
- Dawes-Gromadzki and Spain, 2003: 449–456 Microcerotermes nervosus; ecology; foraging; seasonality.
- Dawes-Gromadzki, 2003: 397-404 Microcerotermes nervosus; ecology; foraging.
- Bergamaschi et al., 2005: 239–242 Microcerotermes nervosus; 16S rDNA; maximum parsimony; maximum likelihood trees.

🔇 DISTRIBUTION: Australian Region—Australia: Northern Territory, Queensland, Western Australia.

#### Microcerotermes newmani Hill, 1927

Microcerotermes newmani Hill, 1927a: 78-81 (imago, soldier, worker), figs. 82-84, 190, 191.

Type data: Lectotype: NMV No. T-10859 imago ♀. Paralectotypes: NMV imago ♂, soldiers, ANIC No. 10 492 imagoes, workers, AMNH king, queen, soldiers, workers, AMNH imagoes, soldier, workers, nymphs [not type locality], USNM imago, worker [not type locality].

LECTOTYPE DESIGNATION: Hill, 1942: 435 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: Australia: Western Australia: Mundaring.

- Hill, 1935: 18 Microcerotermes newmani; biology.
- Hill, 1942: 434–435, figs. 338, 339 *Microcerotermes newmani*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 142 Microcerotermes newmani; catalog; reference list. Australia.
- Perry et al., 1985: 75, fig. 6D Microcerotermes newmani; characters; soldier figured; biology.
- Abensperg-Traun and de Boer, 1990: 226 Microcerotermes newmani; checklist; ecology; habitat; distribution. Australia.
- Abensperg-Traun, 1993: 37 Microcerotermes newmani; foraging; defense.
- Watson and Abbey, 1993b: 122, fig. 207 Microcerotermes newmani; distribution map.
- Abensperg-Traun and Perry, 1998: 199 Microcerotermes newmani; biology; ecology; distribution.
- Watson et al., 1998: 231–232 *Microcerotermes newmani*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: South Australia, Western Australia.

### Microcerotermes nicobarensis Roonwal and Bose, 1970

*Microcerotermes nicobarensis* Roonwal and Bose, 1970a: 146–154 (imago, soldier, worker), fig. 13, pl. 13: fig. 7.

Type data: Holotype: ZSI No. 3566/H8 soldier. Paratypes: ZSI Nos. 3567/H8, 3568/H8 imagoes, soldier, workers, ZSI No. 3569/H8 imago, soldier, workers, FRI imago, workers, AMNH imago, workers.

Type locality: India: Nicobar Islands: Car Nicobar Island: Arong village.

- Roonwal et al., 1974: 57, 60, 65, fig. 15 Microcerotermes nicobarensis; wing micrasters.
- Chhotani, 1977a: 31 Microcerotermes nicobarensis; distribution. India.
- Roonwal and Rathore, 1977: 309 Microcerotermes nicobarensis; wing microsculpturing.
- Maiti, 1979b: 133 Microcerotermes nicobarensis; distribution. India: Andaman and Nicobar Islands
- Bose, 1980: 101 Microcerotermes nicobarensis; distribution. India: Andaman Islands.
- Chhotani, 1980: 6, 41, fig. 12F Microcerotermes nicobarensis; soldier figured; key. India.
- Roonwal and Verma, 1980a: 259, fig. 3P Microcerotermes nicobarensis; wing microsculpturing.
- Mitra and Maiti, 1992: 502 Microcerotermes nicobarensis; checklist; biogeography. India: Andaman and Nicobar Islands.
- Maiti and Chakraborty, 1994: 10, 70–71 *Microcerotermes nicobarensis*; key; synonymy; imago, soldier measurements; distribution. India: Andaman and Nicobar Islands.
- Chhotani, 1997: 197–200, figs. 94–96 *Microcerotermes nicobarensis*; imago, soldier, worker described and figured; synonymy; key. India: Andaman and Nicobar Islands.
- Ahmad and Akhtar, 2002: 57 Microcerotermes nicobarensis; catalog. India: Andaman and Nicobar Islands.
- DISTRIBUTION: Oriental Region—India: Andaman and Nicobar Islands.

# Microcerotermes novaecaledoniae Holmgren and Holmgren, 1915

Microcerotermes novaecaledoniae Holmgren and Holmgren, 1915: 90–91 (soldier, worker) [described as "novae-calendoniae"; Hill, 1942: 437cited the type both as "cotypes" and "holotype soldier and morphotype worker"; he did not specify the locality of the "holotype." This should probably not be considered a lectotype designation by inference of holotype (as per ICZN, 1999, art. 74.6), based on contradictory and incomplete citation of data by Hill].

Type data: Syntypes: MHNB soldiers, workers (New Caledonia: Coné), MHNB soldiers, workers (New Caledonia: Bogota-Rücken, near Canala, 300 m), MHNB soldiers, workers (New Caledonia: Umgebung von Yaté, 200 m), MHNB soldiers, workers (New Caledonia: La Madeleine, ca. 200 m), AMNH soldiers, workers (New Caledonia: La Madeleine, ca. 200 m).

Type localities: New Caledonia: Coné, Bogota-Rücken, near Canala, 300 m, Umgebung von Yaté, 200 m, La Madeleine, ca. 200 m.

- Hill, 1942: 435–437, figs. 340, 341 *Microcerotermes novae-caledoniae*; imago, soldier described and figured; synonymy; distribution; biology. New Caledonia.
- Snyder, 1949a: 143 *Microcerotermes novae-caledoniae*; catalog; reference list. New Caledonia
- Bess, 1970: 473 Microcerotermes novae-caledoniae; listed. Papuan Region.
- © DISTRIBUTION: Papuan Region—New Caledonia.

# Microcerotermes pakistanicus Akhtar, 1974

Microcerotermes pakistanicus Akhtar, 1974a: 54-56 (soldier, worker), fig. 17.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, FRIP soldier, worker, FESG soldier, worker, AMNH soldier, worker, BMNH soldier, worker, ZUPL soldiers, workers [not type locality], ZUPL soldiers, workers [not type locality], .

Type Locality: Pakistan: North West Frontier Province: Parachinar.

- Chaudhry et al., 1972: 49 *Microcerotermes pakistanicus*; nomen nudum; biology; distribution. Pakistan.
- Akhtar, 1974b: 102 Microcerotermes pakistanicus; distribution. Pakistan.
- Morimoto, 1976a: 324 Microcerotermes pakistanicus; locality. Malaysia: Mainland.
- Ahmad, 1986: 17 *Microcerotermes pakistanicus*; distribution. Pakistan: North West Frontier Province, divided Kashmir.
- Verma, 1987a: 53–58, figs. 1, 2 *Microcerotermes pakistanicus*; imago (previously unknown), soldier, worker described and figured. India; Malaysia; Pakistan.
- Akhtar et al., 1992: 92 *Microcerotermes pakistanicus*; damage; altitudinal distribution. Pakistan: divided Kashmir.
- Verma and Rathore, 1995: 23, 26, 28 Microcerotermes pakistanicus; synonymy; key; distribution. Pakistan.
- Chhotani, 1997: 201–203, fig. 97 *Microcerotermes pakistanicus*; imago, soldier, worker described and figured; synonymy; key. India; Malaysia; Pakistan.
- Ahmad and Akhtar, 2002: 57 Microcerotermes pakistanicus; catalog. India; Malaysia; Pakistan.
- Ghayourfar, 2002a: 21 Microcerotermes pakistanicus; distribution. Iran.
- Ghayourfar, 2005c: 43 Microcerotermes pakistanicus; soldier measurements; comparisons.
- ♠ DISTRIBUTION: Oriental Region—India: Kerala; Malaysia: Mainland; Pakistan. ◆ Palaearctic Region—Iran.

## Microcerotermes palaearcticus (Sjöstedt, 1904)

Eutermes palaearcticus Sjöstedt, 1904: 79-80 (soldier, worker), pl. 1: figs. H1, H2.

Type data: Syntypes: MNHP soldier, workers [soldier not found by Emerson in 1957], NHRM workers, AMNH workers.

TYPE LOCALITY: Algeria: Laghouat.

- Desneux, 1904b: 44 Termes (Eutermes) palaearcticus; reference list; new combination. Algeria.
- Holmgren, 1912a: 122 Microcerotermes palaearcticus; listed; new combination. North Africa.
- Hegh, 1922: 445, 703 •  $Microcerotermes\ paloearcticus\ [sic];$  biology; reference list; distribution.
- Sjöstedt, 1926d: 195, 208 Microcerotermes palaearcticus; reference list; key; locality. Algeria.
- Snyder, 1949a: 143 Microcerotermes palaearcticus; catalog; reference list. North Africa.
- Spaeth, 1964: 30, 32 Microcerotermes palaearcticus; comparisons.
- Harris, 1970b: 308 Microcerotermes palaearcticus; distribution. Morocco; Algeria.
- Tunisia. Palaearctic Region—Algeria; Morocco; Tunisia.

# Microcerotermes palestinensis Spaeth, 1964

Microcerotermes palestinensis Spaeth, 1964: 30-32 (imago, soldier, worker), figs. 3-4.

Type data: Holotype: AMNH soldier. Paratypes: AMNH imagoes, workers, USNM worker, ZUPL worker, ZMH worker, BMNH soldiers, worker, AMNH imago, soldier, workers [several series from non-type localities], BMNH soldier, workers [not type locality].

Type Locality: Israel: Wadi Abyad (Nahal Lavan).

- Mathur and Thapa, 1962a: 48 Microcerotermes palestinensis [nomen nudum; Emerson MS name published by Mathur and Thapa, 1962 and incorrectly credited to Emerson]; collection catalog. Palestine.
- Harris, 1970b: 308 Microcerotermes palestinensis; distribution. Israel.
- Roonwal, 1974b: 193-194 Microcerotermes palestinensis; authorship discussed. India.
- Roonwal et al., 1974: 57, 60, 65, fig. 16 Microcerotermes palestinensis; wing micrasters.
- Roonwal, 1976: 464, 468, 486 *Microcerotermes palestinensis*; ecology; biology; distribution. India
- Roonwal and Verma, 1977b: 439–440, 461, fig. 7 Microcerotermes palestinensis; soldier described and figured; ecology; distribution. India; Israel.
- Roonwal and Verma, 1980a: 259–260, fig. 3Q *Microcerotermes palestinensis*; wing microsculpturing.
- Thakur, 1980b: 116, 124, 126, fig. 2 *Microcerotermes palestinensis*; soldier figured; ecology; distribution. India; Israel.
- Kugler, 1988: 270, 272 *Microcerotermes palestinensis*; possible synonym of *diversus*, as suggested by Sands, Williams and Bacchus; distribution. Israel.
- Thakur (R.K.), 1989: 31, 36–37, fig. 27 *Microcerotermes palestinensis*; key; synonymy; soldier measurements and figure; distribution. India; Israel.
- Thakur (R.K.), 1991: 9, 16, 24, 36 *Microcerotermes palestinensis*; ecology; biology; damage; distribution. India; Israel.
- Thakur, 1994: 460 Microcerotermes palestinensis; ecology; distribution.
- Verma and Rathore, 1995: 23, 26, 28 Microcerotermes palestinensis; synonymy; key; distribution. India.
- Verma and Purohit, 1996: 238 *Microcerotermes palestinensis*; listed. India: Rajasthan.
- Rathore, 1996: 173, 174 Microcerotermes palestinensis; ecology; distribution. India.
- Chhotani, 1997: 203–205, figs. 98–99 *Microcerotermes palestinensis*; imago, soldier, worker described and figured; synonymy; key. India; Israel.

- Ahmad and Akhtar, 2002: 57 Microcerotermes palestinensis; India; Israel.
- Rathore and Tak, 2004a: 62 Microcerotermes palestinensis; synonymy; soldier, worker described; distribution. India; Israel.
- Rathore and Bhattacharyya, 2004: 12, 30, 32, 65, pl. 4: fig. 33 *Microcerotermes palestinensis*; key; checklist; soldier figured; distribution. India; Israel.
- ♠ DISTRIBUTION: Oriental Region—India: Gujarat; Rajasthan. ◆ Palaearctic Region—Israel.

# Microcerotermes papuanus Holmgren, 1911

Microcerotermes papuanus Holmgren, 1911b: 460-462 (imago, soldier, worker), fig. 4.

Type data: Lectotype: ZMB soldier. Paralectotypes: ZMB imagoes, workers, AMNH imagoes, soldier, workers, USNM worker.

LECTOTYPE DESIGNATION: Roisin and Pasteels, 2000: 153.

Type locality: Papua New Guinea: Tami.

- Holmgren, 1912a: 122 Microcerotermes papuanus; listed. New Guinea.
- Hill, 1927a: 33, 76 Microcerotermes papuanus; comparisons; locality. Papua New Guinea.
- Hill, 1942: 437–440, fig. 342 Microcerotermes papuanus; imago, soldier, worker described and figured; synonymy; distribution. Papua New Guinea.
- Snyder, 1949a: 143 Microcerotermes papuanus; catalog; reference list. New Guinea.
- Bess, 1970: 473 Microcerotermes papuanus; listed. Papuan Region.
- Roisin, 1990b: 83–90 Microcerotermes papuanus; caste differentiation; reproduction. Papua New Guiniea.
- Roisin and Pasteels, 2000: 153–156, figs. 2, 31–34, 58, pl. 1F *Microcerotermes papuanus*; imago, soldier, worker described and figured; synonymy; key. Papua New Guinea.
- © DISTRIBUTION: Papuan Region—Papua New Guinea.

# Microcerotermes paracelebensis Ahmad, 1965

Microcerotermes paracelebensis Ahmad, 1965: 66-68 (imago, soldier, worker), figs, 64-65.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

Type Locality: Thailand: Ka-Chong.

- Morimoto, 1973a: 64, 77 Microcerotermes paracelebensis; distribution. Thailand.
- Morimoto, 1976b: 29 *Microcerotermes paracelebensis*; key; distribution.
- Morimoto, 1976a: 326 Microcerotermes paracelebensis; locality. Malaysia: Mainland.
- Tho, 1992: 93, 199, 206 *Microcerotermes paracelebensis*; listed; Malaysia possible locality error by Morimoto, 1977; either *dubius = duplex* or *havilandi*.
- Ahmad and Akhtar, 2002: 57 Microcerotermes paracelebensis; catalog. Thailand.
- Takematsu et al., 2003: 592, fig. 3D Microcerotermes paracelebensis; soldier figured. Thailand.
- Gathorne-Hardy, 2004: 120 Microcerotermes paracelebensis; checklist; distribution. Malaysia: Mainland.
- Ohkuma et al., 2004: 701-710 Microcerotermes paracelebensis; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Microcerotermes paracelebensis; checklist; distribution. Thailand.
- Houseman, 2005: 237 *Microcerotermes paracelebensis*; distribution. Thailand.
- Inoue et al., 2005: 674, 675 Microcerotermes paracelebensis; soldier measurements. Thailand.
- © DISTRIBUTION: Oriental Region—Malaysia: Mainland; Thailand.

# Microcerotermes parviceps Mjöberg, 1920

Microcerotermes parviceps Mjöberg, 1920: 103-105 (imago, soldier, worker), figs. 53b, 54-55.

TYPE DATA: Lectotype: NHRM soldier. Paralectotypes: NHRM imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 232.

Type Locality: Australia: Queensland: Colosseum.

- Hill, 1927a: 70 Microcerotermes parviceps; locality. Australia.
- Hill, 1942: 441–442 Microcerotermes parviceps; synonymized with serratus.
- Snyder, 1949a: 145 Microcerotermes parviceps; catalog; listed as a synonym of M. serratus.
- Roisin and Pasteels, 2000: 165–167 Microcerotermes parviceps; valid name, the next available name, as Termes serratus Froggatt is preoccupied by Termes serratus Haviland.

*Termes serratus* Froggatt, 1898: 731–732 (soldier, worker), pl. 34: fig. 5 [published 4 June; a junior primary homonym of *T. serratus* Haviland, 1898, published 1 April, so earliest synonym *parviceps* is valid name for the species].

Type Data: Lectotype (whereabouts unknown): soldier [according to Hill "Hololectotype soldier and morpholectotype worker in Hill Collection in National Museum, Melbourne"; no "hololectotype" in AMNH or NMV, so probably lost; see Watson et al., 1998: 232]. Paralectotypes (whereabouts unknown): soldiers, workers.

Lectotype designation: Hill, 1942: 448 "Hololectotype" [= lectotype] designated.

Type locality: Australia: Queensland: Torrens Creek.

- Desneux, 1904b: 45 Termes (Eutermes) serratus; reference list. Australia.
- Froggatt, 1905: 27, 28 Termes serratus; characters; locality. Australia.
- Silvestri, 1909b: 304 Microcerotermes serratus; comparisons; new combination.
- Holmgren, 1912a: 122 Microcerotermes serratus; listed. Australia.
- Hill, 1915: 91 Termes turneri [misidentification]; locality. Australia.
- Mjöberg, 1920: 102, 105 Microcerotermes serratus; key; locality. Australia.
- Hill, 1927a: 60–64, pl. 2: figs. 57–59, 63, pl. 5: fig. 179, pl. 8: fig. 180 *Microcerotermes serratus*; imago, soldier described and figured; biology; locality. Australia.
- Hill, 1942: 441–448, figs. 344–347 *Microcerotermes serratus*; imago, soldier described and figured; synonymy [part, not *nanus* and *taylori*]; distribution; biology. Australia.
- Snyder, 1949a: 145 Microcerotermes serratus; catalog; synonymy. Australia.
- Gay, 1952: 127, fig. 1 Microcerotermes ?serratus; soldier intercaste described and figured.
- Ratcliffe et al., 1952: 115 Microcerotermes serratus; characters; biology; distribution.
- Roonwal and Pant, 1953: 52 Microcerotermes serratus; collection catalog. Australia.
- Calaby, 1956b: 120 Microcerotermes serratus; listed.
- Noirot, 1956: 150 *Microcerotermes serratus*; supplementary reproductives.
- Calaby, 1960: 196 Microcerotermes serratus; biology.
- Mathur and Thapa, 1962a: 48 Microcerotermes serratus; collection catalog. Australia.
- Ferrar and Watson, 1970: 101 Microcerotermes serratus; checklist; ecology; distribution. Australia.
- Gay and Calaby, 1970: 431, 433 Microcerotermes serratus; biology; distribution. Australia.
- Roonwal et al., 1974: 57, 60, 66, fig. 18 Microcerotermes serratus; wing micrasters.
- Roonwal, 1978d: 169 Microcerotermes serratus; biology; distribution.
- Watson et al., 1978b: 102, 105, 106 Microcerotermes serratus; distribution; ecology.
- Roonwal and Verma, 1980a: 260, fig. 3S Microcerotermes serratus; wing microsculpturing.
- Perry et al., 1985: 75 Microcerotermes serratus; remarks; biology.
- Watson and Abbey, 1993b: 123, fig. 209 Microcerotermes serratus; distribution map.
- Inoue et al., 1997b: 159-171 Microcerotermes serratus; symbionts; enzymes.
- Abensperg-Traun and Perry, 1998: 198 Microcerotermes serratus; biology; ecology; distribution.

- Watson et al., 1998: 232 *Microcerotermes serratus*; catalog; synonymy; distribution; ecology. Australia.
- Dawes-Gromadzki and Spain, 2003: 449–452 Microcerotermes serratus; ecology; foraging; seasonality.
- Dawes-Gromadzki, 2003: 397–404 Microcerotermes serratus; ecology; foraging.
- Jones, 2007: 83-86 *Microcerotermes serratus*; proposed conservation of the name *Termes serratus* Froggatt, case 3385.
- Roisin and Pasteels, 2007: 185–187 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.
- Jones, 2008: 47–49 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.
- Kirton, 2008: 132–134 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.
- Roisin, 2008: 134–136 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.
- Evans, 2009: 342–346 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.
- Lo, 2009: 347 Microcerotermes serratus; comments on the proposal to conserve the name Termes serratus Froggatt, case 3385.
- Creffield, 2009: 347 Microcerotermes serratus; comments on the proposal to conserve the name Termes serratus Froggatt, case 3385.
- Crozier, 2009: 347 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.
- Dawes, 2009: 348 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.
- Takematsu, 2011: 205–206 *Microcerotermes serratus*; comments on the proposal to conserve the name *Termes serratus* Froggatt, case 3385.

*Microcerotermes fugax* Hill, 1927a: 86–88 (imago, soldier, worker), pl. 3: figs. 89–94, pl. 6: fig. 194, pl. 7: fig. 220, pl. 9: fig. 195.

Type data: Lectotype: NMV No. T-10862 soldier. Paralectotypes: NMV imagoes, soldiers, workers, AMNH imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 232.

Type locality: Australia: Northern Territory: Stapleton [see Watson et al., 1998: 232. Hill's, 1927 statement of type locality had no validity, as there was no holotype designated by him].

— Hill, 1942: 441–442 • Microcerotermes fugax; synonymized with serratus.

Microcerotermes gladius Hill, 1927a: 81-83 (imago, soldier, worker), pl. 3: figs. 85-86.

Type data: Lectotype: NMV No. T-10861 soldier. Paralectotypes: NMV soldiers, workers, AMNH soldiers, workers, nymphs.

LECTOTYPE DESIGNATION: Watson et al., 1998: 232.

Type Locality: Australia: Queensland, near Cairns: Merinda.

— Hill, 1942: 441–442 • *Microcerotermes gladius*; synonymized with *serratus*.

*Microcerotermes mendicus* Hill, 1927a: 90–92 (imago, soldier, worker), pl. 3: figs. 98–102, pl. 6: fig. 198, pl. 9: fig. 199.

Type data: Lectotype: NMV No. T-10863 soldier. Paralectotypes: NMV imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, nymphs.

LECTOTYPE DESIGNATION: Watson et al., 1998: 232.

Type locality: Australia: Queensland: El Arish; see Watson et al., 1998: 232.

- Hill, 1942: 441–442 Microcerotermes mendicus; synonymized with serratus.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Northern Territory, Queensland, South Australia, Western Australia.

# Microcerotermes parvulus (Sjöstedt, 1911)

Eutermes parvulus Sjöstedt, 1911c: 159 (imago, soldier, worker).

Type data: Syntypes: NHRM imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, NCIP soldier [incorrectly cited as paratype by Ruelle, 1975b].

Type locality: Congo-Zaire (Congo): Mukimbungu.

- Holmgren, 1912a: 122 Microcerotermes parvulus; listed; new combination. Congo-Zaire.
- Sjöstedt, 1913a: 380 Eutermes (Microcerotermes) parvulus; key.
- Silvestri, 1914a: 69 *Microcerotermes parvulus* [misidentification; not *parvulus*]; biology; locality. Guinea
- Hegh, 1922: 438, 622, 702 Microcerotermes parvulus; biology; reference list; distribution.
- Sjöstedt, 1926d: 193, 195, 205 *Microcerotermes parvulus*; reference list; key; biology; locality. Congo-Brazzaville; Congo-Zaire; Guinea.
- Sjöstedt, 1926c: 243 Microcerotermes parvulus; locality. Ghana.
- Harris, 1936: 367 *Microcerotermes parvulus*; biology; distribution. Tanzania.
- Harris, 1941: 204 *Microcerotermes parvulus*; distribution.
- Snyder, 1949a: 143 *Microcerotermes parvulus*; catalog; reference list. Congo-Brazzaville; Congo-Zaire; Ghana; Guinea; Senegal.
- Ghidini, 1955: 70-71, fig. 1 Microcerotermes parvulus; soldier described and figured. Ethiopia.
- Kemp, 1955: 114, 126 *Microcerotermes parvulus*; ecology; distribution based on vegetation zones. Tanzania.
- Harris, 1957c: 429 *Microcerotermes parvulus*; distribution. Congo-Brazzaville; Congo-Zaire; Guinea; Kenya; Senegal; Tanzania; Yemen.
- Harris, 1963c: 4, 10, 13, 14, 15, 21, 38 *Microcerotermes parvulus* [misspelled as *parvus* on pp. 12, 31, 36, 40, 41]; ecology; locality. Congo-Zaire.
- Harris, 1964a: 24, 26, table 1 Microcerotermes parvulus; checklist; damage; distribution. Ethiopia.
- Harris, 1965: 11, 18 Microcerotermes parvulus; ecology; locality. Congo-Zaire.
- Hocking, 1965: 84 Microcerotermes parvulus; locality. Tanzania.
- Gisler, 1967: 82 Microcerotermes parvulus; distribution. Ivory Coast.
- Bouillon, 1970: 233 Microcerotermes parvulus; flight records. Tanzania.
- Bouillon and Mathot, 1971: table: no. 128 Microcerotermes parvulus; measurements.
- Roy-Noël, 1974b: 526-609 Microcerotermes parvulus; biology; ecology; distribution. Senegal.
- Ruelle, 1975b: 9 *Microcerotermes parvulus*; types listed.
- Vincke and Tilquin, 1978c: 355, 358 Microcerotermes parvulus; chromosome number.
- Vincke and Tilquin, 1978a: 152, table 1 Microcerotermes parvulus; chromosome number.
- Johnson and Wood, 1980: 279-293 Microcerotermes parvulus; checklist; ecology; distribution.
- Johnson et al., 1980: 59 *Microcerotermes parvulus*; checklist; biology; distribution. Guinea; Nigeria.
- Wood et al., 1982: 25–39 Microcerotermes parvulus; ecology; feeding and nesting habits; distribution. Nigeria.
- Chhotani and Bose, 1983: 126 Microcerotermes parvulus; distribution. Arabian Peninsula.
- Wanyonyi et al., 1984: 4 Microcerotermes parvulus; checklist; distribution. Tanzania.
- Weidner, 1984: 6 Microcerotermes parvulus; listed. South Arabia.
- Badawi et al., 1986a: 416, 418 Microcerotermes parvulus; distribution. Saudi Arabia.
- Al-Kady et al., 1987: 186, 192 Microcerotermes parvulus; listed; key; distribution. Saudi Arabia.
- Chhotani, 1988: 370 *Microcerotermes parvulus*; distribution. Oman.
- Cowie, 1989a: 159, 160, table 1 Microcerotermes parvulus; checklist; biogeography; distribution.
   North and South Yemen; Saudi Arabia.

- Chhotani and Bose, 1991: 258, 261, 264 Microcerotermes parvulus; distribution; key. Saudi Arabia.
- Azariz and Rouland, 1998: 69–75 Microcerotermes parvulus; gut microflora. Chad.
- Faragalla, 2002: 203 Microcerotermes parvulus; checklist; ecozoogeography. Saudi Arabia.
- ♠ DISTRIBUTION: Ethiopian Region—Chad; Congo-Brazzaville; Congo-Zaire; Ethiopia; Ghana; Guinea; Ivory Coast (Côte d'Ivoire); Nigeria; North and South Yemen; Senegal; Tanzania. ◆ Palaearctic Region—Oman; Saudi Arabia.

# Microcerotermes parvus (Haviland, 1898)

Termes parvus Haviland, 1898: 404-405 (imago, soldier, worker.

Type data: Syntypes: CUMZ imagoes, soldiers, workers, NHRM imagoes, soldiers, workers, AMNH queen, imagoes, soldiers, workers, NHMM imago, soldier.

Type Locality: South Africa: Natal.

- Sjöstedt, 1900a: 183–185 Eutermes parvus; imago, soldier, worker described; key; biology; distribution; new combination. Ghana; South Africa.
- Wasmann, 1902d: 120, 121 Microcerotermes parvus; imago, soldier characters; new combination. South Africa.
- Sjöstedt, 1904: 31, 34, 46, 82, 115 *Eutermes parvus*; imago characters; biology; key; distribution. Cameroon [= *solidus* fide Emerson]; South Africa.
- Desneux, 1904b: 44 Termes (Eutermes) parvus; reference list. Ghana; South Africa.
- Trägårdh, 1904: 4, 5, 26, fig. 4, pl. 2: figs. 5, 6, pl. 3: fig. 4 Eutermes parvus; key; biology; nest described and figured.
- Sjöstedt, 1905: 17 Eutermes parvus; characters; locality. Congo-Zaire.
- Silvestri, 1906: 343 Microcerotermes parvus; locality. Eritrea; Sudan.
- Sjöstedt, 1907a: 9, 25 Eutermes parvus; key; biology; locality. Tanzania.
- Warren, 1909a: 342, 344 *Termes parvus*; measurements; statistical analysis.
- Warren, 1909b: 125-126 Termes parvus; imago, soldier described; biology; locality. South Africa.
- Sjöstedt, 1911c: 167 Eutermes parvus; key.
- Wasmann, 1911c: 116, pl. 4: fig. 6, pl. 5 fig. 7 *Microcerotermes parvus*; nest figured; biology; locality. Congo-Zaire; South Africa.
- Holmgren, 1912a: 122 *Microcerotermes parvus*; listed. Cameroon; Eritrea; Ghana; South Africa; Sudan and other localities.
- Wasmann, 1912b: 175 Microcerotermes parvus; locality. Sudan; Uganda.
- Sjöstedt, 1913a: 380 Eutermes (Microcerotermes) parvus; key.
- Fuller, 1915: 396, 485–487, pl. 29: figs. 11, 12, pl. 31: figs. 1–3, pl. 34: fig. 18 Eutermes parvus; soldier, worker described; soldier mandibles figured; nest described and figured; biology. South Africa.
- Hegh, 1922: 75, 86, 136, 139, 302, 303–305. 703, fig. 301 *Microcerotermes parvus*; biology; reference list; distribution.
- Fuller, 1925b: 225–226, 242, 245 Microcerotermes parvus; imago, soldier described; key; locality.
   South Africa.
- Sjöstedt, 1926d: 193, 194, 199 *Microcerotermes parvus*; soldier figured; reference list; key; biology; locality. Congo-Zaire; Eritrea; Ghana; Rhodesia; South Africa; Sudan; Tanzania.
- Sjöstedt, 1926b: 153 Microcerotermes parvus; locality. Congo-Zaire.
- Emerson, 1928b: 550, fig. 79, pl. 33 *Microcerotermes parvus* [misidentification; not *parvus*]; soldier described and figured; nest. Congo-Zaire.
- Harris, 1936: 366 Microcerotermes parvus; biology; distribution. Tanzania.
- Jucci, 1937: 304 *Microcerotermes parvus*; distribution.
- Ghidini, 1938: 231 Microcerotermes parvus; remarks; distribution. Eritrea.
- Harris, 1941: 204 *Microcerotermes parvus*; distribution.
- Harris, 1948: 80 Microcerotermes parvus; biology; locality. Uganda.

- Snyder, 1949a: 143 *Microcerotermes parvus*; catalog; reference list. Cameroon; Congo-Zaire; Eritrea; Ghana; South Africa; Sudan; Tanzania; Uganda; Zimbabwe.
- Grassé, 1949: fig. 180 Microcerotermes parvus; nest figured.
- Kemp, 1955: 114, 117, 118, 119, 120, 125, 127 *Microcerotermes parvus*; ecology; distribution based on vegetation zones. Tanzania.
- Noirot, 1955b: 489–491, fig. 42 *Microcerotermes parvus*; soldier figured; caste development; polymorphism.
- Noirot, 1956: 147, 150 Microcerotermes parvus; neotenics; supplementary reproductives. Ivory Coast.
- Weidner, 1956b: 93, 94, 95, 96, figs. 34A, 35A, 37, 38 *Microcerotermes parvus*; synonymy; key; soldier, nest figured; locality. Angola.
- Weidner, 1960b: 38, 39 *Microcerotermes parvus*; soldier described; distribution. Uganda; from Sudan to South Africa.
- Harris, 1961a: 54, 92, 101, 105, 110 Microcerotermes parvus; damage; distribution.
- Weidner, 1962b: 88 Microcerotermes parvus; locality. Sudan.
- Bouillon and Mathot, 1964: 226 *Microcerotermes parvus*; ecology.
- Harris, 1964a: 24, 26, table 1 Microcerotermes parvus; checklist; distribution. Ethiopia.
- Pasteels and Deligne, 1965: 325-336 Microcerotermes parvus; hormones.
- Deligne, 1966: 1323 Microcerotermes parvus; mandible morphology and feeding.
- Harris, 1966a: 17 *Microcerotermes parvus*; Haviland's types and type localities listed.
- Harris, 1968c: 2, 13, fig. 8 Microcerotermes parvus; soldier figured; biology; locality. Sudan.
- Roy-Noël, 1969b: 126, 127, 160, 163, 164, figs. 8, 9 *Microcerotermes parvus*; measurements; soldier figured; distribution; ecology; biology. Cameroon; Congo-Zaire ("Congo"); Ghana; Ivory Coast; Senegal; Sudan; Tanzania; Uganda; Zimbabwe.
- Van Boven, 1969a: 43 Microcerotermes parvus; types listed.
- Bouillon, 1970: 233 Microcerotermes parvus; flight records. Tanzania.
- Bouillon and Mathot, 1971: 9, table: no. 129 *Microcerotermes parvus*; catalog; measurements; distribution. Senegal.
- Weidner, 1974: 37 Microcerotermes parvus; synonymy; locality. Angola.
- Roy-Noël, 1974b: 526–609 *Microcerotermes* aff. *parvus*; biology; ecology; distribution. Senegal *Microcerotermes parvus*; distribution. Cameroon; "Congo"; Eritrea; Ghana; Ivory Coast; Rhodesia; South Africa; Sudan; Tanzania; Uganda.
- Roonwal, 1975f: 406, 413 Microcerotermes parvus; sexual dimorphism.
- Vincke and Tilquin, 1980: 808 Microcerotermes parvus; chromosome number.
- Johnson et al., 1980: 59 Microcerotermes parvus; checklist; biology; distribution. Nigeria.
- Roy-Noël, 1982: 129, 131 Microcerotermes aff. parvus; ecology; pest; distribution. Senegal.
- Wanyonyi et al., 1984: 4 Microcerotermes parvus; checklist; distribution. Kenya; Tanzania; Uganda.
- Thorne, 1985b: 328, table 1 *Microcerotermes parvus*; polygyny.
- Brauman et al., 1992: 1384–1387 Microcerotermes parvus; gut bacteria; methane and hydrogen emissions.
- Brune et al., 1995a: 2681–2687 Microcerotermes parvus; gut microrganisms; physiology.
- Eggleton et al., 1995: 85–98 Microcerotermes parvus; checklist; ecology. Cameroon.
- Eggleton et al., 1996: 51-68 Microcerotermes parvus; checklist; feeding; ecology. Cameroon.
- Sleaford et al., 1996: 279-288 Microcerotermes parvus; feeding; gut contents; ecology. Cameroon.
- Bignell et al., 1997: 120, table 8.2 Microcerotermes parvus; methane and other gas emissions.
- Eggleton and Bignell, 1997: 489–498 Microcerotermes parvus; associations; ecology. Cameroon.
- Sugimoto et al., 1997: 220 Microcerotermes parvus; methane emissions.
- Tayasu et al., 1997: 343–351 Microcerotermes parvus; nitrogen fixation; feeding. Cameroon.
- Azariz and Rouland, 1998: 69-75 Microcerotermes parvus; gut microflora. Senegal.
- Sands, 1998: 186 *Microcerotermes parvus*; listed; distribution. Kenya.
- Dibog et al., 1999: 125–132 Microcerotermes parvus; checklist; ecology. Cameroon.
- Eggleton et al., 2002b: 1243, table 1 *Microcerotermes parvus*; checklist; ecology; feeding and nesting groups; distribution. Congo-Brazzaville.
- Ndiaye and Han, 2006: 60 Microcerotermes aff. parvus; checklist; pest; distribution. Senegal.

Termes subtilior Van Boven, 1969a: 43 (soldier) [nomen nudum; incorrectly credited to Wasmann].

Tistribution: Ethiopian Region—Angola; Cameroon; Congo-Brazzaville; Congo-Zaire; Eritrea; Ethiopia; Gabon; Ghana; Ivory Coast; Kenya; Nigeria; Senegal; South Africa; Sudan; Tanzania; Uganda.

## Microcerotermes pauliani Krishna, 2013

Microcerotermes pauliani Krishna et al., this work [nom. nov. for Gibbotermes longiceps Cachan, 1951 (now Microcerotermes longiceps), a junior secondary homonym of Microcerotermes longiceps Cachan, 1949].

Gibbotermes longiceps Cachan, 1951: 11, 12 (soldier), fig. 24 [name preoccupied by Microcerotermes longiceps Cachan, 1949].

Type data: Syntypes: ISM soldier (Madagascar: Behara), ISM soldier (Madagascar: Ambatofinandrahana (Ambositra) [soldiers from Madagascar: Ambatofinandrahana (Ambositra) do not belong to this species and are now placed in an undescribed, new species, fide Emerson], AMNH soldiers (Madagascar: Behara).

Type localities: Madagascar: Behara, Ambatofinandrahana (Ambositra).

TISTRIBUTION: Ethiopian Region—Madagascar.

# Microcerotermes peraffinis Silvestri, 1909

*Microcerotermes peraffinis* Silvestri, 1909b: 304–306 (imago, soldier, worker), pl. 20: figs. 182–187, pl. 21: figs. 188–194. [Treated as a synonym of *M. biroi* by Hill, 1942, this species was not included under the synonymy of *M. biroi*, *M. brevior*, or *M. piliceps* by Roisin and Pasteels, 2000; although *M. peraffinis* is most likely a synonym of one of those three species, examination of types using the criteria of Roisin and Pasteels, 2000 is required to place it correctly (or consider it a distinct species)].

Type data: Syntypes: IEA imagoes, soldiers, workers, AMNH imagoes, workers. Type locality: Samoa: Ninafoon.

- Holmgren, 1912a: 122 Microcerotermes peraffinis; listed. Australia.
- Hill, 1927a: 16, pl. 1: fig. 5 Microcerotermes peraffinis locality; nest figured. Samoan Islands.
- Hill, 1942: 423–426 Microcerotermes peraffinis [part]; synonym of M. biroi. Samoa.
- Snyder, 1949a: 134 Microcerotermes peraffinis; catalog; listed as a synonym of M. biroi. Samoa.
- © Distribution: Papuan Region—Samoa.

## *Microcerotermes periminutus* Ping and Xu, 1984

Microcerotermes periminutus Ping and Xu, 1984: 45-46, 52 (soldier), fig. 2.

TYPE DATA: Holotype: GIEC I. No. E 2639 soldier. Paratypes: GIEC soldiers, workers. Type locality: China: Hainan Island: Qiongzhong County [19°N, 109°E].

 Huang et al., 1989: 394, fig. 281 • Microcerotermes periminutus; soldier described and figured. China: Hainan.

- Gao and Lam, 1992: 65 *Microcerotermes periminutus*; key.
- Gao et al., 1992a: 45 Microcerotermes periminutus; checklist; distribution. China: Guangdong.
- Hua, 2000: 27 Microcerotermes periminutus; listed. China: Hainan.
- Huang et al., 2000: 553–554, fig. 311 *Microcerotermes periminutus*; soldier described and figured. China.
- Ahmad and Akhtar, 2002: 57 Microcerotermes periminutus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Guangdong; Hainan.

# Microcerotermes philippinensis Ahmad, 1947

Microcerotermes philippinensis Ahmad, 1947: 6-7 (soldier, worker), fig. 7.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldiers, workers, nymphs, ZUPL soldiers, workers, nymphs, FRI soldiers, workers, nymphs, ZSI soldier, worker, nymph. Type locality: Philippines: Leyte: Tarragona [124°55′E, 10°40′N].

- Snyder, 1949a: 144 Microcerotermes philippinensis; catalog; reference list. Philippines.
- Ahmad, 1958: 170 Microcerotermes philippinensis; key.
- Snyder and Francia, 1962: 64, 69, 74 Microcerotermes philippinensis; locality.
- Mathur and Thapa, 1962a: 48 Microcerotermes philippinensis; collection catalog. Philippiness.
- Morimoto, 1976b: 29 *Microcerotermes philippinensis*; key; distribution.
- Tho, 1992: 206 Microcerotermes philippinensis; listed.
- Ahmad and Akhtar, 2002: 57 Microcerotermes philippinensis; catalog. Philippines.
- DISTRIBUTION: Oriental Region—Philippines: Leyte.

# *Microcerotermes piliceps* Snyder, 1925

*Microcerotermes piliceps* Snyder, 1925h: 443–444 (soldier, worker).

Type data: Syntypes: MCZ No. 15297 soldiers, workers, USNM soldiers, workers, AMNH soldiers, workers.

Type locality: Solomon Islands: Uki (Ugi) Island.

- Lever, 1934: 10, pl. 1: figs. a-e Microcerotermes piliceps; listed.
- Hill, 1942: 423–426 Microcerotermes piliceps; treated as a synonym of biroi; synonymy. Papua New Guinea; Solomon Islands.
- Snyder, 1949a: 134 *Microcerotermes piliceps*; catalog; listed as a synonym of *M. biroi*. Solomon Islands.
- Roisin and Pasteels, 2000: 148–151, figs. 22–26, 57, pl. 1D Microcerotermes piliceps; stat. rev.; imago, soldier, worker described and figured; synonymy; key; piliceps removed from synonymy with biroi, umbritarsus and froggatti retained as synonyms of piliceps. Papua New Guinea; Solomon Islands.

*Microcerotermes froggatti* Hill, 1927a: 38–40 (imago, soldier, worker), pl. 5: fig. 165, pl. 8: fig. 166.

Type data: Syntypes: NMV imago, soldier, workers, NMV soldiers, workers, AMNH soldier, workers, nymph.

Type localities: Solomon Islands: Pepisala, Solomon Islands: Banika (Banaka), Solomon Islands: Pepisala.

- Hill, 1942: 423 *Microcerotermes froggatti*; synonymized with *biroi*.
- Roisin and Pasteels, 2000: 148–151 Microcerotermes froggatti; synonymy; remarks.

*Microcerotermes umbritarsus* Hill, 1927a: 33–37 (imago, soldier, worker), pl. 1: figs. 30–33, pl. 5: fig. 163, pl. 8: fig. 164.

Type data: Syntypes: NMV imagoes, soldier, workers, AMNH queens, imagoes, soldiers, workers, nymphs.

Type locality: Papua New Guinea: New Britain: Beining District.

- Hill, 1942: 423 Microcerotermes umbritarsus; synonymized with biroi.
- Snyder, 1949a: 134 Microcerotermes umbritarsus; catalog; listed as a synonym of M. biroi. New Britan.
- Roisin and Pasteels, 2000: 148–151 *Microcerotermes umbritarsus*; synonymy; remarks.
- © DISTRIBUTION: Papuan Region—Papua New Guinea, New Britan; Solomon Islands.

## Microcerotermes pondweniensis Fuller, 1925

Microcerotermes pondweniensis Fuller, 1925b: 230 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imagoes, soldiers, workers, NCIP imagoes, soldiers, workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Natal: Pondweni, east of Pufulo Bush, about 6 mi N of Lake St. Lucia [27°45′S, 32°30′E].

- Snyder, 1949a: 144 Microcerotermes pondweniensis; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 130 Microcerotermes pondweniensis; measurements.
- Ruelle, 1975b: 9 Microcerotermes pondweniensis; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

# Microcerotermes prochampioni Akhtar, 1974

Microcerotermes prochampioni Akhtar, 1974a: 56–58 (soldier, worker), fig. 18.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, FRIP soldier, worker, FESG soldier, worker, BMNH soldier, worker, AMNH soldier, worker [never received]. Type locality: Pakistan: Hyderabad.

- Chaudhry et al., 1972: 49–50 Microcerotermes prochampioni; nomen nudum; biology; distribution. Pakistan.
- Akhtar, 1974b: 102 Microcerotermes prochampioni; distribution. Pakistan.
- Ahmad, 1986: 17 Microcerotermes prochampioni; distribution. Pakistan: Sind.
- Verma and Rathore, 1995: 23, 26, 28 *Microcerotermes prochampioni*; synonymy; key; distribution. Pakistan.
- Chhotani, 1997: 205–206, fig. 100 Microcerotermes prochampioni; soldier described and figured; synonymy; kev. Pakistan.
- Ahmad and Akhtar, 2002: 57 Microcerotermes prochampioni; catalog. Pakistan.
- © DISTRIBUTION: Oriental Region—Pakistan.

#### Microcerotermes progrediens Silvestri, 1914

*Microcerotermes brachygnathus progrediens* Silvestri, 1914a: 71 (soldier, workers), fig. XXXIX [progrediens Silvestri, 1914, secernens Schmitz, 1917, and solidus Silvestri, 1912 treated as conspecific fide Emerson card catologue (unpublished)].

Type data: Syntypes: IEA soldiers, workers.

Type locality: Nigeria: Olokemeji.

- Hegh, 1922: 445, 626, 703 *Microcerotermes brachygnathus* var. *progrediens*; biology; reference list; distribution.
- Sjöstedt, 1926d: 205 *Microcerotermes brachygnathus* var. *progrediens*; reference list; remarks; locality. Nigeria.
- Emerson, 1928b: 549, fig. 78, pl. 36 Microcerotermes progrediens; soldier described and figured; nest. Cameroon; Congo-Zaire.
- Snyder, 1949a: 144 Microcerotermes progrediens; catalog. Cameroon; Congo-Zaire; Nigeria.
- Noirot, 1955a: 145–146 *Microcerotermes brachygnathus* var. *progrediens*; identification questioned; remarks; locality. Angola.
- Harris, 1956a: 929–930, fig. 1 *Microcerotermes progrediens*; imago (previously unknown) described and figured; locality. Cameroon.
- Bouillon and Mathot, 1965: 41 *Microcerotermes progrediens*; catalog. Angola.
- Gisler, 1967: 81, 82 Microcerotermes progrediens; distribution. Ivory Coast.
- Bouillon and Mathot, 1971: 9, table: no. 131 *Microcerotermes progrediens*; catalog; measurements; distribution. Gabon.
- Weidner, 1974: 38 Microcerotermes brachygnathus var. progrediens; listed. Angola.
- Johnson et al., 1980: 59 Microcerotermes progrediens; remarks on synonymy; checklist; distribution. Nigeria.
- Medler, 1980: 56 Microcerotermes progrediens; checklist. Nigeria.
- TISTRIBUTION: Ethiopian Region—Angola; Cameroon; Congo-Zaire; Gabon; Ivory Coast (Côte d'Ivoire); Nigeria.

### Microcerotermes propinquus Wasmann, 1910

Microcerotermes propinquus Wasmann, 1910a: 125 (imago, worker).

Type data: Syntypes: NHMM imagoes, workers, AMNH imagoes, workers, nymphs, MCZ No. 1056?

Type locality: Madagascar: Europa Island.

- Holmgren, 1912a: 122 Microcerotermes propinquus; listed. Madagascar.
- Hegh, 1922: 95, 445, 703 *Microcerotermes propinquus*; biology; reference list; distribution.
- Sjöstedt, 1926d: 193, 207 *Microcerotermes propinquus*; reference list; key; biology; locality. Madagascar: Europa Island.
- Snyder, 1949a: 144 Microcerotermes propinquus; catalog. Europa Island.
- Cachan, 1949: 191, 239–240 *Microcerotermes propinquus*; key; synonymy; imago characters; comparisons. Europa Island.
- Van Boven, 1969a: 43 *Microcerotermes propinquus*; types listed.
- Paulian, 1970: 284 Microcerotermes propinquus; distribution. Europa.
- TISTRIBUTION: Ethiopian Region—Madagascar: Europa Island.

## Microcerotermes psammophilus Fuller, 1925

Microcerotermes psammophilus Fuller, 1925b: 233-235 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH imago, soldier, NCIP imagoes. Lectotype designation: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Zululand, 5 mi W Sordwana Bay and 10 to 15 mi S of Lake Sibayi [27°25′S, 32°40′E].

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- Snyder, 1949a: 144 Microcerotermes psammophilus; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 132 Microcerotermes psammophilus; measurements.
- Ruelle, 1975b: 9 Microcerotermes psammophilus; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

## Microcerotermes raja Roonwal and Bose, 1964

Microcerotermes championi raja Roonwal and Bose, 1964: 2628 (soldier, worker), pl. 3: figs. 3-4.

TYPE DATA: Holotype: ZSI No. 2572/H8 soldier. Paratypes: ZSI Nos. 2573/H8, 2574/H8 workers. TYPE LOCALITY: India: Rajasthan, ca. 10 km NE Jodhpur, Balsamand [ca. 26°18′N, 73°04′E].

- Roonwal and Bose, 1969: 441, 445 Microcerotermes championi raja; key; synonymy; distribution.
- Roonwal and Verma, 1973c: 109–111 Microcerotermes raja; imago measurements; sex ratio; sexual dimorphism.
- Roonwal et al., 1973: 22–30 Microcerotermes raja; imago (previously unknown) described and figured; nest figured; swarming; biology; distribution; raised to species rank.
- Roonwal and Rathore, 1974: 238, 243, 244, 245, 246 *Microcerotermes raja*; swarming; post-swarming behavior; oviposition.
- Roonwal et al., 1974: 57, 60, 66, fig. 17 Microcerotermes raja; wing micrasters.
- Roonwal, 1975g: 399, 407–408, figs. 16.14 *Microcerotermes raja*; key; soldier described and figured; ecology; distribution.
- Roonwal, 1975f: 403, 406 Microcerotermes raja; sex ratios; sexual dimorphism.
- Sen-Sarma et al., 1975: 65 Microcerotermes Raja [sic]; list. India.
- Roonwal, 1976: 464, 466, 468, 475, 479, 486, fig. 9j *Microcerotermes raja*; soldier figured; ecology; biology; distribution. India [incorrectly listed as *Microtermes raja* on p. 476, fig. 11 legend].
- Chhotani, 1977a: 31 Microcerotermes raja; distribution. India.
- Roonwal and Verma, 1977b: 440–441, 461, fig. 8 *Microcerotermes raja*; imago described and figured; biology; distribution. India.
- Roonwal and Bose, 1978: 325, 328 Microcerotermes raja; ecology; biology; distribution.
- Roonwal and Verma, 1980a: 260, figs. 3A, R Microcerotermes raja; wing microsculpturing.
- Thakur, 1980b: 121, 126, fig. 2 Microcerotermes raja; soldier figured; ecology; distribution. India.
- Thakur and Sen-Sarma, 1981: 39 Microcerotermes raja; swarming.
- Roonwal and Rathore, 1982: 329, 341, fig. 7 Microcerotermes raja; wing microsculpturing.
- Roonwal et al., 1986: 246, 248, figs. 9A-M, pl. 7 Microcerotermes raja; wing microsculpturing.
- Jones et al., 1988: 110–111 *Microcerotermes raja*; biology; dispersal flight; sex ratios.
- Roonwal and Chhotani, 1989: 88, figs. 10i, 24 Microcerotermes raja; sex ratios discussed; soldier head and imago wing surfaces figured.
- Rathore, 1994b: 61–66, figs. 1–4 *Microcerotermes raja*; biology; swarming; development; predators.
- Thakur, 1994: 460 Microcerotermes raja; ecology; distribution.
- Verma and Rathore, 1995: 24, 26, 28 Microcerotermes raja; synonymy; key; distribution. India.
- Verma and Purohit, 1996: 238 Microcerotermes raja; listed. India: Rajasthan.
- Rathore, 1996: 174 Microcerotermes raja; ecology; distribution. India.
- Chhotani, 1997: 207–209, figs. 101–102 *Microcerotermes raja*; imago, soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 57 Microcerotermes raja; catalog. India.
- Rathore and Tak, 2004a: 62–63 Microcerotermes raja; synonymy; soldier, worker described; distribution. India.
- Rathore and Tak, 2004b: 74 Microcerotermes raja; synonymy; distribution. India: Rajasthan.
- Rathore and Bhattacharyya, 2004: 12, 32, 65, pl. 4: fig. 34 *Microcerotermes raja*; key; checklist; soldier figured; ecology; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Rajasthan.

# Microcerotermes rambanensis Chatterjee and Thakur, 1964

Microcerotermes rambanensis Chatterjee and Thakur, 1964c: 1-6 (soldier, worker), pls. 1-2.

Type data: Holotype: FRI soldier. Paratypes: FRI soldier, workers.

Type Locality: India: Jammu and Kashmir: Ramban: Maitra Forest.

- Chatterjee and Thakur, 1967: 6, 24–27, fig. 6 *Microcerotermes rambanensis*; synonymy; soldier described and figured; distribution. India.
- Sen-Sarma et al., 1975: 65 Microcerotermes rambanensis; listed. India.
- Chhotani, 1977a: 31 Microcerotermes rambanensis; distribution. India.
- Sharma and Sharma, 1978: 88, 89 *Microcerotermes rambanensis*; checklist; distribution. India: Jammu and Kashmir.
- Verma, 1985d: 309, 310, 313 *Microcerotermes rambanensis*; key; distribution.
- Chhotani, 1997: 209–211, fig. 103 *Microcerotermes rambanensis*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 57 Microcerotermes rambangensis [sic]; catalog. India.
- © DISTRIBUTION: Oriental Region—India: Jammu and Kashmir.

### Microcerotermes remotus Ping and Xu, 1984

Microcerotermes remotus Ping and Xu, 1984: 49-50, 53 (imago, soldier), fig. 4.

TYPE DATA: Holotype: GIEC I. No. E 4911 soldier. Paratypes: GIEC I. No. E 4911 imagoes, soldiers, workers, GIEC I. No. E 2646 queen, soldiers, workers.

Type locality: China: Hainan Island: Ya County [18°N, 109°E].

- Tsai and Chen, 1964b: 79–81, figs. 31, 32 *Microcerotermes bugnioni* [misidentification]; imago, soldier described and figured; key. China.
- Tsai and Chen, 1964a: 27, 35 Microcerotermes bugnioni [misidentification]; distribution. China.
- Gao and Lam, 1986: 82 *Microcerotermes bugnioni* [misidentification]; checklist; distribution. China
- Huang et al., 1989: 396–397, fig. 283 *Microcerotermes remotus*; imago, soldier described and figured. China: Hainan.
- Gao and Lam, 1992: 65 Microcerotermes remotus; key.
- Gao et al., 1992a: 45 Microcerotermes remotus; checklist; distribution. China: Guangdong.
- Gu et al., 1995: 648 Microcerotermes remotus; checklist. China: Hainan.
- Hua, 2000: 27 *Microcerotermes remotus*; listed. China: Hainan [misidentified as *bugnioni* by Tsai and Chen, 1964: 79].
- Huang et al., 2000: 554–556, fig. 312 *Microcerotermes remotus*; imago, soldier described and figured. China [misidentified as *bugnioni* by Tsai and Chen, 1964: 79].
- Ahmad and Akhtar, 2002: 57 Microcerotermes remotus; catalog. China.
- DISTRIBUTION: Oriental Region—China: Guangdong, Hainan.

## Microcerotermes repugnans Hill, 1927

Microcerotermes repugnans Hill, 1927a: 37–38 (soldier, worker), pl. 1: figs. 34–36.

Type data: Lectotype: NMV No. T-10860 soldier. Paralectotypes: NMV soldiers, workers, AMNH soldiers, workers, USNM soldier, worker.

LECTOTYPE DESIGNATION: Hill, 1942: 441 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6)].

Type Locality: Papua New Guinea: 30 mi SE Port Moresby.

- Hill, 1942: 440–441, fig. 343 Microcerotermes repugnans; soldier described and figured; synonymy; distribution; biology. Papua New Guinea.
- Snyder, 1949a: 144 Microcerotermes repugnans; catalog; reference list. Papua New Guinea.
- Bess, 1970: 473 Microcerotermes repugnans; listed. Papuan Region.
- Watson and Abbey, 1993b: 122, fig. 208 Microcerotermes repugnans; distribution map.
- Watson et al., 1998: 232 *Microcerotermes repugnans*; catalog; synonymy; distribution; ecology. Australia; Papua New Guinea.
- Roisin and Pasteels, 2000: 156–158, figs. 35–40, 58, pl. 1G Microcerotermes repugnans; imago, soldier, worker described and figured; synonymy; key. Papua New Guinea.
- ♠ DISTRIBUTION: Australian Region—Australia: Queensland (NE coast). ◆ Papuan Region—Papua New Guinea.

## Microcerotermes rhombinidus Ping and Xu, 1984

Microcerotermes rhombinidus Ping and Xu, 1984: 44-45, 51 (imago, soldier), fig. 1.

TYPE DATA: Holotype: GIEC I. No. E 3561 soldier. Paratypes: GIEC I. No. E 3561 soldiers, workers, GIEC I. No. E 4816 imagoes (morphotype and paramorphotypes), soldiers, workers.

Type locality: China: Guangdong Province: Guangzhou [23°N, 113°E].

- Huang et al., 1989: 393–394, fig. 280 *Microcerotermes rhombinidus*; imago, soldier described and figured. China: Guangdong.
- Gao and Lam, 1992: 65 Microcerotermes rhombinidus; key.
- Gao et al., 1992a: 45 Microcerotermes rhombinidus; checklist; distribution. China: Guangdong, Guangxi.
- Lin et al., 1994b: 5 Microcerotermes rhombinidus; checklist; distribution. China: Guangxi.
- Gu et al., 1995: 648 Microcerotermes rhombinidus; checklist. China: Hainan.
- Hua, 2000: 27 Microcerotermes rhombinidus; listed. China: Guangdong, Guangxi, Hainan.
- Huang et al., 2000: 556–558, fig. 313 *Microcerotermes rhombinidus*; imago, soldier described and figured. China.
- Ahmad and Akhtar, 2002: 57, 58 Microcerotermes rhombinidus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Guangdong, Guangxi, Hainan.

### Microcerotermes sabaeus (Harris, 1957)

Eremotermes sabaeus Harris, 1957c: 427-428 (soldier, worker), fig. 3.

Type data: Holotype: BMNH soldier. Paratypes: BMNH workers.

Type locality: Yemen (Aden Protectorate): Beihan.

- Harris, 1961a: 54, 157, 158 Eremotermes sabaeus; damage; distribution.
- Bouillon and Mathot, 1966: insert pasted Eremotermes sabaeus; catalog. Yemen.
- Bouillon and Mathot, 1971: 9, table: no. 97 *Eremotermes sabaeus*; catalog; measurements; distribution. Yemen.
- Johnson and Wood, 1980: 279–293 Eremotermes sabaeus; checklist; ecology; distribution.
- Chhotani and Bose, 1983: 125 Eremotermes sabaeus; distribution. Arabian Peninsula.
- Weidner, 1984: 6 Eremotermes sabaeus; listed. Southern Arabia.
- Badawi et al., 1986a: 116, 118 Eremotermes sabaeus; distribution. Saudi Arabia.
- Al-Kady et al., 1987: 186, 192 Eremotermes sabaeus; listed; key; distribution. Saudi Arabia.
- Cowie, 1989a: 160, 162, table 1 *Eremotermes sabaeus*; checklist; biogeography; distribution. Saudi Arabia; South Yemen.
- Chhotani and Bose, 1991: 261, 264 Eremotermes sabaeus; key. Saudi Arabia.

- Sands, 1998: 180, 186, 395, figs. 656, 657, 663, 664 *Microcerotermes sabaeus*; listed; gut figured; distribution; new combination. Yemen.
- Faragalla, 2002: 203 Eremotermes sabaeus; checklist; ecozoogeography. Saudi Arabia.
- ③ DISTRIBUTION: Ethiopian Region—South Yemen. ◆ Palaearctic Region—Saudi Arabia.

## Microcerotermes sabahensis Thapa, 1982

Microcerotermes sabahensis Thapa, 1982: 167-172 (imago, soldier, worker), pls. 56-57.

Type data: Holotype: FRI soldier. Paratypes: FRI imagoes, soldiers, workers, FRI soldiers, workers [several series from non-type localities].

Type Locality: Malaysia: Sabah: Sandakan North District: Sibuga Forest Reserve, Kebun China.

- Roonwal and Verma, 1983: 31, figs. 3A, B Microcerotermes sabahensis; wings described; wing microsculpturing.
- © DISTRIBUTION: Oriental Region—Malaysia: Sabah.

## Microcerotermes sakarahensis (Cachan, 1951)

Gibbotermes sakarahensis Cachan, 1951: 15 (soldier), fig. 26.

Type data: Syntypes: ISM soldiers, workers, AMNH soldier, workers.

Type locality: Madagascar: Sakaraha.

- Paulian, 1970: 292, 293 *Microcerotermes sakarahensis*; damage; distribution. new combination. Madagascar.
- Eggleton and Davies, 2003: 657, table 8.26 *Microcerotermes sakarahensis*; checklist; distribution. Madagascar and associated coastal islands.
- Tistribution: Ethiopian Region—Madagascar.

#### *Microcerotermes sakesarensis* Ahmad, 1955

Microcerotermes sakesarensis Ahmad, 1955b: 247-248 (soldier, worker), fig. 34.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, AMNH soldier.

Type Locality: Pakistan: Panjab: Sargodha Diastrict: Sakesar.

- Ahmad, 1958: 172 Microcerotermes sakesarensis; key.
- Ahmad, 1962: 68 Microcerotermes sakesarensis; distribution. Pakistan.
- Krishna, 1965a: 9 Microcerotermes sakesarensis; remarks.
- Prashad et al., 1967: 6, 51–52, fig. 32 *Microcerotermes sakesarensis*; Ahmad's description and figure of soldier reproduced; key; reference list; distribution. Pakistan.
- Chaudhry et al., 1972: 50, fig. 58 Microcerotermes sakesarensis; synonymy; soldier measurements and figure; ecology; biology; distribution. Pakistan.
- Akhtar, 1974b: 102 Microcerotermes sakesarensis; distribution. Pakistan.
- Akhtar, 1974a: 47, 54, 55, 56 Microcerotermes sakesarensis; comparisons.
- Roonwal, 1976: 464, 468, 488 Microcerotermes sakesarensis; ecology; biology; distribution. India.
- Roonwal and Verma, 1977b: 441–442, 461, fig. 9 Microcerotermes sakesarensis; soldier described and figured; ecology; distribution. India; Pakistan.
- Thakur, 1980b: 126 Microcerotermes sakesarensis; ecology; distribution. India; Pakistan.
- Verma and Thakur, 1982: 313 *Microcerotermes sakesarensis*; soldier measurements; distribution. India: Madhya Pradesh and other localities; Pakistan.

- Ahmad, 1986: 17 *Microcerotermes sakesarensis*; distribution. Pakistan: North West Frontier Province, Punjab.
- Verma, 1986: 46–52 Microcerotermes sakesarensis; associations.
- Thakur, 1994: 460 Microcerotermes sakesarensis; ecology; distribution.
- Verma and Rathore, 1995: 24, 26, 28 *Microcerotermes sakesarensis*; synonymy; key; distribution. India; Pakistan.
- Verma and Purohit, 1996: 238 Microcerotermes sakesarensis; listed. India: Rajasthan.
- Rathore, 1996: 174 Microcerotermes sakesarensis; ecology; distribution. India.
- Chhotani, 1997: 211–212, fig. 104 *Microcerotermes sakesarensis*; soldier described and figured; synonymy; key. India; Pakistan.
- Ahmad and Akhtar, 2002: 58 Microcerotermes sakesarensis; catalog. India; Pakistan.
- Rathore and Tak, 2004a: 63 Microcerotermes sakesarensis; synonymy; soldier, worker described; distribution. India; Pakistan.
- Rathore and Bhattacharyya, 2004: 12, 32, 65, pl. 4: fig. 35 *Microcerotermes sakesarensis*; key; checklist; soldier figured; distribution. India; Pakistan.
- DISTRIBUTION: Oriental Region—India: Gujarat, Madhya Pradesh, Rajasthan; Pakistan.

## Microcerotermes sanctaeluciae Fuller, 1925

Microcerotermes sanctaeluciae Fuller, 1925b: 237-238 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: AMNH soldier, NCIP imagoes, soldiers.

Lectotype designation: Ruelle, 1975b: 9 "Hololectotype" [= lectotype] designated.

- Type locality: South Africa: Natal: Nibele, at the N extremity of Lake St. Lucia [27°50′S, 32°25′E].

   Snyder, 1949a: 144 *Microcerotermes sanctaeluciae*; catalog. South Africa.
  - Bouillon and Mathot, 1971: table: no. 133 *Microcerotermes sanctaeluciae*; measurements.
  - Ruelle, 1975b: 9 Microcerotermes sanctaeluciae; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

# *Microcerotermes saravanensis* Ghayourfar, 2005

Microcerotermes saravanensis Ghayourfar, 2005d: 62, 64 (soldier), fig. 2.

Type data: Holotype: HMIM soldier. Paratypes: HMIM soldiers, workers.

Type locality: Iran: Sistan and Baluchistan Province: Saravan [27°24′N, 62°35′E].

Tistribution: Palaearctic Region—Iran.

## Microcerotermes secernens Schmitz, 1917

*Microcerotermes secernens* Schmitz, 1917: 225–227(soldier, worker), fig. 1 [*progrediens* Silvestri, 1914, *secernens* Schmitz, 1917, and *solidus* Silvestri, 1912 treated as conspecific fide Emerson card catologue (unpublished)].

Type data: Syntypes: AMNH soldiers, workers, USNM soldier, worker.

Type Locality: Congo-Zaire (Belgian Congo): Kisangani (Stanleyville).

- Hegh, 1922: 502, 703 *Microcerotermes secernens*; biology; reference list; distribution.
- Sjöstedt, 1926d: 195, 206 Microcerotermes secernens; reference list; key; locality. Congo-Zaire.
- Snyder, 1949a: 145 Microcerotermes secernens; catalog; reference list. Congo-Zaire.
- Bouillon and Mathot, 1971: table: no. 134 Microcerotermes secernens; measurements.
- Tistribution: Ethiopian Region—Congo-Zaire.

# Microcerotermes septentrionalis Light, 1933

Microcerotermes septentrionalis Light, 1933: 144–146 (soldier, worker), pl. 9–14.

Type data: Syntypes: AMNH No. M85 soldier (Mexico: Colima) [incorrectly labelled "holotype"; Light, 1933 did not select a holotype], AMNH soldiers, workers (Mexico: Colima: Madrid), AMNH soldiers, workers (Mexico: Colima: Jala), USNM soldier [incorrectly cited as "holotype" by Constantino, 1998b; no specimens of *septentrionalis* in USNM].

Type locality: Mexico: Colima: Jala, Madrid.

- Light, 1934j: 339 Microcerotermes septentrionalis; distribution. Mexico.
- Snyder, 1949a: 145 Microcerotermes septentrionalis; catalog. Mexico.
- Nutting, 1970a: 1107 Microcerotermes septentrionalis; colony size and composition. Mexico.
- Weesner, 1970: 511 Microcerotermes septentrionalis; distribution.
- Araujo, 1977c: 63 Microcerotermes septentrionalis; catalog. Mexico.
- Nickle and Collins, 1990: 92, 98, 117, figs. 12C-D Microcerotermes septentrionalis; key; soldier described and figured; distribution. Mexico.
- Constantino, 1998b: 203 Microcerotermes septentrionalis; catalog. Mexico to Costa Rica.
- Fontes, 1998: 367 Microcerotermes septentrionalis; catalog; distribution. Mexico.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 *Microcerotermes septentrionalis*; checklist; diversity; distribution. Mexico.
- TISTRIBUTION: Neotropical Region—Mexico to Costa Rica.

### Microcerotermes serratus (Haviland, 1898)

*Termes serratus* Haviland, 1898: 403–404 (imago, soldier, worker) [name published 1 April; the senior primary homonyn of *T. serratus* Froggatt, 1898 (4 June)].

Type data: Syntypes: CUMZ No. 364 imagoes, soldiers, workers, AMNH imago, soldier, worker. Type locality: Malaysia: Sarawak, Borneo: Matang.

- Holmgren, 1911b: 461• Microcerotermes serratus; measurements; new combination.
- Harris, 1966a: 13 Microcerotermes serratus; Haviland's types and type localities listed.
- Roisin and Pasteels, 2000: 165–167 Microcerotermes serratus; nomenclatural status discussed. Malaysia.

Termes (Eutermes) serrula Desneux, 1904b: 45 [unnecessary nom. nov. for Termes serratus Haviland, 1898 (1 April), the senior primary homonyn of *T. serratus* Froggatt, 1898 (4 June)].

- Holmgren, 1912a: 122 *Microcerotermes serrula*; listed. Malaysia: Borneo.
- Holmgren, 1913c: 262–263, pl. 8: figs. 4, 9 *Microcerotermes serrula*; imago, soldier, worker described; imago, soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 171 Microcerotermes serrula; antennal articles. Malaysia: Borneo.
- John, 1925: 418 Microcerotermes serrula; locality. Malaysia: Mainland, Sarawak.
- Snyder, 1949a: 145 Microcerotermes serrula; catalog; reference list. Borneo.
- Ahmad, 1958: 167, 168 *Microcerotermes serrula*; key [Holmgren incorrectly cited as author on p. 167].
- Krishna, 1965a: 9 Microcerotermes serrula; listed.
- Morimoto, 1976b: 27 Microcerotermes serrula; key; distribution.
- Thapa, 1982: 172–175, pl. 58 *Microcerotermes serrula*; imago, soldier described and figured; synonymy; key. Malaysia.
- Collins, 1984: 67, 70 Microcerotermes serrula; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 92, 199, 206, fig. 36A Microcerotermes serrula; soldier described and figured. Malaysia.

- Eggleton et al., 1998a: 119–128 *Microcerotermes serrula*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 Microcerotermes serrula; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi and Bignell, 1999: 124, table 1 *Microcerotermes serrula*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Microcerotermes serrula*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Gathorne-Hardy et al., 2001: 391 *Microcerotermes serrula*; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 58 Microcerotermes serrula; catalog. Indonesia: Kalamintan.
- Homathevi et al., 2002: 234, table 1 *Microcerotermes serrula*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 Microcerotermes serrula; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 120 *Microcerotermes serrula*; checklist; distribution. Indonesia: Sumatra, Siberut Island; Malaysia: Mainland, Borneo [Sarawak].
- Houseman, 2005: 237–239, figs. 1, 2 *Microcerotermes serrula*; soldier, nest figured; distribution. Thailand.
- Gathorne-Hardy et al., 2006: 607, table 1 *Microcerotermes serrula*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- Jones, 2007: 83–86 Microcerotermes serrula; proposed conservation of the name Termes serrula
  Desneux, case 3385.
- Jones, 2008: 47–49 *Microcerotermes serrula*; comments on the proposal to conserve the name *Termes serrula* Desneux, case 3385.
- Kirton, 2008: 132–134 *Microcerotermes serrula*; comments on the proposal to conserve the name *Termes serrula* Desneux, case 3385.
- Roisin, 2008: 134–136 *Microcerotermes serrula*; comments on the proposal to conserve the name *Termes serrula* Desneux, case 3385.
- Evans, 2009: 342–346 *Microcerotermes serrula*; comments on the proposal to conserve the name *Termes serrula* Desneux, case 3385.
- Lo, 2009: 347 *Microcerotermes serrula*; comments on the proposal to conserve the name *Termes serrula* Desneux, case 3385.
- Creffield, 2009: 347 Microcerotermes serrula; comments on the proposal to conserve the name Termes serrula Desneux, case 3385.
- Crozier, 2009: 347 *Microcerotermes serrula*; comments on the proposal to conserve the name *Termes serrula* Desneux, case 3385.
- Dawes, 2009: 348 *Microcerotermes serrula*; comments on the proposal to conserve the name *Termes serrula* Desneux, case 3385.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Malaysia: Mainland, Sabah, Sarawak; Thailand.

### †Microcerotermes setosus Krishna and Grimaldi, 2009

†Microcerotermes setosus Krishna and Grimaldi, 2009: 21 (imago), figs. 14-16, table 6.

Type data: Holotype: AMNH DR 10-1553 imago in amber. Paratype: AMNH DR 10-1559 and PB 256 imago.

Type locality: Dominican Republic: ?Cordillera Septentrionalis, 30 km NE of Santiago.

- TISTRIBUTION: Neotropical Region—Dominican Republic.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# Microcerotermes shahroudiensis Ghayourfar, 2005

### *Microcerotermes shahroudiensis* Ghayourfar, 2005c: 39–44.

Type data: Holotype: HMIM soldier, worker [both soldier and worker are designated as "holotype"; a lectotype specimen of one or the other will obviously have to be selected]. Paratypes: HMIM soldier, worker.

Type locality: Iran: Semnan Province: Shahroud, Ghaderabad [two localities in separate provinces].

Tistribution: Palaearctic Region—Iran.

## Microcerotermes sikorae (Wasmann, 1893)

Eutermes sikorae Wasmann, 1893: 244-246 (imago, soldier, worker) [described as "Sikorae"].

Type data: Syntypes: NHMM imagoes, soldiers, workers, AMNH queen, imagoes, soldier, workers.

Type locality: Madagascar: Andrangoloaka.

- Wasmann, 1897b: 167, 173, pl. 11: fig. 10 Termes sikorae; listed; new combination.
- Sjöstedt, 1900a: 71, 78, 142, 176–177 *Eutermes Sikorae*; imago, soldier, worker described; key; biology; distribution. Madagascar.
- Wasmann, 1902d: 120 Microcerotermes Sikorae; listed; new combination. Madagascar.
- Sjöstedt, 1904: 30, 36, 46, 80–81, pl. 1: figs. I1, I2, pl. 2: figs. M1, M2 Eutermes Sikorae; imago described and figured; soldier figured; key; distribution. Madagascar.
- Desneux, 1904b: 45 Termes (Eutermes) Sikorae; reference list; synonymy. Madagascar.
- Holmgren, 1909a: 9–12, fig. 2 *Microcerotermes sicorae* [sic] [misidentification; a new species fide Emerson]; imago, soldier, worker described; nest figured. Madagascar.
- Sjöstedt, 1911c: 158 Eutermes Sikorae; key.
- Holmgren, 1912a: 122 Microcerotermes Sikorae; listed. Madagascar.
- Sjöstedt, 1913a: 390 Eutermes Sikorae; key.
- Sjöstedt, 1914a: 9, fig. 3, pl. 3: fig. 2 Eutermes (Microcerotermes) Sicorae [sic]; nest figured; biology; locality. Madagascar.
- Hegh, 1922: 96, 173, 444, 622, 703, figs. 307–308 *Microcerotermes Sikorae*; biology; reference list; distribution.
- Sjöstedt, 1926d: 195, 206 *Microcerotermes Sikorae*; reference list; key; biology; locality. Madagascar.
- Wheeler, 1936: 219, 220 *Microcerotermes sikorae*; ant ecological relationships.
- Snyder, 1949a: 146 Microcerotermes sikorae; catalog; reference list. Madagascar.
- Cachan, 1949: 188, 230–232, fig. 21 Microcerotermes Sikorae; key; synonymy; soldier described and figured; biology. Madagascar.
- Cachan, 1950a: 112 Microcerotermes Sikorae; listed.
- Cachan, 1951: 8 Microcerotermes Sikorae; soldier measurements; localities. Madagascar.
- Noirot, 1956: 150 Microcerotermes sikorae; supplementary reproductives.
- Mathur and Thapa, 1962a: 49 Microcerotermes sikorae; collection catalog. Madagascar.
- Van Boven, 1969a: 43 Microcerotermes sikorae; types listed.
- Paulian, 1970: 290 Microcerotermes sikorae; ecology; nest; distribution. Madagascar.
- Thorne, 1985b: 328, table 1 *Microcerotermes sikorae*; polygyny.
- Eggleton and Davies, 2003: 657, table 8.26 Microcerotermes sikorae; checklist; distribution.
   Madagascar and associated coastal islands.
- TISTRIBUTION: Ethiopian Region—Madagascar.

### Microcerotermes silvestrianus Emerson, 1928

*Microcerotermes silvestrianus* Emerson, 1928b: 545–546 (soldier), fig. 76 [synonym of *fuscotibialis* fide Emerson card catalog (unpublished)].

TYPE DATA: Holotype: AMNH soldier. Paratype: AMNH worker.

Type locality: Congo-Zaire (Belgian Congo): beteeen Lukoela and Basoko.

- Snyder, 1949a: 146 Microcerotermes silvestrianus; catalog. Congo-Zaire.
- Bouillon and Mathot, 1971: table: no. 135 Microcerotermes silvestrianus; measurements.
- Mathot, 1974: 22 Microcerotermes silvestrianus; collection catalog; types listed.
- Tistribution: Ethiopian Region—Congo-Zaire.

## Microcerotermes sistaniensis Ghayourfar and Akhtar, 2005

Microcerotermes sistaniensis Ghayourfar and Akhtar, 2005: 155-163 (imago, soldier) figs 1, 2.

Type data: Holotype: HMIM imago, soldier [both imago and soldier are designated as "holotype"; a lectotype specimen of one or the other will obviously have to be selected]. Paratypes: HMIM imagoes, soldier.

TYPE LOCALITY: Iran: Sistan: Zabol region: Zehak city: Shadi village.

— Ghayourfar, 2005c: 43 • Microcerotermes sistaniensis; soldier measurements; comparisons.

Tistribution: Palaearctic Region—Iran.

### Microcerotermes solidus Silvestri, 1912

*Microcerotermes parvus solidus* Silvestri, 1912a: 235 (soldier) [*progrediens* Silvestri, 1914, *secernens* Schmitz, 1917, and *solidus* Silvestri, 1912 treated as conspecific fide Emerson card catologue (unpublished)].

Type data: Syntypes: IEA soldiers, MCG soldiers.

Type locality: Guinea-Bissau (Portuguese Guinea): Bolamo.

- Sjöstedt, 1904: 31, 34, 46, 82 Eutermes parvus [part]; key; queen described; biology; distribution. [Cameroon only fide Emerson].
- Silvestri, 1914a: 69, 70, pl. 1: figs. 10, 11 *Microcerotermes zuluensis* var. *solidus*; nest figured; biology; locality. Guinea. *Microcerotermes zuluensis* [part]; locality. [Senegal only].
- Hegh, 1922: 438, 439, 703, fig. 300 *Microcerotermes zuluensis* var. *solidus* [incorrectly cited as *solida*; pp. 438, 439, fig. 300]; biology; reference list; distribution.
- Sjöstedt, 1926d: 195, 201, pl. 8: figs. O1, O2 Microcerotermes solidus; soldier figured; reference list; key; biology; remarks; locality; raised to species rank. Cameroon; Congo-Zaire; Guinea; Guinea-Bissau.
- Sjöstedt, 1926a: 4 Microcerotermes solidus; locality. Ghana.
- Harris, 1941: 204 Microcerotermes solidus; distribution.
- Snyder, 1949a: 146 *Microcerotermes solidus*; catalog; reference list. Cameroon; Congo-Zaire; Ghana; Guinea; Guinea-Bissau.
- Weidner, 1956b: 93, 94, figs. 34C, 35B *Microcerotermes solidus*; synonymy; soldier figured; key; locality. Angola.
- Harris, 1961a: 91, 105 Microcerotermes solidus; damage; distribution.
- Bouillon and Mathot, 1971: table: no. 136 Microcerotermes solidus; measurements.
- Weidner, 1974: 37 Microcerotermes solidus; synonymy; locality. Angola.

- Roy-Noël, 1974b: 526–609 *Microcerotermes solidus*; biology; ecology; distribution. Cameroon; "Congo"; Ghana; Guinea-Bissau; Senegal.
- Johnson et al., 1980: 59 Microcerotermes solidus; checklist; distribution. Nigeria.
- Medler, 1980: 56 Microcerotermes solidus; checklist. Nigeria.
- Roy-Noël, 1982: 129, 131 Microcerotermes solidus; ecology; pest; distribution. Senegal.
- Raineri et al., 1993: 534 Microcerotermes parvus solidus; collection catalog; types listed.
- Ndiaye and Han, 2006: 60 Microcerotermes aff. solidus; checklist; pest; distribution. Senegal.
- TISTRIBUTION: Ethiopian Region—Angola; Cameroon; Congo-Zaire; Ghana; Guinea; Guinea; Bissau; Ivory Coast (Côte d'Ivoire); Nigeria; Senegal.

### Microcerotermes strunckii (Sörensen, 1884)

Termes strunckii Sörensen, 1884: 18-20 (imago, soldier, worker) [described as "Strunckii"].

Type data: Syntypes: MCZ No. 10097 imagoes, soldiers, workers.

Type locality: Argentina: Gran Chaco.

- Silvestri, 1901: 4 Microcerotermes Strunckii; locality; new combination. Brazil; Argentina.
- Silvestri, 1902a: 3-4 Microcerotermes Strunckii; biology.
- Wasmann, 1902d: 119, 120 Microcerotermes strunki [sic]; listed. South America.
- Silvestri, 1903: 41–43, 113, figs. 8, 36, pl. 1: figs. 50–53, pl. 2: 54–58 *Microcerotermes Strunckii*; imago, soldier, worker described; imago, soldier, nest figured; biology. Brazil.
- Desneux, 1904b: 45 Termes (Eutermes) Struncki [sic]; reference list. "Equatorial America."
- Holmgren, 1906: 669 Microcerotermes strunckii; distribution. Brazil; Argentina.
- Holmgren, 1909b: 87, 88, figs. 21–23, 61 *Microcerotermes Strunckii*; anatomy; imago, soldier, worker head, gut figured.
- Holmgren, 1912a: 122 Microcerotermes Strunckii; listed. Argentina; Brazil.
- John, 1920: 234 Microcerotermes struncki [sic]; locality. Brazil.
- Strelnikov, 1920: 218, 225 Microcerotermes Struncki [sic]; biology.
- Light, 1935: 234, 250 *Microcerotermes struncki*? [sic]; soldier measurements and figure; remarks; locality. Costa Rica.
- Snyder, 1949a: 146 Microcerotermes strunckii; catalog; reference list. Argentina; Brazil.
- Ahmad, 1950: 83, fig. 12 Microcerotermes strunckii; worker mandibles figured.
- Noirot, 1956: 148 *Microcerotermes strunckii*; neotenics; supplementary reproductives.
- Mathur and Thapa, 1962a: 49 Microcerotermes strunckii; collection catalog. Brazil.
- Araujo, 1970d: 551 Microcerotermes strunckii; biology; distribution.
- Araujo, 1977c: 63 Microcerotermes strunckii; catalog. Argentina; Brazil.
- Mathews, 1977: 111–112, fig. 44, pl. 16 *Microcerotermes strunckii*; soldier described and figured. Brazil.
- Roonwal and Verma, 1980a: 260, figs. 4I–K Microcerotermes strunckii; wings described; wing microsculpturing.
- Mill, 1983b: 313 Microcerotermes strunckii; nest site; swarming; locality. Brazil.
- Prestwich, 1984a: table 1 Microcerotermes strunkii [sic]; checklist; ecology; defense mode; chemicals; distribution.
- Constantino, 1991c: 198, fig. 11 *Microcerotermes strunckii*; soldier figured; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 404 Microcerotermes strunckii; distribution. Brazil: Amazonia.
- Torales et al., 1997: 48 Microcerotermes strunckii; distribution. Argentina.
- Constantino, 1998b: 203-204 Microcerotermes strunckii; catalog. Argentina; ?Brazil; ?Mexico.
- Fontes, 1998: 367 Microcerotermes strunckii; catalog; distribution. Argentina; Brazil.
- Sands, 1998: 186, 394, 395, figs. 640–645, 652, 662, 666, 667 *Microcerotermes strunckii*; worker mandibles, gut figured; distribution. Brazil; Panama.
- Torales, 1998: 413-435 Microcerotermes strunckii; damage; distribution. Argentina.

- Constantino, 1999a: figs. 124, 125 Microcerotermes strunckii; soldier figured.
- Constantino, 2002a: figs. 155–156 Microcerotermes strunckii; soldier figured.
- Constantino, 2002c: 358, table 3 *Microcerotermes strunckii*; checklist; damage; distribution. Argentina; Brazil.
- Coronel and Porcel, 2002: 307–316 *Microcerotermes strunckii*; soldier measurements; morphometrics.
- Fontes and Milano, 2002: 128 Microcerotermes strunckii; damage in urban areas.
- Milano and Fontes, 2002: 64 Microcerotermes strunckii; distribution. Argentina.
- Torales, 2002: 191–206 Microcerotermes strunckii; damage; distribution. Argentina.
- Sena et al., 2003: 756, table 1 Microcerotermes strunckii; checklist; ecology; distribution. Brazil.
- Laffont et al., 2004: 665–670 *Microcerotermes strunckii*; checklist; feeding habits; collection sites; distribution. Argentina.
- Engel and Krishna, 2005a: 8–13 Microcerotermes strunckii; proposal to place on the Official List
  of Specific Names in Zoology, as published in binomen Termes strunckii [specific name of the
  type species of Microcerotermes Silvestri, 1901].
- Torales et al., 2005b: 259–280 *Microcerotermes strunckii*; checklist; diversity; distribution. Argentina.
- Torales et al., 2005a: 873 *Microcerotermes strunckii*; distribution. Argentina: Chaco, Corrientes, Formosa.
- Vasconcellos et al., 2005: 127–131 Microcerotermes strunckii; checklist; diversity; feeding groups; distribution. Brazil.
- Belyaeva and Dovgobrod, 2006: fig. 5g Microcerotermes strunckii; female genitalia figured.
- Ferreira da Cunha et al., 2006: 518 *Microcerotermes strunckii*; checklist; distribution. Brazil: Goiás State.
- Torales et al., 2008: 41 Microcerotermes strunckii; distribution. Argentina: Chaco, Formosa.
- § DISTRIBUTION: Neotropical Region—Argentina: Chaco, Corrientes, Formosa; Brazil; ?Mexico.

## *Microcerotermes subinteger* (Cachan, 1949)

Cubitermes subinteger Cachan, 1949: 240-241 (soldier), fig. 26.

Type data: Syntypes: ISM soldiers (Madagascar: Isalo), ISM soldiers (Madagascar: Beloha), ISM soldiers (Madagascar: Betroka), ISM soldiers (Madagascar: Behara Nosy-Mamoko).

Type Localities: Madagascar: Behara Nosy-Mamoko, Beloha, Betroka, Isalo.

- Cachan, 1951: 10, 11, fig. 22 *Gibbotermes subinteger*; soldier measurements; localities. Madagascar [all localities = different species].
- Roonwal, 1962b: 39 Gibbotermes subniteger [sic]; species list.
- Paulian, 1970: 291 Microcerotermes subinteger; association; distribution; new combination. Madagascar.
- Eggleton and Davies, 2003: 657, table 8.26 *Microcerotermes subinteger*; checklist; distribution. Madagascar and associated coastal islands.
- Tistribution: Ethiopian Region—Madagascar.

## Microcerotermes subtilis (Wasmann, 1897)

Termes subtilis Wasmann, 1897b: 160-163 (imago, soldier, worker), pl. 11: figs. 2, 7, 7a.

Type data: Syntypes: NHMM soldier, worker, nymph (Seychelles: Aldabra Island), AMNH imago wings, soldier, workers (Seychelles: Aldabra Island), NHRM soldiers, workers (Madagascar: Majunga).

Type localities: Madagascar: Majunga; Seychelles: Aldabra Island.

- Sjöstedt, 1900a: 71, 78, 140, 182–183 *Eutermes subtilis*; imago, soldier, worker described; key; distribution; new combination. Madagascar; Seychelles.
- Wasmann, 1902d: 120 Microcerotermes subtilis; listed; new combination. Madagascar.
- Sjöstedt, 1904: 34, 46, 115 Eutermes subtilis; key; distribution.
- Desneux, 1904b: 45 Termes (Eutermes) subtilis; reference list. Madagascar.
- Holmgren, 1910a: 145–146 *Microcerotermes subtilis*; synonymy; imago described; remarks; locality. Seychelles.
- Holmgren, 1912a: 122 Microcerotermes subtilis; listed. Madagascar; Seychelles: Aldabra.
- Sjöstedt, 1913a: 380 Eutermes (Microcerotermes) subtilis; key.
- Hegh, 1922: 445, 703 *Microcerotermes subtilis*; biology; reference list; distribution.
- Sjöstedt, 1926d: 193, 194, 199 *Microcerotermes subtilis*; reference list; key; biology; locality. Madagascar.
- Vesey-Fitzgerald, 1941: 154 Microcerotermes subtilis; damage; distribution. Seychelles.
- Snyder, 1949a: 146 Microcerotermes subtilis; catalog; reference list. Madagascar; Seychelles.
- Cachan, 1949: 188, 191, 238–239, fig. 25 *Microcerotermes subtilis*; key; synonymy; soldier described; soldier mandibles, labrum figured; biology. Madagascar.
- Cachan, 1950b: 9–10, fig. 22 Microcerotermes subtilis; soldier described and figured; biology; distribution. Madagascar.
- Cachan, 1950a: 112, 115, 116, 117 Microcerotermes subtilis; biology; distribution. Madagascar.
- Cachan, 1951: 10 Microcerotermes subtilis; localities. Madagascar.
- Harris, 1961a: 95, fig. 9 Microtermes [sic] subtilis; second form queen figured; damage; distribution.
- Mathur and Thapa, 1962a: 49 *Microcerotermes subtilis*; collection catalog. Madagascar; Seychelles.
- Van Boven, 1969a: 43 *Microcerotermes subtilis*; types listed.
- Paulian, 1970: 284, 290, 292 *Microcerotermes subtilis*; nest; distribution. Aldabra; Comoros; Europa; Glorioso; Madagascar; Seychelles.
- Roonwal et al., 1974: 57, 60, 67, fig. 19 Microcerotermes subtilis; wing micrasters.
- Roonwal and Rathore, 1977: 309 Microcerotermes subtilis; wing microsculpturing.
- Roonwal and Verma, 1980a: 260, fig. 3T Microcerotermes subtilis; wing microsculpturing.
- Bordereau et al., 1999: 159–164 *Microcerotermes subtilis*; damage; distribution. Réunion.
- Jocqué, 1999: 143–144, figs. 111, 112 Microcerotermes subtilis; nest described and figured.
   Comoros Island.
- Eggleton and Davies, 2003: 657, table 8.26 Microcerotermes subtilis; checklist; distribution.
   Madagascar and associated coastal islands.
- Ruelle and Deligne, 2004: 250 Microcerotermes subtilis; distribution. Comoros Islands.
- TISTRIBUTION: Ethiopian Region—Comoros Islands; Europa; Glorioso; Madagascar; Réunion; Seychelles.

# Microcerotermes taylori Hill, 1927

Microcerotermes taylori Hill, 1927a: 89–90 (imago, soldier, worker), pls. 3, 6, 9.

Type data: Lectotype: NMV No. T-10864 soldier. Paralectotypes: NMV imago, soldiers, workers, nymphs, AMNH imago, soldiers, workers, nymphs, USNM soldier, worker.

LECTOTYPE DESIGNATION: Watson et al., 1998: 233.

Type Locality: Australia: Queensland: Meringa, near Cairns.

- Hill, 1926d: 24 Microcerotermes ?taylori; listed as MS name; locality. Australia.
- Hill, 1942: 448 *Microcerotermes taylori*; synonymy ("probably a small form of *M. serratus*"). Australia.
- Snyder, 1949a: 147 Microcerotermes taylori; catalog; reference list. Australia.
- Watson and Abbey, 1993b: 123, fig. 210 Microcerotermes taylori; distribution map.

- Watson et al., 1998: 232–233 *Microcerotermes taylori*; catalog; synonymy; distribution; ecology. Australia.
- Roisin and Pasteels, 2000: 158–159, figs. 41–44, 58, pl. 1H *Microcerotermes taylori*; imago, soldier, worker described and figured; synonymy; key. Australia; Papua New Guinea.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory (N coastal, N Gulf), Queensland (NE coast, NE coastal, Torres Strait Islands). ◆ Papuan Region—Papua New Guinea.

## Microcerotermes tenuignathus Holmgren, 1913

Microcerotermes tenuignathus Holmgren, 1913b: 116-117 (soldier, worker).

Type data: Syntypes: ZIHS soldiers, workers.

Type locality: India: Gujerat: Vadtal.

- Holmgren, 1913c: 257 Microcerotermes tenuignathus; listed.
- Bugnion, 1913d: 170 Microcerotermes tenuignathus; antennal articles. India.
- Margabandhu, 1934: 710 Microcerotermes tenuignathus; annotated reference list; biology.
- Snyder, 1949a: 147 Microcerotermes tenuignathus; catalog; reference list. India.
- Lal and Menon, 1953: 45 Microcerotermes tenuignathus; catalog; reference list. India.
- Roonwal and Pant, 1953: 52 Microcerotermes tenuignathus; collection catalog. India.
- Ahmad, 1955b: 202, 238, 239–241, figs. 26, 27 *Microcerotermes tenuignathus*; imago, soldier described and figured; key; reference list; distribution. Pakistan.
- Ahmad, 1958: 164, 169 Microcerotermes tenuignathus; key.
- Ahmad, 1962: 68 Microcerotermes tenuignathus; distribution. Pakistan.
- Mathur and Thapa, 1962a: 49 Microcerotermes tenuignathus; collection catalog. India.
- Vishnoi, 1962: 107-108 Microcerotermes tenuignathus; distribution. India.
- Chatterjee and Thakur, 1964c: 6 Microcerotermes tenuignathus; comparisons.
- Roonwal and Bose, 1964: 5, 25, 28–29, 31, fig. 14 Microcerotermes tenuignathus; reference list; type locality; Microcerotermes tenuignathus tenuignathus; key; soldier described and figured; distribution. India; Pakistan.
- Prashad et al., 1967: 5, 7, 52–55, figs. 33–35 *Microcerotermes tenuignathus*; imago, soldier, worker described and figured; key; reference list; distribution. India; Pakistan.
- Roonwal and Bose, 1969: 441, 445, pl. 23: fig. 1 *Microcerotermes tenuignathus*; reference list; type locality; *Microcerotermes tenuignathus tenuignathus*; key; soldier figured; distribution.
- Chaudhry et al., 1972: 50-51, fig. 59 *Microcerotermes tenuignathus*; synonymy; soldier measurements and figure; ecology; biology; damage; distribution. Pakistan.
- Akhtar, 1974b: 102 Microcerotermes tenuignathus; distribution. India; Pakistan.
- Sen-Sarma, 1974: 458 Microcerotermes tenuignathus; ecology and biogeography. India; Pakistan.
- Roonwal, 1975g: 398, 399, 408, fig. 16.15 Microcerotermes tenuignathus; key; imago, soldier described; soldier figured; ecology; distribution.
- Roonwal, 1976: 464, 470, 488 Microcerotermes tenuignathus; ecology; biology; distribution. India.
- Roonwal and Verma, 1977b: 442, 461 *Microcerotermes tenuignathus*; reference list; distribution. India; Pakistan.
- Roonwal and Bose, 1978: 325 Microcerotermes tenuignathus; ecology; biology; distribution.
- Chhotani, 1980: 6, 41, fig. 12G Microcerotermes tenuignathus; soldier figured; key. India.
- Thakur, 1980b: 116, 124, 127 Microcerotermes tenuignathus; ecology; distribution. India; Pakistan.
- Akhtar, 1983: 279, 287, 288, figs. 1K, 5 *Microcerotermes tenuignathus*; key; soldier figured; damage; distribution. Pakistan.
- Ahmad, 1986: 17 *Microcerotermes tenuignathus*; distribution. Pakistan: Baluchistan, North West Frontier Province, Punjab, Sind.
- Thakur (R.K.), 1989: 31, 37–38, fig. 28 *Microcerotermes tenuignathus*; key; synonymy; soldier measurements and figure; distribution. India; Pakistan.

- Shakoor et al., 1991: 358 Microcerotermes tenuignathus; checklist; damage; distribution.
   Pakistan: divided Kashmir.
- Thakur (R.K.), 1991: 9, 16–17, 24, 36 *Microcerotermes tenuignathus*; ecology; biology; damage; distribution. India; Pakistan.
- Akhtar et al., 1992: 91 Microcerotermes tenuignathus; damage; altitudinal distribution. Pakistan: divided Kashmir.
- Thakur, 1993: 129 *Microcerotermes tenuignathus*; synonymy; soldier measurements; distribution.
- Maiti and Chakraborty, 1994: 62, 69 Microcerotermes tenuignathus; comparisons.
- Thakur, 1994: 460 Microcerotermes tenuignathus; ecology; distribution.
- Verma and Rathore, 1995: 24, 26, 28 *Microcerotermes tenuignathus*; synonymy; key; distribution. India; Pakistan.
- Verma and Purohit, 1996: 238, 239 *Microcerotermes tenuignathus*; distribution. India: Gujarat, Rajasthan; Pakistan.
- Rathore, 1996: 174 Microcerotermes tenuignathus; ecology; distribution. India.
- Chhotani, 1997: 213–215 *Microcerotermes tenuignathus*; imago, soldier, worker described and figured; synonymy; key. India; Pakistan.
- Maiti and Saha, 1997: 209, 210 *Microcerotermes tenuignathus*; synonymy; damage, distribution. India; Pakistan [Australia incorrect].
- Ahmad and Akhtar, 2002: 58 Microcerotermes tenuignathus; catalog. India; Pakistan.
- Rathore and Tak, 2004a: 63–64 *Microcerotermes tenuignathus*; synonymy; soldier, worker described; distribution. India; Pakistan.
- Rathore and Tak, 2004b: 75 *Microcerotermes tenuignathus*; synonymy; distribution. India: Gujarat, Rajasthan; Pakistan: Baluchistan, Sind.
- Rathore and Bhattacharyya, 2004: 12, 32, 65, pl. 4: fig. 36 *Microcerotermes tenuignathus*; key; checklist; soldier figured; ecology; distribution. India; Pakistan.
- Roy, 2005: 140 Microcerotermes tenuignathus; checklist; distribution. India.

🔇 DISTRIBUTION: Oriental Region—India: Delhi, Gujarat, Maharashtra, Punjab, Rajasthan; Pakistan.

### *Microcerotermes theobromae* (Desneux, 1906)

Termes theobromae Desneux, 1906a: 355-356 (soldier, worker).

Type data: Syntypes: MNHP soldiers, workers, AMNH soldier, workers, NHMM soldier, worker. Type locality: São Tomé: Porto Alegre.

- Silvestri, 1912a: 235, fig. 11 Microcerotermes parvus subsp. theobromae; imago, soldier, worker described; imago, soldier figured; treated as subspecies of parvus; new combination. Annobón; São Tomé.
- Holmgren, 1912a: 122 Microcerotermes Theobromae; listed. "St. Thomas."
- Seabra, 1917: 24, figs. 22, 23, 24 *Microcerotermes parvus* subsp. *theobromae*; soldier, worker mandibles figured; biology; distribution. São Tomé.
- Banks, 1919: 482 *Eutermes theobromae*; placed as a synonym of *debilis* [doubtless due to mistake in location of San Thomé (São Tomé), apparently confused with St. Thomas, W.I.].
- Seabra, 1919b: 21 Microcerotermes parvus theobromae; distribution. São Tomé.
- Seabra and Seabra, 1921: 88 Microcerotermes parvus subsp. theobromae; distribution. São Tomé.
- Seabra, 1921a: 11, fig. 2, pl. 6: fig. 1 *Microcerotermes parvus* subsp. *theobromae*; soldier mandibles, nest figured. São Tomé.
- Seabra, 1921b: 5–6, figs. 4–6, pl. 5 *Microcerotermes parvus* subsp. *theobromae*; imago, queen, soldier, nest figured; biology. São Tomé.
- Hegh, 1922: 67, 136, 445, 703 *Microcerotermes parvus* subsp. *theobromae*; biology; reference list; distribution.

- Seabra, 1922c: 80–82, 87, pl. 4 *Microcerotermes parvus* subsp. *theobromae*; imago, queen, soldier, nest figured; biology; distribution. São Tomé.
- Seabra, 1922b: 72, fig. 52, pl. 4: fig. 6 *Microcerotermes parvus* subsp. *theobromae*; soldier mandibles, nest figured. São Tomé.
- Sjöstedt, 1926d: 193, 201 *Microcerotermes parvus* subsp. *theobromae*; reference list; key; biology; remarks; locality. Annobón Island; São Tomé.
- Snyder, 1949a: 147 Microcerotermes theobromae; catalog; reference list. São Tomé.
- Harris, 1961a: 91, 105 Microcerotermes theobromae; damage; distribution.
- Van Boven, 1969a: 43 Microcerotermes theobromae; types listed.
- Bouillon and Mathot, 1971: table: no. 137 Microcerotermes theobromae; measurements.
- Mathot, 1979: 13 Microcerotermes theobromae; collection catalog; types listed.
- Tistribution: Ethiopian Region—Annobón Island; São Tomé and Principe: São Tomé.

### Microcerotermes thermarum Fuller, 1925

*Microcerotermes thermarum* Fuller, 1925b: 237 (soldier).

Type data: Lectotype: NCIP soldier [unique soldier lost fide Ruelle, 1975b]. Paralectotypes: AMNH workers, NCIP workers.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 9 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6); the fact that the unique soldier is lost does not disqualify the specimen from being the lectotype.

Type locality: South Africa: Transvaal: Warmbad (Warmbath) [24°55′S, 28°15′E].

- Snyder, 1949a: 147 Microcerotermes thermarum; catalog. South Africa.
- Ruelle, 1975b: 9–10 *Microcerotermes thermarum*; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Microcerotermes transiens Rosen, 1912

Microcerotermes libericus transiens Rosen, 1912: 227 (soldier).

Type data: Syntypes: ZSM soldiers, AMNH soldiers.

Type locality: Liberia.

- Sjöstedt, 1926d: 197 Microcerotermes fuscotibialis subsp. libericus var. transiens; locality.
- Emerson, 1928b: 545, fig. 75 *Microcerotermes edentatus* var. *transiens*; soldier described and figured. Cameroon.
- Snyder, 1949a: 138 *Microcerotermes libericus* var. *transiens*; catalog; listed as a synonym of *M. edentatus*. Liberia.
- Krishna et al., this work Microcerotermes transiens; stat. rev.
- TISTRIBUTION: Ethiopian Region—Cameroon; Liberia.

## Microcerotermes turkmenicus Luppova, 1976

Microcerotermes turkmenicus Luppova, 1976a: 347–349 (imago, soldier, worker), figs. 1–3.

Type data: Holotype: ZIL imago. Paratypes: ZIL imagoes, soldiers, workers, IZTAS imagoes, soldiers, workers [not type locality], IZTAS imagoes, soldiers, workers [not type locality].

Type locality: Turkmenistan: vicinity of Tedzhen.

- Luppova, 1973: 16 Microcerotermes turkmenicus; nomen nudum; distribution.
- Belyaeva and Zhuzhikov, 1974: 27, 31, 34, figs. 5D-G Microcerotermes turkmenicus; key; soldier figured; distribution. [Though authors provide figures and cite the name under a key, they do not mention any distinguishing characteristics in words, as required under ICZN, 1999 art. 13.1; therefore this reference to the name is a nomen nudum].
- Luppova, 1976b: 57–58 *Microcerotermes turkmenicus*; new species description; English translation of Russian paper.
- Belyaeva, 1979: 36-42 Microcerotermes turkmenicus; imago, soldier described and figured.
- Belyaeva and Dovgobrod, 2006: fig. 5b Microcerotermes turkmenicus; female genitalia figured.
- Turkmenistan.

### Microcerotermes turneri (Froggatt, 1898)

**Termes turneri** Froggatt, 1898: 736–738 (imago, soldier, worker), pl. 34: figs. 8, 8a [described as "Turneri"].

Type data: Lectotype: ANIC No. 9128 imago ♀. Paralectotypes: ANIC soldier, worker, NMV imagoes, workers, AMNH imagoes, soldiers, workers, USNM imagoes, soldier, workers.

Lectotype designation: Hill, 1942: 451 "Hololectotype" [= lectotype] designated.

Type Locality: Australia: Queensland: Mackay.

- Desneux, 1904b: 46 Termes (Eutermes) Turneri; reference list. Australia.
- Froggatt, 1905: 27, 28–29 Termes turneri; characters; locality. Australia.
- Holmgren, 1912a: 122 Microcerotermes Turner [sic]; listed; new combination. Australia.
- Mjöberg, 1920: 102, 106, 107 Microcerotermes Turneri; key; locality. Australia.
- Hill, 1927a: 64 Microcerotermes turneri; locality. Australia.
- Hill, 1942: 448–451, figs. 348–350, pl. 24 *Microcerotermes turneri*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 147 Microcerotermes turneri; catalog; reference list; synonymy. Australia.
- Roonwal and Pant, 1953: 52 Microcerotermes turneri; collection catalog. Australia.
- Noirot, 1956: 150 *Microcerotermes turneri*; supplementary reproductives.
- Harris, 1961a: 157, 160 Microcerotermes turneri; damage; distribution.
- Mathur and Thapa, 1962a: 49 Microcerotermes turneri; collection catalog. Australia.
- Moore, 1968: 37 Microcerotermes turneri; secretions; biochemistry.
- Gay and Calaby, 1970: 433, fig. 10 *Microcerotermes turneri*; nest figured; biology; distribution. Australia.
- Roonwal et al., 1974: 57, 60, 67, fig. 20 Microcerotermes turneri; wing micrasters.
- Mathot, 1979: 14 Microcerotermes turneri; collection catalog; types listed.
- Prestwich, 1979b: 467 Microcerotermes turneri; frontal gland and secretions.
- Roonwal and Verma, 1980a: 260, fig. 3U Microcerotermes turneri; wing microsculpturing.
- Prestwich, 1984a: table 1 Microcerotermes turneri; checklist; ecology; defense mode; chemicals; distribution.
- Watson and Abbey, 1993b: 124, fig. 211 Microcerotermes turneri; distribution map.
- Watson et al., 1998: 233 Microcerotermes turneri; catalog; synonymy; distribution; ecology. Australia.
- Stewart and Zalucki, 2006a: 727–740 Microcerotermes turneri; development; workers; biometrics.
- Stewart and Zalucki, 2006b: 741-758 Microcerotermes turneri; polyethism; foraging; behavior.

Microcerotermes neglectus Rosen, 1912: 228-229 (imago, soldier, worker), fig. 6.

TYPE DATA: Syntypes (whereabouts unknown): king, imago, soldier, workers. TYPE LOCALITY: Australia: Queensland: Rockhampton.

— Snyder, 1949a: 147 • Microcerotermes neglectus; synonymized with turneri.

Microcerotermes excisus Mjöberg, 1920: 105-107 (imago, soldier, worker), figs. 53a, 56, 57.

Type data: Lectotype: NHRM soldier. Paralectotypes: NHRM imagoes, workers, AMNH imagoes, soldier, workers.

LECTOTYPE DESIGNATION: Watson et al., 1998: 233.

Type locality: Australia: Queensland: Glen Lamington, near Lamington.

- Hill, 1927a: 64 Microcerotermes excisus; locality. Australia.
- Hill, 1942: 448 Microcerotermes excisus; synonymized with turneri.
- © DISTRIBUTION: Australian Region—Australia: New South Wales, Queensland.

### Microcerotermes uncatus Krishna, 1965

Microcerotermes uncatus Krishna, 1965a: 8-9 (soldier, worker), fig. 3.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldiers, workers.

Type locality: Myanmar: Maymyo, 24 miles east of Mandalay.

- Ahmad, 1965: 68 Microcerotermes uncatus; comparisons.
- Akhtar, 1974a: 47 Microcerotermes uncatus; comparisons.
- Chhotani, 1977a: 31 Microcerotermes unctus [sic]; distribution. Myanmar.
- Tho, 1992: 206 Microcerotermes uncatus; listed.
- Chhotani, 1997: 215–216, fig. 107 *Microcerotermes uncatus*; soldier described and figured; synonymy; key. Myanmar.
- Ahmad and Akhtar, 2002: 58 Microcerotermes uncatus; catalog. Manyamar [sic].
- © DISTRIBUTION: Oriental Region—Myanmar (Burma).

### Microcerotermes unidentatus Cachan, 1949

Microcerotermes unidentatus Cachan, 1949: 236-238 (soldier, worker), fig. 24.

Type data: Syntypes: ISM soldiers, workers, ISM soldiers, workers, AMNH soldier, workers, nymph.

Type Localities: Madagascar: Périnet, Madagascar: Lokobe, Madagascar: Périnet.

- Cachan, 1950a: 112 Microcerotermes unidentatus; listed.
- Cachan, 1951: 9 Microcerotermes unidentatus; soldier measurements; localities. Madagascar.
- Paulian, 1970: 291 Microcerotermes unidentatus; association; distribution. Madagascar.
- Eggleton and Davies, 2003: 657, table 8.26 Microcerotermes unidentatus; checklist; distribution.
   Madagascar and associated coastal islands.
- Tistribution: Ethiopian Region—Madagascar.

# Microcerotermes varaminicus Ghayourfar, 1999

Microcerotermes varaminicus Ghayourfar, 1999: 16, 18-20 (soldier), fig. 1.

Type data: Holotype: HMIM soldier, worker [both soldier and worker are designated as "holotype"; a lectotype specimen of one or the other will obviously have to be selected]. Paratypes: HMIM soldier, workers.

Type Locality: Iran: Tehran Province: Varamine.

- Ghayourfar, 1995: 77 *Microcerotermes varaminicus*; nomen nudum; proposed as n. sp. with no characters. Iran: Tehran: Varamina.
- Ghayourfar, 2005c: 43 Microcerotermes varaminicus; soldier measurements; comparisons.
- Tistribution: Palaearctic Region—Iran.

### Microcerotermes zuluensis Holmgren, 1913

## Microcerotermes zuluensis rubriceps Holmgren, 1913

Microcerotermes zuluensis rubriceps Holmgren, 1913d: 365 (soldier, major and minor workers).

TYPE LOCALITY: South Africa: Zululand: Mkosi.

- Hegh, 1922: 703 Microcerotermes zuluensis f. rubriceps; reference list; distribution.
- Sjöstedt, 1926d: 203 Microcerotermes zuluensis f. rubriceps; listed; characters.
- Snyder, 1949a: 148 Microcerotermes zuluensis rubriceps; catalog; reference list. South Africa.
- Bouillon and Mathot, 1971: table: no. 139 Microcerotermes zuluensis forma rubriceps; measurements.
- TISTRIBUTION: Ethiopian Region—South Africa.

## Microcerotermes zuluensis zuluensis Holmgren, 1913

*Microcerotermes zuluensis* Holmgren, 1913d: 362–364 (imago, soldier, major and minor workers).

Type data: Syntypes: NHRM imagoes, soldiers, workers (South Africa: Zululand), AMNH imagoes, soldier, workers (South Africa: Zululand), USNM imagoes (South Africa: Zululand), NCIP imago (South Africa: Natal) [incorrectly cited as ?paratype by Ruelle, 1975b].

Type localities: South Africa: Zululand: Entendweni, Mkosi, Mtewa, Somkele.

- Silvestri, 1914a: 69 *Microcerotermes zuluensis* [misidentification; not *zuluensis* fide Emerson]; locality. Ghana; Guinea; Senegal; South Africa.
- Hegh, 1922: 702 Microcerotermes zuluensis; reference list; distribution.
- Fuller, 1925b: 226–228, 244 *Microcerotermes zuluensis*; imago, soldier described; key; locality. South Africa.
- Sjöstedt, 1926d: 193, 203 *Microcerotermes zuluensis*; reference list; key; biology; remarks; locality. "Congo"; Ghana; Guinea; Senegal; South Africa; Tanzania.
- Sjöstedt, 1927a: 104 Microcerotermes zuluensis; soldier characters; locality. Somalia.
- Harris, 1936: 366 Microcerotermes zuluensis; biology; distribution. Tanzania.
- Ghidini, 1938: 231 Microcerotermes zuluensis; remarks; distribution. Somalia.
- Harris, 1941: 204 Microcerotermes zuluensis; distribution.
- Snyder, 1949a: 147, 148 *Microcerotermes zuluensis*; catalog; reference list. Congo-Brazzaville; Senegal; Somalia; South Africa; Tanzania.
- Weidner, 1956b: 93, 94, figs. 34B, 36 *Microcerotermes zuluensis*; soldier figured; key; locality. Angola.
- Weidner, 1961: 53 Microcerotermes zuluensis; synonymy; distribution. Angola.
- Bouillon and Mathot, 1965: 41 Microcerotermes zuluensis; catalog. Angola.
- Bouillon and Mathot, 1971: table: no. 139 Microcerotermes zuluensis; measurements.
- Weidner, 1974: 37 Microcerotermes zuluensis; listed. Angola.
- Roy-Noël, 1974b: 526–609 *Microcerotermes zuluensis*; synonymy; biology; ecology; distribution. Senegal.

- Ruelle, 1975b: 10 Microcerotermes zuluensis; types listed.
- Wanyonyi et al., 1984: 4 Microcerotermes zuluensis; checklist; distribution. Tanzania, Zanzibar Island.
- Sands, 1998: 186, 394, figs. 646–651 *Microcerotermes zuluensis*; worker mandibles figured; distribution. Kenya.

Microcerotermes zuluensis grandis Holmgren, 1913d: 364 (soldier, worker).

Type data: Syntypes: NHMG soldiers, workers, AMNH soldier, workers.

Type locality: South Africa: Zululand.

- Hegh, 1922: 703 Microcerotermes zuluensis form grandis; reference list; distribution.
- Sjöstedt, 1926d: 203 Microcerotermes zuluensis form grandis listed; characters.
- Snyder, 1949a: 148 Microcerotermes zuluensis form grandis; synonymized with zuluensis.
- (\*) DISTRIBUTION: Ethiopian Region—Angola; Congo-Brazzaville; Kenya; Senegal; Somalia; South Africa; Tanzania.

### Microcerotermes zuluoides Fuller, 1925

*Microcerotermes zuluoides* Fuller, 1925b: 244 (imago, soldier) [species mentioned only in a synoptic key, with no information on specific locality].

Type data: Syntypes (whereabouts unknown): soldiers, workers [apparently lost fide Ruelle, 1975b: 1].

Type locality: South Africa.

- Snyder, 1949a: 148 Microcerotermes zuluoides; catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 140 Microcerotermes zuluoides; measurements.
- Ruelle, 1975b: 1 Microcerotermes zuluoides; types cited as lost.
- TISTRIBUTION: Ethiopian Region—South Africa.

#### *Microcerotermes* incertae sedis

## †Microcerotermes latinotus Rosen, 1913 [nomen nudum]

†Microcerotermes latinotus Rosen, 1913a: 333 [nomen nudum; but imago material in BMNH].

- Snyder, 1925d: chart 1 Microcerotermes latinotus; listed.
- Snyder, 1949a: 367 Microcerotermes latinotus; catalog. East Africa; Gum Copal.
- Nel and Paicheler, 1993: 169 Microcerotermes latinotus [as nomen nudum]; paleontology, distribution.
- Tanzania.
- \* Fossil record: Cenozoic-Quaternary: Pleistocene.

# Mirocapritermes Holmgren, 1914

Mirocapritermes Holmgren, 1914: 277.

Type species: Mirocapritermes connectens Holmgren, 1914 by monotypy.

- Emerson, 1928b: 408 *Microcapritermes* [sic]; distribution.
- Snyder, 1949a: 189 Mirocapritermes; catalog; reference list.
- Emerson, 1955: 512 Mirocapritermes; number of species; distribution.

- Weidner, 1955f: 73 *Mirocapritermes*; number of species; distribution.
- Tsai and Chen, 1964b: 72, 73, 84 Mirocapritermes; key; characters.
- Ahmad, 1965: 8 Mirocapritermes; key.
- Krishna, 1968: 305–308 Mirocapritermes; synonymy; key; characters; phylogeny; species included; distribution.
- Chaudhry et al., 1972: 63 Mirocapritermes; characters.
- Chhotani and Bose, 1973: 235 Mirocapritermes; distribution. Indian region.
- Sen-Sarma, 1974: 459 Microcapritermes [sic]; ecology and biogeography.
- Akhtar, 1975: 60 Mirocapritermes; key.
- Morimoto, 1975b: 30 Mirocapritermes; key.
- Morimoto, 1976b: 34 Mirocapritermes; remarks.
- Abe, 1979: 132 *Mirocapritermes*; ecology.
- Ahmad and Akhtar, 1981: 2, 3, fig. 11 Mirocapritermes; key; enteric valve cushions figured.
- Chhotani, 1986: 23-24 Mirocapritermes; Oriental Region distribution and zoogeography.
- Chhotani, 1987: 411, 417 Mirocapritermes; Oriental Region distribution and zoogeography.
- Huang et al., 1989: 391, 491 Mirocapritermes; key; characters; distribution.
- Chhotani, 1997: 388–389 *Mirocapritermes*; synonymy; characters; distribution and composition; key to species.
- Huang et al., 2000: 546, 706–707 *Mirocapritermes*; key; characters; distribution.
- Sornnuwat et al., 2004: 357, 359 Mirocapritermes; key, number of species. Thailand.

## ▲ 8 species.

© DISTRIBUTION: Oriental Region.

## Mirocapritermes concaveus Ahmad, 1965

Mirocapritermes concaveus Ahmad, 1965: 97 (soldier, worker), fig. 102.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL soldier, workers, AMNH soldier, workers, ZUPL soldiers, workers [not type locality].

Type Locality: Thailand: Khao Yai.

- Krishna, 1968: 308 Mirocapritermes concaveus; listed.
- Morimoto, 1973a: 78 Microcapritermes [sic] concaveus; listed.
- Morimoto, 1976b: 35 Mirocapritermes concaveus; key; distribution.
- Tho, 1992: 206 Mirocapritermes concaveus; listed.
- Inoue et al., 2001b: 41-52 Mirocapritermes concaveus; biomass; feeding; distribution. Thailand.
- Ahmad and Akhtar, 2002: 64 Mirocapritermes concaveus; catalog. Thailand.
- Sornnuwat et al., 2004: 364 Mirocapritermes concaveus; checklist; distribution. Thailand.
- Inoue et al., 2006: 611, table 1 Mirocapritermes concaveus; checklist; feeding groups; ecology; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Thailand.

# Mirocapritermes connectens Holmgren, 1914

*Mirocapritermes connectens* Holmgren, 1914: 277–278 (soldier, worker), pl. 7: figs. 11a, b [as "*Miro-Capritermes*"].

Type data: Syntypes: AMNH soldier, workers, FRI worker.

Type Locality: Indonesia: Sumatra: Tandjong Slamat.

- Snyder, 1949a: 189  $\it Mirocapritermes connectens$ ; catalog; reference list. Sumatra.
- Ahmad, 1950: 84, fig. 17 Mirocapritermes connectens; worker mandibles figured.
- Ahmad, 1958: 182 Mirocapritermes connectens; key.

- Mathur and Thapa, 1962a: 113 Mirocapritermes connectens; collection catalog. Indonesia.
- Tsai and Chen, 1964a: 27, 35 Mirocapritermes connectens; distribution.
- Tsai and Chen, 1964b: 85–86, fig. 36 *Mirocapritermes connectens*; soldier described and figured. China.
- Krishna, 1965a: 14 *Mirocapritermes connectens*; comparisons.
- Ahmad, 1965: 95–96, 98, 110, fig. 100 *Mirocapritermes connectens*; soldier described and figured; key; reference list; distribution. Thailand.
- Krishna, 1968: 306, 308, figs. 34, 35 Mirocapritermes connectens; listed; worker mandibles, soldier figured.
- Morimoto, 1973a: 78 Microcapritermes [sic] connectens; listed.
- Morimoto, 1975b: 31, fig. 92 Mirocapritermes connectens; soldier figured.
- Morimoto, 1976b: 35 Mirocapritermes connectens; key; distribution.
- Morimoto, 1976a: 326 Microcapritermes [sic] connectens; locality. Malaysia: Mainland.
- Tho, 1992: 98, 199, 206, fig. 38B Mirocapritermes connectens; soldier described and figured. Malaysia.
- Eggleton et al., 1998a: 119–128 Mirocapritermes connectens; checklist; feeding; nest; ecology.
   Malaysia: Sabah.
- Jones and Brendell, 1998: 79–91 *Mirocapritermes connectens*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Eggleton et al., 1999b: 1795, table 1 *Mirocapritermes* near *connectens*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi and Bignell, 1999: 124, table 1 *Mirocapritermes connectens*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Ahmad and Akhtar, 2002: 64 Mirocapritermes connectens; catalog. Indonesia: Sumatra; Thailand.
- Homathevi et al., 2002: 234, table 1 Mirocapritermes connectens; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Mirocapritermes connectens*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 120 *Mirocapritermes connectens*; checklist; distribution. Malaysia: Mainland, Sabah, Sarawak; Indonesia: Kalimantan, Sumatra.
- Sornnuwat et al., 2004: 364 Mirocapritermes connectens; checklist; distribution. Thailand.
- Gathorne-Hardy et al., 2006: 607, table 1 *Mirocapritermes connectens*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak; Thailand.

## Mirocapritermes hsuchiafui Yu and Ping, 1966

Mirocapritermes hsuchiafui Yu and Ping, 1966: 125-128, 135 (soldier), fig. 2.

TYPE DATA: Holotype: HTCC I. No. 615 soldier. Paratypes: HTCC soldiers, workers. Type locality: China: Yunnan: Ying-chiang.

- Gao and Lam, 1986: 82 Mirocapritermes hsuchiafui; checklist; distribution. China.
- Huang et al., 1989: 492, fig. 364 *Mirocapritermes hsuchiafui*; soldier described and figured. China: Yunnan.
- Gao et al., 1992a: 45 Mirocapritermes hsuchiafui; checklist; distribution. China: Yunnan.
- Hua, 2000: 27 *Mironasutitermes hsuchiafui*; listed. China: Yunnan [incorrectly transferred to *Mironasutitermes*].
- Huang et al., 2000: 707–708, fig. 425 *Mirocapritermes hsuchiafui*; soldier described and figured. China.
- Ahmad and Akhtar, 2002: 64 Mirocapritermes hsuchiafui; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

# Mirocapritermes jiangchengensis Yang, Zhu, and Huang, 1995

Mirocapritermes jiangchengensis Yang et al., 1995: 80-81, 83 (soldier), figs. 8-13.

Type data: Holotype: KIZK 90 IV 23029 soldier. Paratypes: KIZK soldiers, workers.

Type locality: China: Yunnan Province, specific locality not mentioned.

- Huang et al., 2000: 708–709, fig. 426 *Mirocapritermes jiangchengensis*; soldier described and figured; key. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

# Mirocapritermes latignathus Ahmad, 1965

Mirocapritermes latignathus Ahmad, 1965: 96 (soldier, worker), fig. 101.

Түре дата: Holotype: ZUPL soldier. Paratypes: ZUPL workers, AMNH soldier.

TYPE LOCALITY: Thailand: Ka-Chong.

- Krishna, 1968: 308 Mirocapritermes latignathus; listed.
- Morimoto, 1973a: 78 Microcapritermes [sic] latignathus; listed.
- Morimoto, 1976b: 34 Mirocapritermes latignathus; key; distribution.
- Tho, 1992: 206 Mirocapritermes latignathus; listed.
- Ahmad and Akhtar, 2002: 64 Mirocapritermes latignathus; catalog. Thailand.
- Gathorne-Hardy, 2004: 120 Mirocapritermes latignathus; checklist; distribution. Malaysia: Mainland.
- Ohkuma et al., 2004: 701-710 Mirocapritermes latignathus; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Mirocapritermes latignathus; checklist; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Malaysia: Mainland; Thailand.

## Mirocapritermes prewensis Ahmad, 1965

Mirocapritermes prewensis Ahmad, 1965: 97-98 (soldier, worker), fig. 103.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers, AMNH soldier, workers. Type locality: Thailand: Prew.

- Krishna, 1968: 308 Mirocapritermes prewensis; listed.
- Morimoto, 1973a: 78 Microcapritermes [sic] prewensis; listed.
- Morimoto, 1976b: 35 Mirocapritermes prewensis; key; distribution.
- Tho, 1992: 206 Mirocapritermes prewensis; listed.
- Ahmad and Akhtar, 2002: 64 Mirocapritermes prewensis; catalog. Thailand.
- Sornnuwat et al., 2004: 364 Mirocapritermes prewensis; checklist; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Thailand.

## Mirocapritermes snyderi Akhtar, 1975

Mirocapritermes snyderi Akhtar, 1975: 166-168 (soldier), fig. 81.

Type data: Holotype: ZUPL soldier [by monotypy].

Type locality: Bangladesh: Ukhia.

- Chaudhry et al., 1972: 63 *Mirocapritermes snyderi*; nomen nudum; biology; distribution. Bangladesh.
- Ahmad, 1986: 18 Mirocapritermes snyderi; distribution. Bangladesh.

- Chhotani, 1997: 389–391, fig. 188 Mirocapritermes snyderi; soldier described and figured; synonymy; key. Bangladesh.
- Ahmad and Akhtar, 2002: 64 Mirocapritermes snyderi; catalog. Bangladesh.
- ♠ DISTRIBUTION: Oriental Region—Bangladesh.

## Mirocapritermes valeriae Krishna, 1965

Mirocapritermes valeriae Krishna, 1965a: 13-15 (soldier, worker), fig. 6.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldier, workers.

Type locality: Myanmar: Maymyo: Botanical Garden.

- Ahmad, 1965: 96, 98 Mirocapritermes valeriae; comparisons.
- Krishna, 1968: 308 Mirocapritermes valeriae; listed.
- Chhotani, 1977a: 33 Mirocapritermes valeriae; distribution. Myanmar.
- Tho, 1992: 206 Mirocapritermes valeriae; listed.
- Chhotani, 1997: 391–392, fig. 189 *Mirocapritermes valeriae*; soldier described and figured; synonymy; key. Myanmar.
- Ahmad and Akhtar, 2002: 64 Mirocapritermes valerae [sic]; catalog. Mayanmar [sic].
- © DISTRIBUTION: Oriental Region—Myanmar (Burma).

# †Nanotermes Engel and Grimaldi, 2011

†Nanotermes Engel et al., 2011a: 117-118 (imago).

Type species: Nanotermes isaacae Engel and Grimaldi, 2011 by original designation.

- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

# †Nanotermes isaacae Engel and Grimaldi, 2011

†Nanotermes isaacae Engel et al., 2011a: 118 (imago), figs. 1A, 7.

TYPE DATA: Holotype: BSIPL Tad-262 imago.

Type locality: India: Gujarat: Tadkeshwar lignite mine, Cambay Formation (Paleo-Eocene) [21°21.400′N, 73°4.532′E].

- © DISTRIBUTION: Oriental Region—India: Gujarat.
- \* Fossil record: Cenozoic-Palaeogene: Eocene.

# Neocapritermes Holmgren, 1912

**Neocapritermes** Holmgren, 1912a: 115–116 [first introduced as a subgenus of *Capritermes* Wasmann, 1897].

Type species: *Capritermes alienus* von Rosen, 1912 (= *Termes opacus* Hagen, 1858) by subsequent designation; see Sjöstedt, 1926d: 287; Snyder, 1949a: 200, *Neocapritermes opacus* designated as type species, Krishna, 1968: 87 for discussion of type species.

- Silvestri, 1903: 62 Capritermes [part]; synonymy; characters.
- Emerson, 1925: 445 Capritermes (Neocapritermes); distribution.
- Sjöstedt, 1926d: 286 Neocapritermes; reference list; alienus designated as type species.
- Snyder, 1926e: 64 Capritermes (Neocapritermes); key; discussion.
- Emerson, 1928b: 408 Capritermes (Neocapriterme); distribution.
- Hare, 1937: 478, pl. 5 Neocapritermes; phylogeny; Holmgren's phylogeny compared.
- Snyder, 1949a: 200 Neocapritermes; catalog; reference list.
- Emerson, 1955: 512 Neocapritermes; number of species; distribution.
- Weidner, 1955f: 73 Neocapritermes; number of species; distribution.
- Webb, 1961: 11 *Neocapritermes*; key.
- Krishna and Araujo, 1968: 87–92 *Neocapritermes*; synonymy; characters; biology; relationships; key to species.
- Krishna, 1968: 312–316 Neocapritermes; synonymy; key; characters; phylogeny; species included; distribution.
- Araujo, 1970d: 535 Neocapritermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 31 Neocapritermes; key.
- Araujo, 1977c: 63 Neocapritermes; catalog.
- Mathews, 1977: 135 *Neocapritermes*; synonymy; characters; comparisons.
- Bandeira, 1979b: 490 Neocapritermes; ecology. Brazil: Amazonia State.
- Mill, 1982a: 255 Neocapritermes; habitat; nest location; food; locality. Brazil.
- Mill, 1982b: 56 Neocapritermes; habitat; nest location; food.
- Mill, 1983a: 182, 185 Neocapritermes; key; number of species in New World; habitat; distribution.
- Nickle and Collins, 1992: 225, 227, 230–231 Neocapritermes; key; characters.
- Constantino, 1998a: 114, figs. 14–18 Neocapritermes; synonymy; digestive tube described and figured.
- Constantino, 1998b: 204 Neocapritermes; catalog.
- Fontes, 1998: 367 *Neocapritermes*; catalog.
- Fontes and Monteiro, 1998: 26 Neocapritermes; etymology and pronunciation.
- Constantino, 1999a: 407, 419 Neocapritermes; key; biology; distribution.
- Constantino, 2002a: 24 *Neocapritermes*; key.

### ▲ 17 species.

§ DISTRIBUTION: Neotropical Region.

# Neocapritermes angusticeps (Emerson, 1925)

Capritermes (Neocapritermes) angusticeps Emerson, 1925: 447-449 (imago, soldier), fig. 91.

Type data: Holotype: AMNH soldier. Paratypes: AMNH imagoes, soldiers, workers, AMNH soldiers, workers [not type locality], NHMM imagoes, soldiers, workers, MCZ No. 1054 imagoes.

Type Locality: Guyana (British Guiana): Kartabo.

- Banks, 1918: 666 Capritermes cingulatus [misidentification]; locality. Guyana.
- Adamson, 1937: 145 Neocapritermes angusticeps; listed; characters; biology; distribution; new combination. Trinidad.
- Hare, 1937: 469, pl. 12: fig. 49 Capritermes (Neocapritermes) angusticeps; imago/worker, soldier mandibles measurements and figures.
- Adamson, 1940a: 12 Neocapritermes angusticollis [sic]; listed; distribution. Trinidad.
- Weber, 1941: 326 Neocapritermes angusticeps; association with ants; distribution. Guyana.
- Adamson, 1946: 222 Neocapritermes angusticeps; listed; distribution. Trinidad.

- Snyder, 1949a: 200 Neocapritermes angusticeps; catalog; reference list. Guyana.
- Ahmad, 1950: 83, fig. 14 Neocapritermes angusticeps; imago mandibles figured.
- Snyder, 1956b: 190, 195 Neocapritermes angusticeps; distribution. Trinidad.
- Mathur and Thapa, 1962a: 114 Neocapritermes angusticeps; collection catalog. Trindad.
- Krishna and Araujo, 1968: 95–99, figs. 4–6 *Neocapritermes angusticeps*; synonymy; key; imago, soldier described and figured; distribution. Brazil; Guyana; Suriname; Trinidad.
- Krishna, 1968: 316 Neocapritermes angusticeps; listed.
- Van Boven, 1969a: 45 Neocapritermes angusticeps; types listed.
- Araujo, 1977c: 63 Neocapritermes angusticeps; catalog. Brazil; Guyana; Suriname; Trinidad.
- Salick et al., 1983: 1-7 *Neocapritermes angusticeps*; ecology; rainforest. Brazil.
- Bandeira, 1990: 225–241, table 1 Neocapritermes angusticeps; ecology; distribution.
- Constantino, 1991a: 5, 6 *Neocapritermes angusticeps*; biology; distribution. Brazil; Guianas; Trinidad.
- Constantino and Cancello, 1993: 404 Neocapritermes angusticeps; distribution. Brazil: Amazonia.
- Scheffrahn et al., 1994: 225, 234 Neocapritermes angusticeps; distribution. Trinidad.
- Constantino, 1998b: 204 Neocapritermes angusticeps; catalog. Brazil; Guianas; Trinidad.
- Fontes, 1998: 367 Neocapritermes angusticeps; catalog; distribution. Brazil.
- Issa, 2000: 381 *Neocapritermes angusticeps*; checklist; distribution. Venezuela.
- Davies, 2002: 241 Neocapritermes angusticeps; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 Neocapritermes angusticeps; checklist; ecology; feeding groups; distribution. French Guiana.
- Scheffrahn et al., 2003b: 33–38 Neocapritermes angusticeps; distribution. Trinidad.
- DISTRIBUTION: Neotropical Region—Brazil; French Guiana; Guyana; Suriname; Trinidad; Venezuela.

## Neocapritermes araguaia Krishna and Araujo, 1968

Neocapritermes araguaia Krishna and Araujo, 1968: 99–100 (soldier), fig. 7.

TYPE DATA: Holotype: AMNH soldier. Paratype: MZUSP soldier.

Type locality: Brazil: Goiás: Fazenda Piedale.

- Krishna, 1968: 316 Neocapritermes araguaia; listed.
- Araujo, 1977c: 63 Neocapritermes araguaia; catalog. Brazil.
- Prestwich, 1984a: table 1 Neocapritermes araguaia; checklist; ecology; defense mode; chemicals; distribution.
- Constantino, 1991a: 6 Neocapritermes araguaia; biology; distribution. Brazil.
- Constantino and Cancello, 1993: 404 Neocapritermes araguaia; distribution. Brazil: Amazonia.
- Constantino, 1998b: 204 Neocapritermes araguaia; catalog. Brazil.
- Fontes, 1998: 367 Neocapritermes araguaia; catalog; distribution. Brazil.
- Constantino and Dianese, 2001: 325 Neocapritermes araguaia; checklist; biology; ecology; distribution. Brazil: Brasília.
- Davies, 2002: 241 Neocapritermes araguaia; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 *Neocapritermes araguaia*; checklist; ecology; feeding groups; distribution. French Guiana.
- Ferreira da Cunha et al., 2006: 518 Neocapritermes araguaia; checklist; distribution. Brazil: Goiás State.
- TISTRIBUTION: Neotropical Region—Brazil; French Guiana.

## Neocapritermes bodkini (Silvestri, 1923)

Capritermes bodkini Silvestri, 1923a: 312-315 (soldier, worker).

Type data: Lectotype: IEA soldier. Paralectotypes: IEA soldiers, AMNH soldiers, NCIP soldier [incorrectly cited as paratype by Ruelle, 1975b].

LECTOTYPE DESIGNATION: Krishna and Araujo, 1968: 103.

Type locality: Guyana: Tumatumari: Potaro River.

- Emerson, 1925: 310, 445–447, fig. 90 Capritermes (Neocapritermes) bodkini; synonymy; imago, soldier described and figured; key. Guyana.
- Weber, 1941: 326 Neocapritermes bodkini; listed; distribution; new combination. Guyana.
- Snyder, 1949a: 200 Neocapritermes bodkini; catalog; reference list; synonymy. Guyana.
- Mathur and Thapa, 1962a: 114 Neocapritermes bodkini; collection catalog. Guyana.
- Krishna and Araujo, 1968: 100–103, figs. 8, 9 Neocapritermes bodkini; synonymy; key; imago, soldier described and figured; distribution. Guyana.
- Krishna, 1968: 314, 316, 319 Neocapritermes bodkini; listed.
- Ruelle, 1975b: 10 Neocapritermes bodkini; types listed.
- Araujo, 1977c: 63 Neocapritermes bodkini; catalog; synonymy. Brazil; Guyana.
- Constantino, 1991a: 7 Neocapritermes bodkini; biology; distribution. Brazil; Guyana.
- Constantino and Cancello, 1993: 404 Neocapritermes bodkini; distribution. Brazil: Amazonia.
- Constantino, 1998b: 204 Neocapritermes bodkini; catalog, synonymy. Brazil; Guyana.
- Fontes, 1998: 367 Neocapritermes bodkini; catalog; distribution. Brazil; Guyana.

Capritermes bodkini modestior Silvestri, 1923a: 315-318 (imago, soldier, worker).

Type data: Syntypes: IEA imagoes, soldiers, workers.

Type locality: Guyana: Tumatupari.

— Emerson, 1925: 445 • Capritermes bodkini modestior; synonymized with bodkini.

TISTRIBUTION: Neotropical Region—Brazil: Belém; Guyana.

### *Neocapritermes braziliensis* (Snyder, 1926)

Capritermes (Neocapritermes) braziliensis Snyder, 1926e: 64-65 (soldier), fig. 3c.

Type data: Holotype: USNM No. 27634 soldier. Paratypes: USNM soldiers, workers.

Type locality: Brazil: Rio Mautania.

- Snyder, 1949a: 200 Neocapritermes braziliensis; catalog; new combination. Brazil.
- Krishna and Araujo, 1968: 103–106, figs. 10, 11 *Neocapritermes braziliensis*; synonymy; key; imago, soldier described and figured; distribution. Brazil.
- Krishna, 1968: 316 Neocapritermes braziliensis; listed.
- Araujo, 1977c: 63 Neocapritermes braziliensis; catalog. Brazil.
- Constantino, 1991a: 7 Neocapritermes braziliensis; biology; distribution. Brazil.
- Constantino, 1991c: 198–199 *Neocapritermes braziliensis*; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 404 Neocapritermes braziliensis; distribution. Brazil: Amazonia.
- Constantino, 1998b: 204 Neocapritermes braziliensis; catalog. Brazil.
- Fontes, 1998: 367 Neocapritermes braziliensis; catalog; distribution. Brazil.
- Constantino, 1999a: figs. 126, 127 Neocapritermes braziliensis; soldier figured.
- Issa, 2000: 381 Neocapritermes braziliensis; checklist; distribution. Venezuela.

- Constantino, 2002a: figs. 164-165 Neocapritermes braziliensis; soldier figured.
- Apolinário and Martius, 2004: 23–28 Neocapritermes braziliensis; ecology; tree trunks; Amazonian rainforest.
- § DISTRIBUTION: Neotropical Region—Brazil; Venezuela.

## *Neocapritermes centralis* (Snyder, 1932)

Capritermes (Neocapritermes) centralis Snyder, 1932: 100 (soldier).

Type data: Lectotype: USNM No. 44100 soldier. Paralectotypes: AMNH soldier, worker, USNM soldiers, workers.

LECTOTYPE DESIGNATION: Krishna and Araujo, 1968: 107.

Type Locality: Costa Rica: Santa Clara: Hamburg Farm.

- Snyder, 1934b: 97 Capritermes (Neocapritermes) centralis; locality. Costa Rica.
- Snyder, 1949a: 200 Neocapritermes centralis; catalog; new combination. Costa Rica; Panama.
- Krishna and Araujo, 1968: 106–107, fig. 12 Neocapritermes centralis; synonymy; key; soldier described and figured; distribution. Costa Rica; Panama.
- Krishna, 1968: 316 Neocapritermes centralis; listed.
- Araujo, 1977c: 63 Neocapritermes centralis; catalog. Costa Rica; Panama.
- Nickle and Collins, 1992: 209, 230, figs. 13.66, 13.67 Neocapritermes centralis; soldier figured; distribution. Panama.
- Constantino, 1998b: 204 Neocapritermes centralis; catalog. Costa Rica; Panama.
- Fontes, 1998: 367 Neocapritermes centralis; catalog.
- Roisin et al., 2006: 301–311 Neocapritermes centralis; ecology; canopy forest; species richness; vertical distribution. Panama.
- § DISTRIBUTION: Neotropical Region—Costa Rica; Panama.

## Neocapritermes guyana Krishna and Araujo, 1968

Neocapritermes guyana Krishna and Araujo, 1968: 108-109 (soldier), fig. 13.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldiers, workers, MZUSP soldier, workers.

Type locality: Guyana: Bartica District: Makouria Creek.

- Krishna, 1968: 316 Neocapritermes guyana; listed.
- Araujo, 1977c: 63 Neocapritermes guyana; catalog. Guyana.
- Salick et al., 1983: 1-7 Neocapritermes guyana; ecology; rainforest. Brazil.
- Constantino, 1991a: 8 Neocapritermes guyana; biology; distribution. Brazil; Guyana.
- Constantino and Cancello, 1993: 404 Neocapritermes guyana; distribution. Brazil: Amazonia.
- Constantino, 1998b: 204 Neocapritermes guyana; catalog. Brazil; Guyana.
- Fontes, 1998: 368 Neocapritermes guyana; catalog; distribution. Brazil; Guyana.
- Bandeira and Vasconcellos, 1999: 40, table 1 Neocapritermes guyana; checklist; ecology; distribution. Brazil.
- Tistribution: Neotropical Region—Brazil; Guyana.

## Neocapritermes longinotus (Snyder, 1926)

#### Capritermes (Neocapritermes) longinotus Snyder, 1926a: 27 (soldier).

Type data: Lectotype: USNM No. 28661 soldier. Paralectotypes: USNM No. 28661 soldiers, AMNH soldier.

LECTOTYPE DESIGNATION: Krishna and Araujo, 1968: 110.

Type locality: Colombia: Rio Frío.

- Snyder, 1949a: 200 Neocapritermes longinotus; catalog; new combination. Colombia.
- Krishna and Araujo, 1968: 109–110, fig. 14 Neocapritermes longinotus; synonymy; key; soldier described and figured; distribution. Colombia.
- Krishna, 1968: 316 Neocapritermes longinotus; listed.
- Araujo, 1977c: 63 Neocapritermes longinotus; catalog. Colombia.
- Constantino, 1998b: 204 Neocapritermes longinotus; catalog. Colombia.
- Davies, 2002: 241 Neocapritermes longinotus; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 Neocapritermes longinotus; checklist; ecology; feeding groups; distribution. French Guiana.
- © DISTRIBUTION: Neotropical Region—Colombia; French Guiana.

## Neocapritermes mirim Bandeira and Cancello, 1992

Neocapritermes mirim Bandeira and Cancello, 1992: 428-430 (soldier, worker), figs. 7-10.

TYPE DATA: Holotype: INPA 595 soldier. Paratypes: INPA 595, 296, 219 soldiers, workers, MZUSP 9452, 9454, 2453 soldiers, workers.

Type locality: Brazil: Roraima: Ilha de Maracá.

- Constantino, 1998b: 204 Neocapritermes mirim; catalog. Brazil.
- Fontes, 1998: 368 Neocapritermes mirim; catalog; distribution. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil.

### **Neocapritermes opacus** (Hagen, 1858)

Termes (Eutermes) opacus Hagen, 1858c: 196-198, 243 (imago, worker), pl. 3: fig. 27.

Type data: Lectotype: MCZ No. 209 imago. Paralectotypes: ZMB imago.

LECTOTYPE DESIGNATION: Krishna and Araujo, 1968: 117.

Type locality: Brazil: Congonhas.

- Hagen, 1858b: 27 *Termes (Entermes* [sic]) *opacus*; imago described; synonymy; distribution. Brazil.
- Hagen, 1858c: 187, pl. 1: fig. 13 Termes cingulatus; soldier described and figured [= opacus].
- Hagen, 1861b: 300 Termes opacus; synonymy; distribution. Brazil.
- Müller, 1871: 206 Termes cingulatus [misidentification]; biology. Brazil: St. Catharina.
- Wasmann, 1897b: 151 Termes (Capritermes) opacus; listed; synonymy. Brazil.
- Silvestri, 1901: 5 Capritermes opacus; listed; new combination.
- Silvestri, 1902a: 11 Capritermes opacus; biology.
- Wasmann, 1902d: 126 Capritermes cingulatus [misidentification]; synonymy.
- Silvestri, 1903: 62, 64, 127, fig. 14, pl. 3: figs. 108–112 *Capritermes opacus*; imago, soldier, worker described; imago, soldier figured; biology. Argentina; Brazil; Paraguay.
- Desneux, 1904a: 44 Termes (Eutermes) opacus; reference list. synonymy. "Equatorial America."

- Holmgren, 1906: 557–558, 668, fig. Qa *Capritermes opacus*; soldier described and figured; distribution. Argentina; Bolivia; Brazil; Paraguay.
- Holmgren, 1909b: 81–82, figs. 17, 18 *Capritermes opacus*; anatomy; imago, worker head figured.
- Holmgren, 1912a: 116 Capritermes (Neocapritermes) opacus; listed. South America.
- Emerson, 1925: 449 Capritermes (Neocapritermes) opacus; listed.
- Snyder, 1949a: 201 *Neocapritermes opacus*; catalog; reference list; synonymy; new combination. Argentina; Bolivia; Brazil; Paraguay.
- Grassé, 1949: figs. 114d-e Neocapritermes opacus; gut figured.
- Ahmad, 1950: 68, 69, 83 Neocapritermes opacus; worker mandible figured.
- Kaiser, 1953: 228–234 Neocapritermes opacus; soldier figured; function of asymmetrical mandibles.
- Araujo, 1958b: 232 Neocapritermes opacus; distribution.
- Araujo, 1958a: 212–213 *Neocapritermes opacus*; distribution.
- Gonçalves and Silva, 1962: 205 Neocapritermes opacus; checklist; biology; locality. Brazil.
- Mathur and Thapa, 1962a: 114 Neocapritermes opacus; collection catalog. Brazil.
- Deligne, 1967: 135 Neocapritermes opacus; soldier mandibles; morphology.
- Krishna and Araujo, 1968: 110–117, figs. 15, 16 *Neocapritermes opacus*; synonymy; key; imago, soldier described and figured; distribution. Argentina; Bolivia; Brazil; Ecuador; Paraguay.
- Krishna, 1968: 312, 316, figs. 42, 43, 44 Neocapritermes opacus; listed; worker mandibles, imago, soldier figured.
- Araujo, 1970d: 569-570 Neocapritermes opacus; biology; distribution.
- Morimoto, 1975b: 31, fig. 94 Neocapritermes opacus; soldier figured.
- Araujo, 1977c: 64 *Neocapritermes opacus*; catalog; synonymy. Argentina; Bolivia; Brazil; Ecuador; Paraguay.
- Mathews, 1977: 135, 137, fig. 71 Neocapritermes opacus; imago, soldier, worker described and figured. Brazil.
- Fowler and Haines, 1983: 187–201 *Neocapritermes opacus*; ants; vegetational succession; grassland. Paraguay.
- Prestwich, 1984a: table 1 Neocapritermes opacus; checklist; ecology; defense mode; chemicals; distribution.
- Constantino, 1991a: 8 *Neocapritermes opacus*; biology; distribution. Argentina; Bolivia; Brazil; Ecuador; Paraguay.
- Gontijo and Junqueira, 1991: 525 Neocapritermes opacus; checklist; feeding; ecology; cerrado; distribution. Brazil.
- Constantino and Cancello, 1993: 404 Neocapritermes opacus; distribution. Brazil: Amazonia.
- Torales et al., 1997: 48 Neocapritermes opacus; distribution. Argentina.
- Constantino, 1998a: 114, figs. 14–18 *Neocapritermes opacus*; digestive tube described and figured.
- Constantino, 1998b: 205 *Neocapritermes opacus*; catalog; synonymy. Ecuador to Argentina, Brazil.
- Fontes, 1998: 368 Neocapritermes opacus; catalog; distribution. Argentina; Brazil.
- Bandeira and Vasconcellos, 1999: 40, table 1 Neocapritermes opacus; checklist; ecology; distribution. Brazil.
- Constantino, 1999b: 144 Neocapritermes opacus; errata for figure legends in Constantino, 1998a.
- Martins, 1999: 396, 398, 401, fig. 7a Neocapritermes opacus; karyotype.
- Constantino and Dianese, 2001: 325 Neocapritermes opacus; checklist; biology; ecology; distribution. Brazil: Brasília.
- Constantino, 2002c: 358, table 3 *Neocapritermes opacus*; checklist; damage; distribution. Argentina; Bolivia; Brazil; Ecuador; Paraguay; Peru.
- Constantino, 2002a: fig. 214 Neocapritermes opacus; worker gut figured.
- Milano and Fontes, 2002: 65, fig. 2i Neocapritermes opacus; soldier figured; distribution.
   Argentina; Brazil.

- Soares and Costa-Leonardo, 2002: 1-6 Neocapritermes opacus; leg exocrine gland; morphology.
- Amaral-Castro et al., 2004: 720, table 1 Neocapritermes opacus; damage; Eucalyptus; distribution. Brazil: Minas Gerais.
- Laffont et al., 2004: 665–670 Neocapritermes opacus; checklist; feeding habits; collection sites; distribution. Argentina.
- Torales et al., 2005b: 259–280 *Neocapritermes opacus*; checklist; diversity; distribution. Argentina.
- Torales et al., 2005a: 873 *Neocapritermes opacus*; distribution. Argentina: Chaco, Corrientes, Formosa, Misiones.
- Ferreira da Cunha et al., 2006: 518 Neocapritermes opacus; checklist; distribution. Brazil: Goiás State.
- Torales et al., 2008: 41 *Neocapritermes opacus*; distribution. Argentina: Chaco, Corrientes, Formosa, Misiones.

### Termes saliens Müller, 1873: 347 (soldier).

Type data: Syntypes (whereabouts unknown): soldiers.

Type locality: Brazil: Santa Catarina.

- Berg, 1880: 15 Termes saliens; listed.
- Snyder, 1949a: 201 Termes saliens; synonymized with opacus.

### Termes lacussancti Sörensen, 1884: 23-24 (soldier, worker).

Type data: Syntypes: MCZ No. 10096 soldiers, workers.

Type locality: Brazil: Minas Gerais: Lagoa Santa.

— Snyder, 1949a: 201 • Termes lacus-sancti; synonymized with opacus.

#### Termes orensis Sörensen, 1884: 22-23 (soldier).

Type data: Syntypes: MCZ No. 10095 soldiers.

Type locality: Argentina: Gran Chaco.

— Snyder, 1949a: 201 • Termes orensis; synonymized with opacus.

### Termes (Capritermes) paradoxus Wasmann, 1897b: 151-152 (soldier).

Type data: Syntypes: NHMM soldiers, workers.

Type locality: Brazil: Rio Grande do Sul: São Leopoldo.

- Holmgren, 1906: 668 Capritermes paradoxus; distribution. Brazil; Paraguay.
- Snyder, 1949a: 201 Termes (Capritermes) paradoxus; synonymized with opacus.
- Van Boven, 1969a: 45 Neocapritermes paradoxus; listed.

### Capritermes alienus Rosen, 1912: 229-230 (soldier), fig. 7.

Type data: Syntypes: ZSM soldiers.

Type locality: Unknown [incorrectly cited as Africa].

- Holmgren, 1912a: 116 Capritermes (Neocapritermes) alienus; listed. Africa [error in locality].
- Hegh, 1922: 502, 701 Capritermes (Neocapritermes) alienus; reference list; distribution.
- Sjöstedt, 1926d: 287, fig. 66 *Neocapritermes alienus*; soldier figured; reference list; key; biology; remarks; locality. ?Ethiopia [incorrect locality; *Neocapritermes* not found in Africa].
- Jucci, 1937: 304 Capritermes alienus; distribution.
- Ghidini, 1938: 232 Neocapritermes alienus; remarks; distribution. Ethiopia [incorrect locality].
- Snyder, 1949a: 201 Capritermes alienus; synonymized with opacus.

Capritermes (Neocapritermes) parallelus Snyder, 1926e: 67–69 (imago, soldier).

Type data: Holotype: USNM No. 27676 winged imago. Paratypes: USNM imagoes, soldiers, workers, AMNH soldiers, workers.

Type locality: Bolivia: Rosario.

- Silvestri, 1934: figs. 19.6, 19.7 Capritermes parallelus; soldier figured.
- Snyder, 1949a: 201 Capritermes (Neocapritermes) parallelus; synonymized with opacus.
- S DISTRIBUTION: Neotropical Region—Argentina: Chaco, Corrientes, Formosa, Misiones; Bolivia; Brazil; Ecuador; Paraguay; Peru.

## Neocapritermes parvus (Silvestri, 1901)

Capritermes opacus parvus Silvestri, 1901: 5 (soldier, worker).

Type data: Lectotype: IEA soldier. Paralectotypes: AMNH soldiers, workers, nymphs, MZUSP soldiers, IEA soldiers, workers, nymphs.

LECTOTYPE DESIGNATION: Krishna and Araujo, 1968: 118.

Type locality: Brazil: Mato Grosso: Cuiabá.

- Silvestri, 1902a: 11 Capritermes opacus subsp. parvus; biology.
- Silvestri, 1903: 64, 128, pl. 3: fig. 113 *Capritermes opacus* subsp. *parvus*; soldier, worker, nymph described; soldier figured; biology. Brazil; Paraguay.
- Desneux, 1904b: 44 Termes (Eutermes) opacus subsp. parvus; reference list. Brazil; Paraguay.
- Holmgren, 1906: 668 Capritermes opacus parvus; distribution. Brazil; Paraguay.
- Holmgren, 1912a: 116 Capritermes (Neocapritermes) parvus; listed. South America.
- Snyder, 1949a: 201 *Neocapritermes parvus*; catalog; reference list; new combination. Brazil; Paraguay.
- Krishna and Araujo, 1968: 117–119, fig. 17 *Neocapritermes parvus*; synonymy; key; soldier described and figured; distribution. Brazil.
- Krishna, 1968: 316 Neocapritermes parvus; listed.
- Araujo, 1977c: 64 Neocapritermes parvus; catalog. Brazil; Paraguay.
- Constantino, 1998b: 205 Neocapritermes parvus; catalog. Brazil; Paraguay.
- Fontes, 1998: 368 Neocapritermes parvus; catalog.
- Constantino, 2002c: 358, table 3 *Neocapritermes parvus*; checklist; damage; distribution. Brazil; Paraguay.
- S DISTRIBUTION: Neotropical Region—Brazil; Paraguay.

## Neocapritermes pumilis Constantino, 1991

Neocapritermes pumilis Constantino, 1991a: 2-3 (soldier, worker), figs. 1, 2.

Type data: Holotype: MPEG 3360 soldier. Paratypes: MPEG 3737 soldiers, worker.

Type locality: Brazil: Pará: Belém.

- Constantino, 1998b: 205 Neocapritermes pumilis; catalog. Brazil.
- Fontes, 1998: 368 Neocapritermes pumilis; catalog; distribution. Brazil.
- Davies, 2002: 241 Neocapritermes pumilis; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 Neocapritermes pumilis; checklist; ecology; feeding groups; distribution. French Guiana.
- TISTRIBUTION: Neotropical Region—Brazil; French Guiana.

# Neocapritermes talpa (Holmgren, 1906)

Capritermes talpa Holmgren, 1906: 560-562 (soldier, worker), figs. R, S.

Type data: Syntypes: NHRM soldiers, workers, AMNH soldiers, workers.

Type Locality: Peru: Carabaya: Chaquimayo.

- Holmgren, 1912a: 116 Capritermes (Neocapritermes) talpa; listed. South America.
- Emerson, 1925: 449 Capritermes (Neocapritermes) talpa; listed.
- Snyder, 1949a: 201, 202 *Neocapritermes talpa*; catalog; reference list; new combination. Bolivia; Peru.
- Dourojeanni, 1964: 84 Neocapritermes talpa; synonymy; distribution.
- Krishna and Araujo, 1968: 119–120, fig. 18 Neocapritermes talpa; synonymy; key; soldier described and figured; distribution. Bolivia; Colombia; Peru.
- Krishna, 1968: 316 Neocapritermes talpa; listed.
- Araujo, 1977c: 64 Neocapritermes talpa; catalog; synonymy. Bolivia; Colombia; Peru.
- Constantino, 1991a: 8, 9 Neocapritermes talpa; biology; distribution. Brazil; Colombia; Peru.
- Constantino and Cancello, 1993: 404 Neocapritermes talpa; distribution. Brazil: Amazonia.
- Constantino, 1998b: 205 *Neocapritermes talpa*; catalog; synonymy. Bolivia; Brazil; Colombia; Peru [incorrect date for *hopkinsi* in synonymy].
- Fontes, 1998: 368 Neocapritermes talpa; catalog; distribution. Brazil.
- Davies, 2002: 241 *Neocapritermes talpa*; checklist; ecology; feeding groups; distribution. French Guiana.
- Davies et al., 2003a: 522 Neocapritermes talpa; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Ferreira da Cunha et al., 2006: 518 Neocapritermes talpa; checklist; distribution. Brazil: Goiás State.

Neocapritermes hopkinsi Snyder, 1924j: 14 (soldier), pl. 3: fig. 6 [Snyder, 1926e: 66 (soldier), figs. 3a, 3b gives a detailed description of *hopkinsi* as a new species, with selection of type and type locality. However, in 1924j Snyder provides a figure of the soldier head, which, according to ICZN, 1999, art. 12, makes the name available. Therefore, the date for this species is 1924, not 1926, as heretofore mentioned in the literature].

Type data: Lectotype: USNM No. 27675 soldier. Paralectotypes: USNM soldier, AMNH soldier.

LECTOTYPE DESIGNATION: Snyder, 1926e: 66 [Snyder's selection of "Type" is actually a lectotype, since it was done subsequent to the first description].

Type locality: Bolivia: Ivon.

- Snyder, 1926e: 66, figs. 3a, b *Capritermes* (*Neocapritermes*) *hopkinsi*; incorrectly described as a new species; soldier described and figured. Bolivia.
- Snyder, 1949a: 202 Capritermes (Neocapritermes) hopkinsi; synonymized with talpa.
- 💲 DISTRIBUTION: Neotropical Region—Bolivia; Brazil; Colombia; French Guiana; Peru.

# Neocapritermes talpoides Krishna and Araujo, 1968

Neocapritermes talpoides Krishna and Araujo, 1968: 120-122 (soldier), fig. 19.

TYPE DATA: Holotype: AMNH soldiers. Paratypes: AMNH soldiers, MZUSP soldiers. Type locality: Ecuador: "East of Rio Zamora."

- Krishna, 1968: 316 Neocapritermes talpoides; listed.
- Araujo, 1977c: 64 Neocapritermes talpoides; catalog. Ecuador.

- Constantino and Cancello, 1993: 404 Neocapritermes talpoides; distribution. Brazil: Amazonia.
- Constantino, 1998b: 205 Neocapritermes talpoides; catalog. ?Brazil; Ecuador.
- Fontes, 1998: 368 Neocapritermes talpoides; catalog; distribution. Brazil; Ecuador.
- Bandeira and Vasconcellos, 1999: 40, table 1 Neocapritermes talpoides; checklist; ecology; distribution. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil; Ecuador.

## Neocapritermes taracua Krishna and Araujo, 1968

Neocapritermes taracua Krishna and Araujo, 1968: 122-124 (imago, soldier), figs. 20, 21.

TYPE DATA: Holotype: AMNH soldier. Paratypes: AMNH queen, worker, AMNH soldier [four series from non-type localities], MZUSP No. 4670 soldiers [not type locality].

Type locality: Brazil: Amazonia: Taracuá, Rio Uaupés.

- Krishna, 1968: 316 Neocapritermes taracua; listed.
- Araujo, 1977c: 64 Neocapritermes taracua; catalog. Brazil.
- Mathews, 1977: 137 Neocapritermes taracua; soldier. Brazil.
- Constantino, 1991a: 9 Neocapritermes taracua; biology; distribution. Brazil.
- Constantino and Cancello, 1993: 404 Neocapritermes taracua; distribution. Brazil: Amazonia.
- Constantino, 1998b: 205 Neocapritermes taracua; catalog. Brazil.
- Fontes, 1998: 368 Neocapritermes taracua; catalog; distribution. Brazil.
- Davies, 2002: 241 Neocapritermes taracua; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 Neocapritermes taracua; checklist; ecology; feeding groups; distribution. French Guiana.
- (\$) DISTRIBUTION: Neotropical Region—Brazil; French Guiana.

### Neocapritermes unicornis Constantino, 1991

Neocapritermes unicornis Constantino, 1991a: 4-5 (soldier, worker), figs. 3, 4.

Type data: Holotype: MPEG 3282 soldier. Paratypes: MPEG 3282, 3270 soldiers, workers. Type locality: Brazil: Amapá: Serra do Navio.

- Constantino, 1998b: 205-206 Neocapritermes unicornis; catalog. Brazil.
- Fontes, 1998: 368 Neocapritermes unicornis; catalog; distribution. Brazil.
- S DISTRIBUTION: Neotropical Region—Brazil.

### Neocapritermes utiariti Krishna and Araujo, 1968

Neocapritermes utiariti Krishna and Araujo, 1968: 124-126 (soldier), fig. 22.

Type data: Holotype: MZUSP soldier. Paratypes: MZUSP soldiers, workers, AMNH soldiers, workers, AMNH soldier, MZUSP soldier [not type locality].

Type locality: Brazil: Mato Grosso: Utiariti, on Rio Papagaio.

- Snyder, 1926e: 69–70 Capritermes (Neocapritermes) villosus [misidentification]; soldier described. Brazil.
- Snyder, 1949a: 202 Neocapritermes villosus [Uniao, Brazil record only]; catalog.
- Krishna, 1968: 316 Neocapritermes utiariti; listed.

- Araujo, 1977c: 64 Neocapritermes utiariti; catalog. Brazil.
- Bandeira, 1990: 225–241, table 1 *Neocapritermes utiariti*; ecology; distribution.
- Constantino, 1991a: 9 Neocapritermes utiariti; biology; distribution. Brazil.
- Constantino and Cancello, 1993: 404, 405 *Neocapritermes utiariti*; distribution. Brazil: Amazonia
- Constantino, 1998b: 206 Neocapritermes utiariti; catalog. Brazil.
- Fontes, 1998: 368 Neocapritermes utiariti; catalog; distribution. Brazil.
- TISTRIBUTION: Neotropical Region—Brazil.

## Neocapritermes villosus (Holmgren, 1906)

Capritermes opacus villosus Holmgren, 1906: 558-560 (soldier, worker), figs. Q.a-Q.c.

Type data: Lectotype: NHRM soldier. Paralectotypes: AMNH soldier, workers.

LECTOTYPE DESIGNATION: Krishna and Araujo, 1968: 128.

Type locality: Peru: Carabaya: Chaquimayo.

- Holmgren, 1909b: 82–83 Capritermes opacus villosus; anatomy.
- Holmgren, 1912a: 116 Capritermes (Neocapritermes) villosus; listed. South America.
- Emerson, 1925: 449 Capritermes (Neocapritermes) villosus; listed.
- Snyder, 1949a: 202 Neocapritermes villosus; catalog; reference list; new combination. Brazil; Peru.
- Dourojeanni, 1964: 84 Neocapritermes villosus; synonymy; distribution.
- Krishna and Araujo, 1968: 126–128, fig. 23 *Neocapritermes villosus*; synonymy; key; soldier described and figured; distribution. Ecuador; Peru.
- Krishna, 1968: 316 Neocapritermes villosus; listed.
- Araujo, 1970d: 570 *Neocapritermes villosus*; biology; distribution.
- Araujo, 1977c: 64 Neocapritermes villosus; catalog. Ecuador; Peru.
- Mathot, 1979: 15 Neocapritermes villosus; collection catalog; types listed.
- Constantino, 1991a: 10 Neocapritermes villosus; biology; distribution. Brazil; Ecuador; Peru.
- Constantino, 1998b: 206 Neocapritermes villosus; catalog. Ecuador; Peru.
- Fontes, 1998: 368 Neocapritermes villosus; catalog; distribution. Brazil.
- Constantino, 1999a: fig. 10 Neocapritermes villosus; worker mandibles figured.
- TISTRIBUTION: Neotropical Region—Brazil; Ecuador; Peru.

### **Onkotermes** Constantino, Liotta, and Giacosa, 2002

Onkotermes Constantino et al., 2002: 454-456.

Type species: Amitermes brevicorniger Silvestri, 1901 by original designation.

- Snyder, 1949a: 129 Synhamitermes [part]; catalog.
- Araujo, 1970d: 534 Synhamitermes [part]; distribution; number of species in Neotropical Region.
- Araujo, 1977c: 66 Synhamitermes; catalog.
- Constantino, 1998b: 208 Synhamitermes; catalog.
- Constantino, 1999a: 407, 419 Synhamitermes [part]; key, biology; distribution.
- Constantino, 2002a: 26 Onkotermes; key.

## ▲ 2 species.

§ DISTRIBUTION: Neotropical Region.

## Onkotermes brevicorniger (Silvestri, 1901)

### Amitermes brevicorniger Silvestri, 1901: 4 (soldier).

Type data: Syntypes: IEA soldiers (Argentina: Cosquin), AMNH soldier, worker, nymph (Argentina: Cosquin), FRI workers, nymph (Argentina: Cosquin), MCG soldier, worker (Argentina: Cernadas (Córdoba).

Type Locality: Argentina: Cosquin, Cernadas (Córdoba).

- Silvestri, 1902a: 5 Amitermes brevicorniger; biology.
- Silvestri, 1903: 45–46, pl. 2: figs. 64–69 *Amitermes brevicorniger*; soldier, nymph described and figured; biology [cited as *Hamitermes brevicorniger* in figure legend and on p. 115]. Argentina.
- Desneux, 1904b: 41 *Termes (Eutermes) brevicorniger*; reference list; new combination. Argentina; Brazil.
- Holmgren, 1906: 669 Hamitermes brevicorniger; distribution; new combination. Argentina.
- Holmgren, 1912a: 91, 93, figs. 58, 67, pl. 4: fig. 23 Hamitermes (Synhamitermes) brevicorniger; listed; soldier figured. Chile.
- Holmgren, 1912c: 792 Hamitermes (Synhamitermes) brevicorniger; listed. South America.
- Light, 1932e: 357, 359 365 Amitermes (Synhamitermes) brevicorniger; remarks.
- Snyder, 1949a: 129 *Synhamitermes brevicorniger*; catalog; reference list; new combination. Argentina; Brazil; Chile.
- Mathur and Thapa, 1962a: 51 Synhamitermes brevicorniger; collection catalog. Argentina.
- Guzmán, 1966: 7 Synhamitermes brevicorniger; synonymy; distribution.
- Araujo, 1970d: 552 Synhamitermes brevicorniger; biology; distribution.
- Araujo, 1977c: 66 Synhamitermes brevicorniger; catalog. Argentina; Brazil.
- Mathot, 1978: 53 Synhamitermes brevicorniger; collection catalog; types listed.
- Chhotani, 1987: 416 Nasutitermes brevicorniger; generic position questioned.
- Raineri et al., 1993: 527 Amitermes brevicorniger; collection catalog; types listed.
- Torales et al., 1997: 48 Synhamitermes brevicorniger; distribution. Argentina.
- Constantino, 1998b: 208 Synhamitermes brevicorniger; catalog. Argentina, Brazil.
- Constantino, 1999a: fig. 121 Synhamitermes brevicorniger; soldier figured.
- Constantino, 2002a: figs. 151–152 Onkotermes brevicorniger; soldier figured.
- Constantino et al., 2002: 456–459, figs. 1–12, 16–21 *Onkotermes brevicorniger*; soldier, worker described and figured; distribution; new combination. Argentina.
- Cuezzo, 2005: 106-108 Onkotermes brevicorniger; checklist; distribution. Argentina.
- Torales et al., 2005b: 259–280 Onkotermes brevicorniger; checklist; diversity; distribution. Argentina.
- Torales et al., 2005a: 875 *Onkotermes brevicorniger*; distribution. Argentina: Catamarca, Chubut, Córdoba, Formosa, La Pampa, Neuquen, Rio Negro, San Luis, Tucumán.
- Torales and Fontes, 2008: 478, 479, figs. 15–17 Onkotermes brevicorniger; soldier figured; distribution. Argentina.
- Torales et al., 2008: 41, 42 Onkotermes brevicorniger; distribution. Argentina: Santiago del Estero.
- TISTRIBUTION: Neotropical Region—Argentina: Catamarca, Chubut, Córdoba, Formosa, La Pampa, Neuquen, Rio Negro, San Luis, Santiago del Estero, Tucumán; Brazil: Mato Grosso; Chile.

## Onkotermes corochus Torales and Fontes, 2008

Onkotermes corochus Torales and Fontes, 2008: 471-478 (soldier, worker), figs. 1-14, 18-27.

Type data: Holotype: L. R. Fontes Collection, Brazil (pers. coll.) 3984 soldier. Paratypes: L. R. Fontes Collection, Brazil (pers. coll.) workers, FACENAC workers, FACENAC soldier [not type locality]. Type locality: Argentina: Province of Chaco: Lapachito.

§ DISTRIBUTION: Neotropical Region—Argentina: Chaco.

# Oriencapritermes Ahmad and Akhtar, 1981

*Oriencapritermes* Ahmad and Akhtar, 1981: 10–12.

Type species: Oriencapritermes kluangensis Ahmad and Akhtar, 1981 by original designation.

- Chhotani, 1987: 411, 416 Oriencapritermes; Oriental Region distribution and zoogeography.
- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

## Oriencapritermes kluangensis Ahmad and Akhtar, 1981

Oriencapritermes kluangensis Ahmad and Akhtar, 1981: 12-13 (soldier, worker), fig. 6.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers. Type locality: Malaysia: Sarawak: Kluang Forest [02°01'N, 103°28'E].

- Ahmad and Akhtar, 2002: 66 Oriencapritermes kluangensis; catalog. Malaysia: Sarawak.
- Jones and Prasetyo, 2002: 121, table 1 *Oriencapritermes kluangensis*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 120 *Oriencapritermes kluangensis*; checklist; distribution. Malaysia: Mainland; Indonesia: Kalimantan.
- Gathorne-Hardy et al., 2006: 607, table 1 *Oriencapritermes kluangensis*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Malaysia: Sarawak.

### **Orientotermes** Ahmad, 1976

Orientotermes Ahmad, 1976: 111-112.

Type species: Orientotermes emersoni Ahmad, 1976 by original designation.

- Chhotani, 1987: 408, 416 Orientotermes; Oriental Region distribution and zoogeography.
- ▲ 1 species.
- **②** DISTRIBUTION: Oriental Region.

### Orientotermes emersoni Ahmad, 1976

Orientotermes emersoni Ahmad, 1976: 112–118 (imago, worker), figs. 5–7, 8b, c, 9c, d, 11.

Type data: Holotype: ZUPL imago. Paratypes: ZUPL queen, imagoes, workers, ZUPL queen, workers [not type locality], ZUPL imagoes, workers [not type locality].

Type locality: Malaysia: Sarawak: Sabal Tapang [01°10′N, 111°00′E].

- Ahmad and Akhtar, 2002: 53 Orientotermes emersoni; catalog. Malaysia: Sarawak.
- Gathorne-Hardy, 2004: 119 *Orientotermes emersoni*; checklist; distribution. Brunei; Malaysia: Sarawak.
- ♠ DISTRIBUTION: Oriental Region—Brunei; Malaysia: Sarawak.

# Orthognathotermes Holmgren, 1910

*Orthognathotermes* Holmgren, 1910b: 286 [genus-group name available by indication of available type species].

Type species: Mirotermes macrocephalus Holmgren, 1906 by original designation.

- Holmgren, 1911a: 12 Orthognathotermes [incorrectly cited as new genus]; type species Mirotermes macrocephalus.
- Holmgren, 1912a: 97, 98, 118–120 *Orthognathotermes*; characters; key; species included; systematic position.
- Emerson, 1925: 451 Orthognathotermes; distribution; discussion.
- Snyder, 1926e: 70 Orthognathotermes; characters.
- Emerson, 1928b: 409 Orthognathotermes; distribution.
- Hare, 1937: 478, pl. 5 Orthognathotermes; phylogeny; Holmgren's phylogeny compared.
- Snyder, 1949a: 176 Orthognathotermes; catalog; reference list.
- Emerson, 1955: 512 Orthognathotermes; number of species; distribution.
- Weidner, 1955f: 73 Orthognathotermes; number of species; distribution.
- Araujo, 1970d: 535 Orthognathotermes; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 37 Orthognathotermes; key.
- Araujo, 1977c: 64 Orthognathotermes; catalog.
- Mathews, 1977: 124–125 Orthognathotermes; synonymy; characters.
- Bandeira, 1979b: 490 Orthognathotermes; ecology. Brazil: Amazonia State.
- Roonwal and Verma, 1980b: 468 Orthognathotermes; wing microsculpturing.
- Mill, 1982a: 255 Orthognathotermes; habitat; nest location; food; locality. Brazil.
- Mill, 1983a: 182, 185 Orthognathotermes; key; number of species in New World; habitat; distribution.
- Roonwal, 1983b: 365 Orthognathotermes; wing microsculpturing.
- Nickle and Collins, 1992: 225, 227, 231 Orthognathotermes; key; characters.
- Constantino, 1998b: 206 Orthognathotermes; catalog.
- Fontes and Monteiro, 1998: 26 Orthognathotermes; etymology and pronunciation.
- Constantino, 1999a: 407, 419 Orthognathotermes; key; biology; distribution.
- Constantino, 2002a: 24 Orthognathotermes; key.
- Da Rocha and Cancello, 2009: 2–5 *Orthognathotermes*; description; synonymy; species included; biology.

#### ▲ 15 species.

§ DISTRIBUTION: Neotropical Region.

## Orthognathotermes aduncus Emerson, 1949

Orthognathotermes aduncus Emerson, 1949k: 176 (imago, soldier) [Emerson, 1949k gave this new species name to specimens misidentified as Orthognathotermes macrocepalus (Holmgren). He did not provide any formal description but only referred to his 1925 description of the misidentified imago and soldier from Guyana (British Guiana)].

Type Data: Syntypes: AMNH king, imagoes, soldiers, workers, nymphs [Emerson, 1949k cited only "Type: A.M.N.H." without mention of any specific specimen or caste as the holotype; Constantino, 1998b incorrectly cited these specimens as "holotype"], MCZ No. 1046?, FRI imagoes, soldiers, workers.

Type Locality: Guyana (British Guiana): Kartabo.

 Emerson, 1925: 310, 312, 451, fig. 93 • Orthognathotermes macrocephalus [misidentification]; new species name aduncus given by Emerson, 1949k; imago, soldier described and figured. Guyana only.

- Snyder, 1949a: 176 Orthognathotermes aduncus; catalog; reference list. Bolivia.
- Mathur and Thapa, 1962a: 15 Orthognathotermes aduncus; collection catalog. Guyana.
- Araujo, 1977b: 76 Orthognathotermes aduncus; imago, soldier characters.
- Araujo, 1977c: 65 Orthognathotermes aduncus; catalog. Guyana.
- Mathews, 1977: 125–126, figs. 64, 73, 74, pl. 26 Orthognathotermes aduncus; imago, soldier described and figured. Brazil.
- Roonwal and Verma, 1980b: 461–462, figs. 2L-N Orthognathotermes aduncus; wings described; wing microsculpturing.
- Constantino and Cancello, 1993: 405 Orthognathotermes aduncus; distribution. Brazil:
   Amazonia.
- Constantino, 1998b: 206 Orthognathotermes aduncus; catalog. Guyana.
- Fontes, 1998: 368 Orthognathotermes aduncus; catalog; distribution. Brazil; Guyana.
- Da Rocha and Cancello, 2009: 5–6, figs. 2, 16, 30, 34, 35 *Orthognathotermes aduncus*; imago, soldier described and figured; distribution. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil; Guyana.

# Orthognathotermes araujoi Mathur and Thapa, 1962 [nomen nudum]

*Orthognathotermes araujoi* Mathur and Thapa, 1962a: 115 [nomen nudum; Emerson MS name introduced by Mathur and Thapa, 1962 and incorrectly credited to Emerson].

(\$) DISTRIBUTION: Neotropical Region—Brazil: São Paulo.

## Orthognathotermes brevipilosus Snyder, 1926

*Orthognathotermes brevipilosus* Snyder, 1926e: 70–71 (soldier).

Type data: Holotype: USNM No. 27674 soldier. Paratypes: USNM soldiers, workers, AMNH soldiers, workers, FRI soldier, worker.

Type locality: Bolivia: Rosario.

- Snyder, 1949a: 176 Orthognathotermes brevipilosus; catalog; reference list. Bolivia.
- Mathur and Thapa, 1962a: 115 Orthognathotermes brevipilosus; collection catalog. Bolivia.
- Araujo, 1977b: 76 Orthognathotermes brevipilosus; soldier characters.
- Araujo, 1977c: 65 Orthognathotermes brevipilosus; catalog. Bolivia.
- Constantino, 1998b: 206 Orthognathotermes brevipilosus; catalog. Bolivia.
- Da Rocha and Cancello, 2009: 6–7, figs. 9, 29 *Orthognathotermes brevipilosus*; soldier described and figured; distribution. Bolivia.
- § DISTRIBUTION: Neotropical Region—Bolivia.

## Orthognathotermes gibberorum Mathews, 1977

Orthognathotermes gibberorum Mathews, 1977: 126 (soldier, worker), fig. 75.

TYPE DATA: Holotype: MZUSP soldier. Paratypes: BMNH soldiers, workers, AMNH soldiers, workers, MZUSP soldier, workers.

Type locality: Brazil: Mato Grosso: Serra do Ronchador [12°45′S, 51°46′W].

- Araujo, 1977b: 76 Orthognathotermes gibberorum; soldier characters.
- Araujo, 1977c: 65 Orthognathotermes gibberorum; catalog. Brazil.
- Coles de Negret and Redford, 1982: 81–101, figs. 1i, 5q, r Orthognathotermes gibberorum; soldier measurements and figure; nest figured; biology; ecology.

- Constantino, 1998b: 206 Orthognathotermes gibberorum; catalog. Brazil.
- Da Rocha and Cancello, 2009: 7, figs. 10, 32 *Orthognathotermes gibberorum*; soldier described and figured; distribution. Brazil.
- S DISTRIBUTION: Neotropical Region—Brazil.

### Orthognathotermes heberi Raw and Egler, 1985

Orthognathotermes heberi Raw and Egler, 1985: 333-335 (soldier), pl. 1.

Type data: Neotype MZUSP 9078 soldier. Paratypes: MZUSP soldiers [None of the "paratypes" mentioned by Raw and Egler, 1985 were ever deposited in other institutions: BMNH soldiers, DZUP soldiers, OUM soldiers, USNM soldiers, MCZ soldiers].

NEOTYPE DESIGNATION: Da Rocha and Cancello, 2009: 7, 8 [neotype selected from the MZUSP paratype series, as the holotype is lost; see comments].

Type Locality: Brazil: Parque Nacional da Emas.

- Constantino, 1998b: 206 Orthognathotermes heberi; catalog. Brazil.
- Da Rocha and Cancello, 2009: 7, figs. 8, 21, 29 *Orthognathotermes heberi*; imago, soldier described and figured; distribution. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil.

### Orthognathotermes humilis Constantino, 1991

Orthognathotermes humilis Constantino, 1991c: 200 (soldier, worker), figs. 28-30.

Type data: Holotype: MPEG No. 2825 soldier. Paratypes: MPEG No. 2825 soldiers, workers, MZUSP No. 9249 soldiers, workers.

Type locality: Brazil: Amazonia: Japurá River.

- Constantino, 1998b: 206 Orthognathotermes humilis; catalog. Brazil.
- Fontes, 1998: 369 Orthognathotermes humilis; catalog; distribution. Brazil.
- Constantino, 1999a: figs. 150, 151 Orthognathotermes humilis; soldier figured.
- Constantino, 2002a: figs. 182-183 Orthognathotermes humilis; soldier figured.
- Da Rocha and Cancello, 2009: 8, 9, figs. 1, 27, 30 Orthognathotermes humilis; soldier described and figured; distribution. Brazil.
- Tistribution: Neotropical Region—Brazil: Amazonia.

### Orthognathotermes insignis Araujo, 1977

*Orthognathotermes insignis* Araujo, 1977b: 75–78 (imago, soldier, worker), figs. 1–8.

Type data: Holotype: MZUSP No. 3271 imago [inferred; caste of holotype not clear, but is likely imago, as that is first caste listed from type locality]. Paratypes: MZUSP imagoes, soldiers, workers [several series from non-type localities]

Type locality: Brazil: São Paulo: Morumbi neighborhood [23°32′36″S, 46°37′59″W].

- Fontes, 1983: 143 Orthognathotermes insignis; additions and corrections to Araujo's catalog, 1977c.
- Constantino, 1998b: 206 Orthognathotermes insignis; catalog. Brazil.
- Da Rocha and Cancello, 2009: 9–10, figs. 7, 20, 24, 25–26, 28, 29, 36, 37 Orthognathotermes insignis; imago, soldier described and figured; worker gut and mandibles figured; distribution. Brazil.
- S DISTRIBUTION: Neotropical Region—Brazil.

### Orthognathotermes longilamina Da Rocha and Cancello, 2009

Orthgnathotermes longilamina Da Rocha and Cancello, 2009: 10 (soldier), figs. 14, 23, 32.

Type data: Holotype: MZUSP 9819 soldier. Paratypes: MZUSP soldiers [several non-type localities].

Type locality: Brazil: Espírito Santo: Linhares [18°42′54″S, 39°51′12″W].

S DISTRIBUTION: Neotropical Region—Brazil: Bahia, Espírito Santo, Minas Gerais, Paraíba, Pernambuco, Piaui, Rio de Janeiro, Tocantins.

### Orthognathotermes macrocephalus (Holmgren, 1906)

Mirotermes macrocephalus Holmgren, 1906: 562-563 (soldier, worker), figs. T, U.

Type data: Syntypes: NHRM soldiers, workers, AMNH soldier, worker.

Type locality: Bolivia: Mojos.

- Holmgren, 1912a: 119, figs. 84, 85 *Orthognathotermes macrocephalus*; listed; imago mandible, soldier figured; new combination. Bolivia.
- Snyder, 1926e: 71 Orthognathotermes macrocephalus; locality.
- Snyder, 1949a: 176 Orthognathotermes macrocephalus; catalog; reference list. Bolivia.
- Araujo, 1977b: 76 Orthognathotermes macrocephalus; soldier characters.
- Araujo, 1977c: 65 Orthognathotermes macrocephalus; catalog. Bolivia.
- Constantino, 1998b: 206 Orthognathotermes macrocephalus; catalog. Bolivia.
- Da Rocha and Cancello, 2009: 11, figs. 15, 32 Orthognathotermes macrocephalus; soldier described and figured; distribution. Bolivia.
- § DISTRIBUTION: Neotropical Region—Bolivia.

# Orthognathotermes mirim Da Rocha and Cancello, 2009

Orthognathotermes mirim Da Rocha and Cancello, 2009: 11-12 (imago, soldier), figs. 5, 19, 31.

TYPE DATA: Holotype: MZUSP 4056 soldier. Paratypes: MZUSP imagoes, soldiers [several non-type localities].

Type locality: Brazil: Minas Gerais: Belo Horizonte [20°54′36″S, 47°W].

DISTRIBUTION: Neotropical Region—Brazil: Distrito Federal (Brasília), Goiás, Minas Gerais, São Paulo.

#### Orthognathotermes okeyma Da Rocha and Cancello, 2009

Orthognathotermes okeyma Da Rocha and Cancello, 2009: 12-13 (imago, soldier), figs. 13, 22, 30.

TYPE DATA: Holotype: MZUSP 8430 soldier. Paratypes: MZUSP imagoes, soldiers [several non-type localities].

Type locality: Brazil: Goiás State: Parque Nacional das Emas [17°49′48″S, 52°30′W].

§ DISTRIBUTION: Neotropical Region—Brazil: Goiás, Mato Grosso do Sul.

### Orthognathotermes orthognathus (Silvestri, 1903)

Capritermes orthognathus Silvestri, 1903: 65–66 (soldier, worker, nymph).

Type data: Syntypes: IEA soldiers, workers (Paraguay: Tacurú Pucú), AMNH soldier, workers (Paraguay: Tacurú Pucú), IEA soldiers, workers (Brazil: Mato Grosso, Cuiaba), IEA soldiers, workers (Brazil: Leopoldo) Rio Grande do Sul).

TYPE LOCALITIES: Paraguay: Tacurú Pucú; Brazil: Mato Grosso, Cuiaba, Leopoldo (Rio Grande do Sul).

- Silvestri, 1901: 5 Capritermes paradoxus [misidentification]; locality. Paraguay.
- Silvestri, 1902a: 11 Capritermes orthognathus; nomen nudum; biology.
- Desneux, 1904b: 44 *Termes (Eutermes) orthognathus*; reference list; new combination. Brazil; Paraguay.
- Holmgren, 1912a: 119 *Orthognathotermes orthognathus*; listed; new combination. Brazil; Paraguay.
- Snyder, 1949a: 177 Orthognathotermes orthognathus; catalog; reference list. Brazil; Paraguay.
- Araujo, 1977b: 76 Orthognathotermes orthognathus; soldier characters.
- Araujo, 1977c: 65 Orthognathotermes orthognathus; catalog. Brazil; Paraguay.
- Constantino, 1998b: 206 Orthognathotermes orthognathus; catalog. Brazil; Paraguay.
- Da Rocha and Cancello, 2009: 13, figs. 12, 30 Orthognathotermes orthognathus; soldier described and figured; distribution. Paraguay.
- TISTRIBUTION: Neotropical Region—Brazil; Paraguay.

## Orthognathotermes pilosus Da Rocha and Cancello, 2009

Orthognathotermes pilosus Da Rocha and Cancello, 2009: 13-14 (soldier), figs. 6, 31.

Type data: Holotype: MZUSP 0323 soldier. Paratypes: MZUSP soldiers [several non-type localities].

Type locality: Brazil, Mato Grosso: Xavantina [14°39'S, 52°21'W].

(\$) DISTRIBUTION: Neotropical Region—Brazil: Mato Grosso.

### Orthognathotermes tubesauassu Da Rocha and Cancello, 2009

Orthognathotermes tubesauassu Da Rocha and Cancello, 2009: 14 (imago, soldier), figs. 4, 18, 30.

Type data: Holotype: MZUSP 10160 soldier. Paratypes: MZUSP imagoes, soldiers [several non-type localities].

Type locality: Brazil: Bahia: Andarai [17°49′48″ S, 52°30′W].

DISTRIBUTION: Neotropical Region—Brazil: Bahia, Minas Gerais, Paraíba, Rio de Janeiro.

### Orthognathotermes uncimandibularis Da Rocha and Cancello, 2009

Orthognathotermes uncimandibularis Da Rocha and Cancello, 2009: 14-15 (soldier), figs. 11, 32.

TYPE DATA: Holotype: MZUSP 8352 soldier. Paratypes: MZUSP soldiers [several non-type localities].

Type locality: Brazil, Amazonia: Manaus/Boa Vista Road: BR-174, km 31.

Tistribution: Neotropical Region—Brazil: Amazonia.

## Orthognathotermes wheeleri Snyder, 1923

Orthognathotermes wheeleri Snyder, 1923c: 129–130 (soldier), fig. 1.

Type data: Holotype: USNM No. 26258 soldier. Paratypes: USNM soldier, workers, AMNH soldier, worker.

Type locality: Panama: Barro Colorado Island.

- Snyder, 1924j: pl. 3: fig. 5 Orthognathotermes wheeleri; soldier figured.
- Snyder, 1925j: 193 Orthognathotermes wheeleri; listed. Panama.
- Hare, 1937: 469, pl. 12: fig. 47 Orthognathotermes wheeleri; imago/worker, soldier mandibles measurements and figures.
- Snyder, 1949a: 177 Orthognathotermes wheeleri; catalog; reference list. Panama.
- Ahmad, 1950: 84, fig. 16 Orthognathotermes wheeleri; imago mandibles figured.
- Mathur and Thapa, 1962a: 115 Orthognathotermes wheeleri; collection catalog. Panama.
- Gisler, 1967: 85 Orthognathotermes wheeleri; protozoa. Panama.
- Morimoto, 1975b: 35, fig. 124 Orthognathotermes wheeleri; soldier figured.
- Araujo, 1977b: 76 Orthognathotermes wheeleri; soldier characters.
- Araujo, 1977c: 65 Orthognathotermes wheeleri; catalog. Panama.
- Roonwal and Verma, 1980b: 462 *Orthognathotermes wheeleri*; wings described; wing microsculpturing.
- Thorne, 1985a: 111–113 Orthognathotermes wheeleri; ecology. Panama.
- Nickle and Collins, 1992: 209, 231, figs. 13.68, 13.69 Orthognathotermes wheeleri; soldier figured; distribution. Panama.
- Constantino, 1998b: 206 Orthognathotermes wheeleri; catalog. Panama.
- Fontes, 1998: 369 Orthognathotermes wheeleri; catalog.
- Roisin et al., 2006: 301–311 Orthognathotermes wheeleri; ecology; canopy forest; species richness; vertical distribution. Panama.
- Da Rocha and Cancello, 2009: 15, figs. 3, 17, 30 *Orthognathotermes wheeleri*; imago, soldier described and figured; distribution. Panama.
- S DISTRIBUTION: Neotropical Region—Panama.

# Paracapritermes Hill, 1942

Paracapritermes Hill, 1942: 416 [first introduced as a subgenus of Mirotermes Wasmann, 1897].

Type species: Mirotermes (Paracapritermes) primus Hill, 1942: by original designation.

- Snyder, 1949a: 190 Paracapritermes; catalog; reference list.
- Emerson, 1955: 512 Paracapritermes; number of species; distribution.
- Weidner, 1955f: 73 Paracapritermes; number of species; distribution.
- Gay, 1956: 219 Paracapritermes; synonymy; characters.
- Calaby and Gay, 1959: 212 Paracapritermes; zoogeography; number of species.
- Krishna, 1968: 270, 271–274 Paracapritermes; synonymy; key; characters; phylogeny; species included; distribution.
- Gay, 1971a: 28 Paracapritermes; remarks; species included.
- Morimoto, 1975b: 31 Paracapritermes; key.
- Miller, 1991: 1264, 1278 Paracapritermes; key; synonymy; gut described.
- Watson and Abbey, 1993b: 5 Paracapritermes; remarks; Australian species.
- ▲ 4 species.
- ♠ DISTRIBUTION: Australian Region.

### Paracapritermes kraepelinii (Silvestri, 1909)

Mirotermes kraepelinii Silvestri, 1909b: 298 (soldier, worker), pl. 19: figs. 133-142.

Type data: Lectotype: ZMH soldier. Paralectotypes: ZMH workers.

LECTOTYPE DESIGNATION: Weidner, 1966a: 222 [inadvertent selection by inference of "holotype" (ICZN, 1999, art. 74.6); Gay, 1971 incorrectly credited with lectotype designation by Watson et al., 1998: 240].

Type Locality: Australia: Western Australia: Mundaring.

- Holmgren, 1912a: 109 Mirotermes (Mirotermes) Kraepelini [sic]; listed. Australia.
- Mjöberg, 1920: 91 Mirotermes kraepelini [sic]; key.
- Hill, 1927a: 93–95, pl. 3: figs. 105–110, pl. 6: fig. 202, pl. 9: fig. 203 *Mirotermes kraepelini* [sic]; imago (previously unknown), soldier described and figured; locality. Australia.
- Hill, 1935: 18 Mirotermes kraepelini [sic]; listed.
- Hill, 1942: 391–393, figs. 300–302 *Mirotermes (Mirotermes) kraepelini* [sic]; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 182 Termes kraepelinii; catalog; reference list. Australia.
- Ratcliffe et al., 1952: 117 Mirotermes kraepelini [sic]; characters; biology; distribution.
- Roonwal and Pant, 1953: 60 Termes kraepelinii; collection catalog. Australia.
- Weidner, 1955e: 250 Termes kraepelinii; types listed.
- Noirot, 1956: 151 Termes kraepelinii; supplementary reproductives.
- Mathur and Thapa, 1962a: 121 Termes kraepelini [sic]; collection catalog. Australia.
- Weidner, 1966a: 222 Mirotermes kraepelinii; also as Termes kraepelini [sic]; types listed.
- Krishna, 1968: 271, 272, 274 Paracapritermes kraepelinii; listed; new combination.
- Gay and Calaby, 1970: 434 Paracapritermes kraepelinii; biology; distribution. Australia.
- Gay, 1971a: 28–34, 35, figs. 8, 9A, 10A *Paracapritermes kraepelinii*; synonymy; key; imago, soldier described; soldier, imago mandibles figured; biology; distribution. Australia [incorrectly cited as new combination; see Krishna, 1968].
- Roonwal and Verma, 1980b: 463 Termes kraepelinii; wing microsculpturing.
- Perry et al., 1985: 68, 76, fig. 5B *Paracapritermes kraepelinii*; key; characters; soldier figured; biology.
- Thorne, 1985b: 328, table 1 *Termes kraepelinii*; polygyny.
- Abensperg-Traun and de Boer, 1990: 226 *Paracapritermes kraepelini* [sic]; checklist; ecology; habitat; distribution. Australia.
- Miller, 1991: 1227, 1261, 1264, 1265, figs. 198–201, 320–322, 375, 395 *Paracapritermes kraepelinii*; imago, soldier figured. Australia.
- Abensperg-Traun, 1993: 37 Paracapritermes kraepelinii; foraging; defense.
- Watson and Abbey, 1993b: 136, fig. 233 Paracapritermes kraepelinii; distribution map.
- Watson et al., 1998: 240 Paracapritermes kraepelinii; catalog; synonymy; distribution; ecology. Australia.

Paracapritermes hesperus Gay, 1956: 210-211 (imago, soldier), figs. 1C, E.

Type data: Holotype: ANIC No. 9168 soldier. Paratypes: ANIC No. 10 6261 queen, soldiers, workers, AMNH soldiers, workers [not type locality].

Type Locality: Australia: Western Australia: 3.2 km S Yornup.

- Krishna, 1968: 274 Paracapritermes hesperus; synonymized with kraepelinii.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

### Paracapritermes primus (Hill, 1942)

Mirotermes (Paracapritermes) primus Hill, 1942: 417–418 (imago, soldier), figs. 325–327.

Type data: Holotype: ANIC No. 9127 soldier. Paratypes: ANIC No. 10 2673 imago ♂, neotenic ♀, soldiers, workers, AMNH imagoes ♀, soldiers, workers, FRI imago, soldier, workers, nymphs. Type locality: Australia: Queensland: Mt. Molloy.

- Snyder, 1949a: 190 Paracapritermes primus; catalog; reference list; new combination.
   Australia.
- Ahmad, 1950: 84, fig. 17 Paracapritermes primus; worker mandibles figured.
- Noirot, 1956: 151 Paracapritermes primus; supplementary reproductives.
- Mathur and Thapa, 1962a: 116 Paracapritermes primus; collection catalog. Australia.
- Krishna, 1968: 271, 272, 274, figs. 2, 3, 4 *Paracapritermes primus*; listed; worker mandibles, imago, soldier figured.
- Gay and Calaby, 1970: 434 Paracapritermes primus; biology; distribution. Australia.
- Gay, 1971a: 9, 28, 34 Paracapritermes primus; listed; comparisons; distribution.
- Thorne, 1985b: 328, table 1 Paracapritermes primus; polygyny.
- Miller, 1991: 1229, 1266, 1269, figs. 202–205, 376, 395 *Paracapritermes primus*; soldier described and figured. Australia.
- Watson and Gay, 1991: fig. 20.15L Paracapritermes primus; soldier figured.
- Watson and Abbey, 1993b: 136, fig. 234 Paracapritermes primus; distribution map.
- Watson et al., 1998: 240–241 Paracapritermes primus; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

#### **Paracapritermes prolixus** Miller, 1991

Paracapritermes prolixus Miller, 1991: 1266-1270 (soldier), figs. 206-209, 377, 395.

Type data: Holotype: ANIC No. 9159 soldier. Paratypes: ANIC No. 10 17197 soldiers, workers, AMNH soldiers, workers.

Type locality: Australia: Queensland: 29 km NW Cape Bedford.

- Watson and Abbey, 1993b: 137, fig. 235 Paracapritermes prolixus; distribution map.
- Watson et al., 1998: 241 *Paracapritermes prolixus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

#### Paracapritermes secundus Miller, 1991

**Paracapritermes secundus** Miller, 1991: 1270–1276 (imago, soldier), figs. 210–213, 324–326, 378, 395.

Type data: Holotype: ANIC No. 9160 soldier. Paratypes: ANIC No. 10 18467 imagoes, soldiers, workers, nymphs, ANIC imagoes, soldiers, workers, nymphs [three series from non-type localities], AMNH imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, nymphs.

Type locality: Australia: Queensland, 24 km W by N of Cape Tribulation.

- Watson and Abbey, 1993b: 137, fig. 236 Paracapritermes secundus; distribution map.
- Watson et al., 1998: 241 *Paracapritermes secundus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

# Pericapritermes Silvestri, 1914

#### Pericapritermes Silvestri, 1914a: 134-135.

Type species: Pericapritermes urgens Silvestri, 1914 by original designation.

- Sjöstedt, 1926d: 282 *Pericapritermes*; reference list; key.
- Emerson, 1928b: 409, 420, 543 Capritermes (Pericapritermes); key; discussion; distribution.
- Hill, 1942: 14, 418-420 Capritermes [part]; key; synonymy; imago, soldier, worker diagnosed.
- Tembrock, 1944: fig. 37, 38 Pericapritermes; map; species distribution.
- Snyder, 1949a: 198 Pericapritermes; catalog; reference list.
- Emerson, 1955: 512 Pericapritermes; number of species; distribution.
- Weidner, 1955f: 73 Pericapritermes; number of species; distribution.
- Noirot and Kovoor, 1958: 450, 451, 452, 454, 461, 468 Pericapritermes; digestive tube anatomy.
- Webb, 1961: 11 Pericapritermes; key.
- Ahmad, 1965: 8, 9 Pericapritermes; key.
- Bouillon and Mathot, 1965: 23, 82, 83, pl. 9: fig. 19b *Pericapritermes*; key; characters; imago/worker mandibles figured.
- Krishna, 1968: 290–294 Pericapritermes; synonymy; key; characters; phylogeny; species included; distribution.
- Bess, 1970: 469 Pericapritermes; number of species; distribution. Oceanic Islands.
- Bouillon and Mathot, 1971: table Pericapritermes; number of species in Ethiopian Region; soldier measurements.
- Chaudhry et al., 1972: 64 Pericapritermes; characters.
- Chhotani and Bose, 1973: 235 Pericapritermes; distribution. Indian region.
- Sen-Sarma, 1974: 458–459 Pericapritermes; ecology and biogeography.
- Akhtar, 1975: 59, 60 Pericapritermes; key.
- Morimoto, 1975b: 32 Pericapritermes; key.
- Sen-Sarma et al., 1975: 4, 9 Pericapritermes; distribution and ecology; key. India.
- Morimoto, 1976b: 34 Pericapritermes; remarks.
- Roonwal and Chhotani, 1977: 42, 43 Pericapritermes; key.
- Abe, 1979: 128, 132 *Pericapritermes*; ecology.
- Chhotani and Bose, 1979b: 21 Pericapritermes; nesting behavior and nests. India.
- Prestwich, 1979b: 468 Pericapritermes; defense; frontal gland.
- Sen-Sarma and Thakur, 1979: 5 Pericapritermes; key.
- Lahiri and Ghosh, 1980: 65 Pericapritermes; key.
- Roonwal and Verma, 1980b: 468 Pericapritermes; wing microsculpturing.
- Ahmad and Akhtar, 1981: 2, 3, fig. 11 Pericapritermes; key; enteric valve cushions figured.
- Maiti, 1983: 18, 24 Pericapritermes; key.
- Roonwal, 1983b: 365 Pericapritermes; wing microsculpturing.
- Abe, 1984: 71 Pericapritermes; distribution.
- Bose, 1984: 101, 103, 151 Pericapritermes; key; synonymy.
- Collins, 1984: 79 Pericapritermes; key.
- Chhotani, 1986: 23-24 Pericapritermes; Oriental Region distribution and zoogeography.
- Abe, 1987: 127 Pericapritermes; ecology; nest distribution.
- Chhotani, 1987: 411, 416-417 Pericapritermes; Oriental Region distribution and zoogeography.
- Huang et al., 1989: 391, 507 Pericapritermes; key; characters; distribution.
- Thakur, 1989b: 353 Pericapritermes; ecology.
- Miller, 1991: 1277, 1278 Pericapritermes; key; synonymy; first record from Australia: un-named species similar to P. schultzi from Papua New Guinea.
- Maiti and Saha, 1993: 518, 519 Pericapritermes; key.
- Maiti and Chakraborty, 1994: 11 Pericapritermes; key.
- Maiti et al., 1995: 440 Pericapritermes; key.
- Gao et al., 1996: 89, 106 Pericapritermes; key; distribution.

- Chhotani, 1997: 318–322 Pericapritermes; synonymy; characters; distribution and composition; key to species.
- Sands, 1998: 34, 261–263, figs. 1246–1270, pl. 16: figs. 7, 8 *Pericapritermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- Bose, 1999: 26-27 Pericapritermes; key.
- Huang and Li, 1999: 307, 312 Pericapritermes; key; characters.
- Takematsu, 1999c: 40 Pericapritermes; key based on gut characters.
- Huang et al., 2000: 547, 738–740 Pericapritermes; key; characters; reference list; discussion; distribution.
- Maiti et al., 2000: 298 Pericapritermes; key.
- Uys, 2002: 68, 88–89, fig. 214 Pericapritermes; key; species included; diagnosis; biology; distribution. South Africa.
- Maiti et al., 2003: 240 Pericapritermes; key.
- Maiti et al., 2004: 155 Pericapritermes; key.
- Sornnuwat et al., 2004: 357, 359 Pericapritermes; key, number of species. Thailand.
- Bourguignon et al., 2008: 17-18, 26 Pericapritermes; characters; key.

#### ▲ 40 species.

Tistribution: Ethiopian Region; Oriental Region; Palearctic Region; Papuan Region.

### Pericapritermes appellans Silvestri, 1914

Pericapritermes appellans Silvestri, 1914a: 139-141 (queen, soldier, worker), fig. 83.

Type data: Syntypes: IEA queen, soldier, worker, AMNH soldiers, workers, NCIP soldier [incorrectly cited as paratype by Ruelle, 1975b].

Type locality: Guinea (French Guinea): Mamou.

- Hegh, 1922: 495, 501, 702, fig. 354J Pericapritermes appellans; biology; reference list; distribution.
- Sjöstedt, 1926d: 283, 286 Pericapritermes appellans; reference list; key; biology; locality. Guinea.
- Snyder, 1949a: 198 Pericapritermes appellans; catalog; reference list. Guinea.
- Grassé, 1949: fig. 190 Pericapritermes appellans; soldier figured.
- Krishna, 1968: 294 Pericapritermes appellans; listed.
- Bouillon and Mathot, 1971: table: no. 295 Pericapritermes appellans; measurements.
- Ruelle, 1975b: 10 Pericapritermes appellans; types listed.
- Johnson et al., 1980: 59 Pericapritermes appellans; checklist; biology; distribution. Nigeria.
- Sangare and Bodot, 1980: 131–141 Pericapritermes appellans; checklist; biology; distribution. Ivory Coast.
- Sands, 1998: 263 Pericapritermes appelans [sic]; distribution. Ghana; Nigeria; Sierra Leone.
- (†) DISTRIBUTION: Ethiopian Region—Ghana; Guinea; Ivory Coast (Côte d'Ivoire); Nigeria; Sierra Leone.

# Pericapritermes assamensis (Mathur and Thapa, 1965)

Capritermes assamensis Mathur and Thapa, 1965: 10-12 (soldier, worker), fig. 1.

TYPE DATA: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, AMNH soldier, workers. Type locality: India: Assam: Goalpara Division: Central Range, Polo Block.

- Krishna, 1968: 293 Pericapritermes assamensis; listed; new combination.
- Sen-Sarma, 1974: 459 Pericapritermes assamensis; ecology and biogeography. India.
- Chhotani, 1977a: 33 Pericapritermes assamensis; distribution. India.

- Maiti, 1983: 18, 24, 84–86, fig. 25 *Pericapritermes ceylonicus* [misidentification fide Chhotani 1997: 332]; key; synonymy; imago, soldier described; soldier figured; biology; distribution. India [Sri Lanka specimens not *assamensis*].
- Verma, 1983: 298, 300 Pericapritermes assamensis; key; distribution. India.
- Verma, 1985a: 178-179 Pericapritermes assamensis; soldier measurements; distribution. India.
- Maiti and Saha, 1993: 513 *Pericapritermes ceylonicus* [misidentification fide Chhotani 1997: 332]; listed; distribution. India.
- Verma, 1994: 333 Pericapritermes assamensis; damage; distribution. India: Kerala doubtful.
- Verma, 1995b: 45 Pericapritermes assamensis; damage; distribution. India: Kerala doubtful.
- Chhotani, 1997: 322–324, fig. 158 Pericapritermes assamensis; soldier, worker described and figured; synonymy; key. India.
- Bose, 1999: 32 Pericapritermes assamensis; key.
- Ahmad and Akhtar, 2002: 62 Pericapritermes assamensis; catalog. India.
- Maiti et al., 2003: 243 Pericapritermes assamensis; key; synonymy; soldier measurements; distribution. India.
- Maiti et al., 2004: 156 Pericapritermes assamensis; key; synonymy; soldier measurements; distribution. India.
- © DISTRIBUTION: Oriental Region—India: Assam, Manipur, Sikkim, West Bengal.

### Pericapritermes beibengensis Huang and Han, 1987

**Pericapritermes beibengensis** Huang and Han, 1987: 47–49, 51 (soldier, worker) [this species also described and designated as sp. nov. a second time by the same authors (Huang and Han 1988b)].

Type data: Holotype: NAP soldier. Paratypes: NAP soldiers, workers.

TYPE LOCALITY: China: Xizang (Tibet): Medo County.

- Huang and Han, 1988a: 44–45 Pericapritermes beibengensis; soldier described. China: Xizang (Tibet).
- Huang and Han, 1988b: 69-70, 75, fig. 6 Pericapritermes beibengensis; soldier and worker described and figured as sp. nov., even though this species was described earlier by Huang and Han, 1987. China: Xizang (Tibet).
- Huang et al., 1989: 508–509, fig. 379 *Pericapritermes beibengensis*; soldier, worker described and figured; key. China: Xizang (Tibet).
- Gao et al., 1992a: 46 Pericapritermes beibengensis; checklist; distribution. China: Xizang.
- Hua, 2000: 28 Pericapritermes beibengensis; listed. China: Xizang.
- Huang et al., 2000: 741–743, fig. 448 *Pericapritermes beibengensis*; soldier, worker described and figured; key. China.
- Ahmad and Akhtar, 2002: 62 Pericapritermes beitengensis [sic]; catalog. China.
- © DISTRIBUTION: Palaearctic Region—China: Xizang (Tibet).

# Pericapritermes brachygnathus (John, 1925)

Capritermes brachygnathus John, 1925: 416–417 (soldier, worker).

Type data: Syntypes: BMNH soldiers, workers (Indonesia: Sumatra, Siak), AMNH soldiers, workers (Indonesia: Sumatra, Siak), ZIL soldiers, workers (Indonesia: Sumatra, Siak), (whereabouts unknown): soldiers, workers (Malaysia: Johore, Segamat).

Type localities: Indonesia: Sumatra, Siak; Malaysia: Johore, Segamat.

- Snyder, 1949a: 192 Capritermes brachygnathus; catalog; reference list. Malaya; Sumatra.
- Krishna, 1968: 294 Pericapritermes brachygnathus; listed; new combination.

- Tho, 1992: 117, 200, 207 Pericapritermes brachygnathus; listed.
- Ahmad and Akhtar, 2002: 62 *Pericapritermes brachygnathus*; catalog. Indonesia: Sumatra; Malaysia: Mainland [incorrect date of new combination].
- Gathorne-Hardy, 2004: 121 Pericapritermes brachygnathus; checklist; distribution. Malaysia: Mainland.
- © DISTRIBUTION: Oriental Region—Indonesia: Sumatra; Malaysia: Mainland.

### Pericapritermes buitenzorgi (Holmgren, 1914)

Capritermes (Capritermes) buitenzorgi Holmgren, 1914: 280 (soldier, worker), pl. 7: fig. 26.

Type data: Syntypes: AMNH soldier, workers (Indonesia: Java: Tjibodas), AMNH soldier, workers (Indonesia: Sumatra: Tandjong Slamat).

Type locality: Indonesia: Java, Tjibodas; Sumatra: Tandjong Slamat.

- John, 1925: 416 Capritermes buitenzorgi; comparisons.
- Kemner, 1934b: 10, 167, 175, fig. 52 *Capritermes buitenzorgi*; reference list; imago (previously unknown), soldier, worker described; imago figured; key. Indonesia: Java.
- Snyder, 1949a: 192 Capritermes buitenzorgi; catalog; reference list; synonymy. Java; Malaya.
- Ahmad, 1958: 184, 189 Capritermes buitenzorgi; key.
- Mathur and Thapa, 1962a: 107 Capritermes buitenzorgi; collection catalog. Indonesia.
- Roonwal and Maiti, 1966: 72, 98, 138 Capritermes buitenzorgi; synonymy; soldier described; distribution. Indonesia: Java: Peutjang Island; Malaysia.
- Krishna, 1968: 294 Pericapritermes buitenzorgi; listed; new combination.
- Roonwal, 1970c: 355 Pericapritermes buitenzorgi; biology; distribution.
- Verma, 1983: 298, 299, 300 *Pericapritermes buitenzorgi*; key; distribution. Indonesia: Java; Malaysia.
- Prestwich, 1984a: table 1 Pericapritermes buitenzorgi; checklist; ecology; defense mode; chemicals; distribution.
- Tho, 1992: 207 Pericapritermes buitenzorgi; listed.
- Maiti and Chakraborty, 1994: 11, 75–76 Pericapritermes buitenzorgi [probably misidentification]; key; synonymy; soldier measurements; distribution. Indonesia: Java; Malaysia: Mainland [India: Andaman Islands doubtful].
- Ahmad and Akhtar, 2002: 62 *Pericapritermes buitenzorgi*; catalog. Indonesia: Java; Malaysia: Mainland [incorrect date of new combination].
- Gathorne-Hardy, 2004: 121 *Pericapritermes buitenzorgi*; checklist; distribution. Malaysia: Mainland; Indonesia: Java.

Capritermes (Capritermes) approximatus Holmgren, 1914: 283 (imago).

Type data: Syntypes (whereabouts unknown): imagoes.

Type locality: Indonesia: Java: Buitenzorg.

- Snyder, 1949a: 192 Capritermes (Capritermes) approximatus; synonymized with buitenzorgi.
- © DISTRIBUTION: Oriental Region—Indonesia: Java, Sumatra; Malaysia: Mainland.

### Pericapritermes ceylonicus (Holmgren, 1911)

Capritermes ceylonicus Holmgren, 1911c: 204–205 (imago, soldier, worker), pl. 2: fig. q [Chhotani, 1997, cited perparvus Holmgren, 1911c: 201 as the valid name for this taxon, because it had page priority. However, ceylonicus might actually be considered to have page priority although it was not described until p. 204, as it was first cited on p. 186; perparvus was first cited on p. 187 and described on p. 201. None of this is relevant to the question of

priority, however, as Holmgren, 1913c: 244 acted as first revisor when placing *perparvus* into synonymy of *ceylonicus* (ICZN, 1999, art. 24.2.1), and *ceylonicus* is therefore the valid name for the species].

Type data: Syntypes: ZIHS imagoes, soldiers, workers, AMNH queen, soldiers, workers, USNM soldier, worker, ZMH soldiers, workers, FRI soldier, worker.

Type locality: Sri Lanka (Ceylon): Peradeniya.

- Wasmann, 1902d: 126, 127 Capritermes nemorosus [misidentification]; remarks; locality.
- Escherich, 1911: 53 Capritermes ceylonicus; listed.
- Holmgren, 1912a: 116 Capritermes (Capritermes) ceylonicus; listed. Sri Lanka.
- Holmgren, 1913c: 244, pl. 6: figs. 23, 29 *Capritermes ceylonicus*; imago, soldier, worker described; imago, soldier figured; key; remarks; distribution. Sri Lanka.
- Bugnion, 1913d: 170 Capritermes ceylonicus; antennal articles. Sri Lanka.
- Green, 1913: 13 Capritermes ceylonicus; biology; locality. Sri Lanka.
- Holmgren, 1914: 278 Capritermes (Capritermes) ceylonicus; locality. Sri Lanka.
- Margabandhu, 1934: 711 Capritermes ceylonicus; annotated reference list; biology.
- Snyder, 1949a: 193 Capritermes ceylonicus; catalog; reference list; synonymy; C. distinctus listed as valid. Sri Lanka.
- Lal and Menon, 1953: 46 Capritermes ceylonicus; catalog; systematic and biological reference list. Sri Lanka.
- Weidner, 1955e: 250 Capritermes ceylonicus; types listed.
- Ahmad, 1958: 185, 189 Capritermes ceylonicus; key.
- Mathur and Thapa, 1962a: 108 Capritermes ceylonicus; collection catalog. Sri Lanka.
- Weidner, 1966a: 217 Capritermes ceylonicus; types listed.
- Krishna, 1968: 294 Pericapritermes ceylonicus; listed; synonymy; new combination.
- Roonwal, 1970c: 355 Pericapritermes ceylonicus; biology; distribution.
- Sen-Sarma, 1974: 440, 459 Pericapritermes ceylonicus; ecology and biogeography. Sri Lanka.
- Verma, 1983: 298, 299, 300 Pericapritermes ceylonicus; key; distribution. Sri Lanka.
- Bose, 1984: 151–153, fig. 110 Pericapritermes ceylonicus; key; synonymy; measurements; soldier figured; distribution; biology; remarks. India; Sri Lanka.
- Ferry, 1992: 193 *Pericapritermes ceylonicus*; ecology; distribution. India: Karnataka [identification doubtful].
- Ahmad and Akhtar, 2002: 62 *Pericapritermes ceylonicus*; catalog. Sri Lanka [incorrect date of new combination].

Eutermes perparvus Holmgren, 1911c: 201 (imago).

Type data: Syntypes: NHMW imagoes (Sri Lanka [Ceylon]: Heneratgoda), NHMW imagoes (Sri Lanka [Ceylon]: Peradeniya), AMNH imago (Sri Lanka [Ceylon]: Heneratgoda).

Type localities: Sri Lanka (Ceylon): Heneratgoda, Peradeniya.

- Green, 1913: 15 Eutermes perparvus; biology; locality. Sri Lanka.
- Holmgren, 1913c: 244 Eutermes perparvus; synonymized with ceylonicus.
- Margabandhu, 1934: 713 Eutermes preparvus [sic]; annotated reference list; biology.
- Chhotani, 1997: 332–335, fig. 163 Pericapritermes perparvus; imago, soldier, worker described and figured; synonymy; key. Sri Lanka [precedence incorrectly given to perparvus over ceylonicus as the valid name].
- Ahmad and Akhtar, 2002: 63 Pericapritermes perparvus; catalog. Sri Lanka.
- Roy, 2005: 140 Pericapritermes perparvus; checklist; distribution. India.

*Capritermes distinctus* Holmgren, 1913c: 246 (soldier, worker only [imago = *Euhamitermes*]), pl. 6: figs. 24, 30.

 $\label{type} \textit{Type data: Syntypes: ZIHS imagoes, soldiers, workers, AMNH soldiers, workers.}$ 

Type locality: Sri Lanka (Ceylon).

- Bugnion, 1913d: 170 Capritermes distinctus; antennal articles. Sri Lanka.
- Margabandhu, 1934: 711 Capritermes distinctus; annotated reference list.
- Lal and Menon, 1953: 46 Capritermes distinctus; catalog; systematic and biological reference list. Sri Lanka.
- Ahmad, 1958: 184, 189 Capritermes distinctus; key [imago = Euhamitermes].
- Krishna, 1968: 294 Capritermes distinctus; synonymized with ceylonicus.
- Roonwal, 1970c: 355 Pericapritermes distinctus; biology; distribution.
- Ahmad and Akhtar, 2002: 62 Pericapritermes distinctus; catalog. [no locality cited].

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### Pericapritermes chiasognathus (Sjöstedt, 1904)

Eutermes chiasognathus Sjöstedt, 1904: 85–86 (soldier, worker), pl. 2: figs. F1, F2.

Type data: Syntypes: ZMB soldiers, workers, NHRM soldiers, workers, AMNH soldiers, workers. Type locality: Cameroon: Lolodorf [03°17′N, 10°50′E].

- Sjöstedt, 1904: 85 Eutermes chiasognathus; listed.
- Desneux, 1904b: 41 Termes (Eutermes) chiasognathus; reference list; new combination.
   Cameroon.
- Sjöstedt, 1907b: 246 Eutermes chiasognathus; locality. Congo-Zaire.
- Sjöstedt, 1911c: 165 Eutermes chiasognathus; nymph described; locality. Congo-Zaire.
- Holmgren, 1912a: 116 Capritermes (Capritermes) chiasognathus; = tortuosus Wasm.; listed; new combination. Cameroon.
- Hegh, 1922: 502, 533, 701 Capritermes chiasognathus; biology; reference list; distribution.
- Sjöstedt, 1926d: 283, pl. 2: fig. Fa *Pericapritermes chiasognathus*; soldier figured; reference list; key; biology; locality; new combination. Cameroon; Congo-Brazzaville; Congo-Zaire.
- Sjöstedt, 1926b: 154 Pericapritermes chiasognathus; locality. Congo-Zaire.
- Snyder, 1949a: 198 Pericapritermes chiasognathus; catalog; reference list; synonymy; P. cordatus listed as valid. Cameroon; Congo-Brazzaville; Congo-Zaire.
- Weidner, 1956b: 100, 101, fig. 44 *Pericapritermes chiasognathus*; synonymy; soldier described and figured; locality. Angola.
- Noirot and Kovoor, 1958: 470, pl. 2: fig. 11 *Pericapritermes chiasognathus*; digestive tube anatomy; enteric valve figured.
- Weidner, 1961: 69 Pericapritermes chiasognathus; listed.
- Mathur and Thapa, 1962a: 116 Pericapritermes chiasognathus; collection catalog. "Congo."
- Bouillon and Mathot, 1965: 46 Pericapritermes chiasognathus; catalog. Gabon.
- Harris, 1965: 12, 15, 16, 18 *Pericapritermes chiasognathus*; soldier measurements; ecology; locality. Congo-Zaire.
- Krishna, 1968: 294 Pericapritermes chiasognathus; listed; synonymy.
- Bouillon and Mathot, 1971: 11, table: no. 296 *Pericapritermes chiasognathus*; catalog; synonymy; measurements.
- Weidner, 1974: 58 Pericapritermes chiasognathus; listed. Angola.
- Johnson et al., 1980: 59 *Pericapritermes chiasognathus*; checklist; biology; distribution. Nigeria.
- Eggleton et al., 1996: 51–68 Pericapritermes chiasognathus; feeding; checklist; ecology.
   Cameroon.
- Eggleton and Bignell, 1997: 489–498 Pericapritermes chiasognathus; associations; ecology.
   Cameroon.
- Sands, 1998: 263 Pericapritermes chiasognathus; distribution. Congo-Zaire.
- Dibog et al., 1999: 125-132 Pericapritermes chiasognathus; checklist; ecology. Cameroon.
- Eggleton et al., 2002b: 1243, table 1 Pericapritermes chiasognathus; checklist; ecology; feeding and nesting groups; distribution. Congo-Brazzaville.

Capritermes tortuosus Wasmann, 1902d: 126 [nomen nudum].

— Van Boven, 1969a: 46 • Pericapritermes tortuosus; "type" listed.

Pericapritermes cordatus Sjöstedt, 1924d: 496 (soldier).

Type data: Syntypes: NHRM soldiers, AMNH soldier, workers.

Type locality: Congo-Zaire (Belgian Congo): Mukimbungu.

- Sjöstedt, 1926d: 284, pl. 11: figs. F1, F2 Pericapritermes cordatus; soldier described; reference list; key; locality. Congo-Zaire.
- Krishna, 1968: 294 Pericapritermes cordatus; synonymized with P. chiasognathus.
- Bouillon and Mathot, 1971: 11, table: no. 297 Pericapritermes cordatus; measurements.
- ♠ DISTRIBUTION: Ethiopian Region—Angola; Cameroon; Congo-Brazzaville; Congo-Zaire; Gabon; Nigeria.

### Pericapritermes desaegeri Harris, 1963

Pericapritermes desaegeri Harris, 1963c: 17 (soldier, worker), figs. 8–10.

TYPE DATA: Holotype: RGMC soldier. Paratypes: BMNH soldiers, workers, PNCR soldiers. Type locality: Congo-Zaire (Belgian Congo): Parc National Garamba [4°10′N, 29°40′E].

- Bouillon and Mathot, 1965: 46 Pericapritermes desaegeri; catalog. Congo-Zaire.
- Krishna, 1968: 294 Pericapritermes desaegeri; listed.
- Bouillon and Mathot, 1971: table: no. 298 Pericapritermes desaegeri; measurements.
- Tistribution: Ethiopian Region—Congo-Zaire.

### Pericapritermes dolichocephalus (John, 1925)

Capritermes dolichocephalus John, 1925: 416 (soldier, worker).

Type data: Syntypes: BMNH soldiers, workers (Malaysia: Selangor: Kajang), BMNH soldiers, workers (Indonesia: Sumatra: Kota Bahru), AMNH soldier, worker, nymph (Indonesia: Sumatra: Kota Bahru), AMNH soldier, worker (Malaysia: Selangor: Kajang).

Type localities: Malaysia: Selangor: Kajang; Indonesia: Sumatra: Kota Bahru.

- Snyder, 1949a: 193 Capritermes dolichocephalus; catalog; reference list. Malaya; Sumatra.
- Ahmad, 1958: ii Capritermes dolicocephalus [sic]; listed.
- Krishna, 1968: 294 Pericapritermes dolichocephalus; listed; new combination.
- Thapa, 1982: 205–207, pl. 70 *Pericapritermes dolichocephalus*; soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Verma, 1983: 298, 300 *Pericapritermes dolichocephalus*; key; distribution. Indonesia: Sumatra; Malaysia: Sabah.
- Collins, 1984: 68 Pericapritermes dolichocephalus; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 115, 200, 207, fig. 48B Pericapritermes dolichocephalus; soldier described and figured. Malaysia.
- Jones and Brendell, 1998: 79–91 *Pericapritermes dolichocephalus*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Jones et al., 1998: 101, table 1 Pericapritermes ?dolichocephalus; checklist; feeding; ecology.
   Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 *Pericapritermes dolichocephalus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.

- Homathevi and Bignell, 1999: 124, table 1 *Pericapritermes dolichocephalus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy et al., 2000a: 259 *Pericapritermes dolichocephalus*; checklist; ecology; biogeography; distribution. Indonesia: Sumatra.
- Jones, 2000: 271–286 *Pericapritermes ?dolichocephalus*; checklist; biology; ecology. Malaysia: Sabah.
- Ahmad and Akhtar, 2002: 62 *Pericapritermes dolichocephalus*; catalog. Indonesia: Sumatra; Malaysia: Mainland [incorrect date of new combination].
- Homathevi et al., 2002: 234, table 1 *Pericapritermes dolichocephalus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy, 2004: 121 *Pericapritermes dolichocephalus*; checklist; distribution. Malaysia: Mainland, Sarawak, Sabah; Indonesia: Kalimantan, Sumatra: Siberut Island.
- Gathorne-Hardy et al., 2006: 607, table 1 *Pericapritermes dolichocephalus*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

### Pericapritermes dumicola Harris, 1954

Pericapritermes dumicola Harris, 1954e: 132 (soldier, worker), fig. 3.

Type data: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers, nymphs, AMNH soldiers, workers, NCIP soldiers.

Type Locality: Tanzania: Tanga District: Mwakijembe.

- Kemp, 1955: 115, 118, 129 *Pericapritermes dumicola*; ecology; distribution based on vegetation zones. Tanzania.
- Harris, 1961a: fig. 23 Pericapritermes dumicola; soldier figured.
- Bouillon and Mathot, 1965: 46 Pericapritermes dumicola; catalog. Tanzania.
- Krishna, 1968: 294, fig. 21C Pericapritermes dumicola; listed; worker mandibles figured.
- Bouillon and Mathot, 1971: table: no. 299 Pericapritermes dumicola; measurements.
- Ruelle, 1975b: 10 Pericapritermes dumicola; types listed.
- Wanyonyi et al., 1984: 5 Pericapritermes dumicola; checklist; distribution. Tanzania.
- Sands, 1998: 263, 445, figs. 1246–1248 *Pericapritermes dumicola*; worker mandibles figured; distribution. Kenya; Tanzania.
- Tanzania.

### **Pericapritermes dunensis** (Roonwal and Sen-Sarma, 1960)

Capritermes dunensis Roonwal and Sen-Sarma, 1960: 28-33 (soldier, worker), fig. 9, pl. 4.

Type data: Holotype: FRI soldier. Paratypes: FRI soldier, workers, ZSI soldiers, workers, AMNH soldier

Type locality: India: Uttarakhand, Dehra Dun, ca. 610 m.

- Mathur and Sen-Sarma, 1960b: 23 Capritermes dunensis; nomen nudum; biology; distribution. India.
- Roonwal and Chhotani, 1962a: 295, 324, 395, fig. 13 Capritermes dunensis; soldier described and figured; key; distribution. India.
- Mathur and Thapa, 1962a: 108 Capritermes dunensis; collection catalog. India.
- Mathur and Sen-Sarma, 1962a: 17 Capritermes dunensis; locality.
- Mathur and Thapa, 1963b: 106 Capritermes dunensis; checklist; locality. India.

- Roonwal and Chhotani, 1965a: 22, 29 Capritermes dunensis; distribution. India.
- Krishna, 1968: 294 Pericapritermes dunensis; listed; new combination.
- Roonwal, 1970b: fig. 9f Capritermes dunensis; soldier mandibles figured.
- Sen-Sarma, 1974: 459 Pericapritermes dunensis; ecology and biogeography. India.
- Chhotani, 1977a: 33 Pericapritermes dunensis; distribution. India.
- Roonwal and Chhotani, 1977: 64–66, 67, 68, 81, figs. 11, 12A Pericapritermes dunensis; imago (previously unknown), soldier described and figured; key; distribution. Bhutan; India.
- Roonwal, 1978a: 103, 104 Pericapritermes dunensis; biology; distribution.
- Roonwal and Verma, 1980b: 467, figs. 4U-V Pericapritermes dunensis; wings described; wing microsculpturing.
- Maiti, 1983: 24, 86–87, fig. 26 *Pericapritermes dunensis*; key; synonymy; soldier described and figured; biology; distribution. India.
- Verma, 1983: 298, 299, 300 Pericapritermes dunensis; key; distribution. India.
- Chhotani and Bose, 1985: 58 Pericapritermes dunensis; distribution; synonymy. India.
- Roonwal and Chhotani, 1989: fig. 43f Pericapritermes dunensis; worker mandibles figured.
- Maiti and Saha, 1993: 513, 520 Pericapritermes dunensis; key; distribution. India.
- Maiti et al., 1995: 440 Pericapritermes dunensis; key; synonymy; soldier measurements; distribution. India.
- Verma, 1995a: 48 Pericapritermes dunensis; distribution. India: western Himalaya.
- Chhotani, 1997: 324–328, figs. 159–160 *Pericapritermes dunensis*; imago, soldier, worker described and figured; synonymy; key. Bhutan; India.
- Bose, 1999: 32, 65–68, fig. 22 *Pericapritermes dunensis*; key; synonymy; measurements; soldier figured; distribution. Bhutan; India.
- Ahmad and Akhtar, 2002: 62 *Pericapritermes dunensis*; catalog. India [incorrect date of new combination].
- © DISTRIBUTION: Oriental Region—Bhutan; India: Arunachal Pradesh, Meghalaya, Uttarakhand, Uttar Pradesh, West Bengal.

#### **Pericapritermes durga** (Roonwal and Chhotani, 1962)

*Capritermes latignathus durga* Roonwal and Chhotani, 1962a: 325–329 (soldier, worker), pls. 22, 23.

TYPE DATA: Holotype: ZSI No. 2559/H8 soldier. Paratypes: ZSI Nos. 2560/H8, 2561/H8, 2562/H8, 2563/H8 soldiers, workers, FRI soldier, worker, AMNH soldier, worker.

Type locality: India: Meghalaya: Cherrapunji, ca. 1330 m [25°17′N, 91°47′E].

- Roonwal and Chhotani, 1965a: 21, 22, 29 Capritermes latignathus durga; distribution. India.
- Krishna, 1968: 294 Pericapritermes latignathus durga; listed; new combination.
- Roonwal, 1970b: figs. 3b, 12b, 13b *Pericapritermes latignathus durga*; soldier head, postmentum and pronotum figured.
- Sen-Sarma, 1974: 459 *Pericapritermes latignathus durga*; ecology and biogeography. ?Myanmar; India.
- Chhotani, 1977a: 33 Pericapritermes durga; distribution.
- Roonwal and Chhotani, 1977: 64, 68, 81, fig. 12B *Pericapritermes durga*; soldier described and figured; key; distribution; raised to species rank. Bhutan; India.
- Roonwal, 1978a: 103, 104 Pericapritermes durga; biology; distribution.
- Sen-Sarma and Thakur, 1979: 23 Pericapritermes latignathus durga; key; distribution. India.
- Lahiri and Ghosh, 1980: 66 Pericapritermes durga; synonymy; distribution. Bhutan; India.
- Verma, 1983: 298, 300 Pericapritermes durga; key; distribution. India.
- Roonwal and Chhotani, 1989: figs. 37b, 46b, 47b *Pericapritermes latignathus durga*; soldier head, postmentum and pronotum figured.

- Maiti et al., 1995: 440, 441 Pericapritermes latignathus durga; key; synonymy; soldier measurements: distribution. India.
- Chhotani, 1997: 328–330, fig. 161 *Pericapritermes durga*; soldier, worker described and figured; synonymy; key. Bhutan; India.
- Bose, 1999: 32, 68, fig. 23 Pericapritermes durga; key; synonymy; soldier described and figured; distribution. Bhutan; India.
- Maiti et al., 2000: 296, 302 Pericapritermes durga; listed; distribution. India.
- Ahmad and Akhtar, 2002: 62 *Pericapritermes durga*; catalog. India [incorrect date of new combination].
- Maiti et al., 2004: 156, 157 *Pericapritermes durga*; key; synonymy; soldier measurements; biology; distribution. India; Bhutan.
- © DISTRIBUTION: Oriental Region—Bhutan; India: Arunachal Pradesh, Manipur, Meghalaya, Tripura.

## Pericapritermes fuscotibialis (Light, 1931)

Capritermes fuscotibialis Light, 1931a: 598-599 (imago).

Түре рата: Holotype: AMNH imago ♂ [by monotypy].

Type locality: China: Hong Kong.

- Wu, 1935: 221 Capritermes fuscotibialis; catalog; reference list. China: Hong Kong.
- Snyder, 1949a: 193 Capritermes fuscotibialis; catalog; reference list. China.
- Tu, 1955a: 32, 36, 37 Capritermes fuscotibialis; catalog; distribution. China: Hong Kong.
- Ahmad, 1958: 185 Capritermes fuscotibialis; key.
- Harris, 1963a: 5, 6 Capritermes fuscotibialis; characters; ecology. China: Hong Kong.
- Tsai and Chen, 1964b: 91, 93 Capritermes fuscotibialis; imago described; key. China.
- Tsai and Chen, 1964a: 25, 35 Capritermes fuscotibialis; distribution.
- Krishna, 1968: 294 Pericapritermes fuscotibialis; listed; new combination.
- Verma, 1983: 298, 299 Pericapritermes fuscotibialis; key; distribution. China.
- Gao and Lam, 1985: 118 Capritermes fuscotibialis; distribution. China: Hong Kong.
- Gao and Lam, 1986: 67, 70, 83 Pericapritermes fuscotibialis; key; checklist. China: Hong Kong.
- Gao et al., 1992a: 46 Pericapritermes fuscotibialis; checklist; distribution. China: Hong Kong.
- Tho, 1992: 207 Pericapritermes fuscotibialis; listed.
- Gao, 1995a: 2 Pericapritermes fuscotibialis; checklist. Hong Kong.
- Gao et al., 1996: 107, fig. 7.52 Pericapritermes fuscotibialis; soldier described and figured. Hong Kong.
- Hua, 2000: 26 Capritermes fuscotibialis; listed. China: Hong Kong.
- Huang et al., 2000: 743-744 Pericapritermes fuscotibialis; imago described; reference list. China.
- Ahmad and Akhtar, 2002: 62 *Pericapritermes fuscotibialis*; catalog. China: Hong Kong [incorrect date of new combination].
- © DISTRIBUTION: Oriental Region—China: Hong Kong.

# Pericapritermes gloveri Harris, 1951

Pericapritermes gloveri Harris, 1951a: 26-27 (imago, soldier), fig. 1.

Type data: Syntypes: BMNH queen, soldiers (Tanzania: Kapondwa, near Kasanga), BMNH imagoes, soldiers (Zambia: Kalambo Falls, south bank river), AMNH soldier (Tanzania: Kapondwa, near Kasanga), AMNH imago ♂, soldier, worker (Zambia: Kalambo Falls, south bank river), BMNH soldier (Tanzania: Kakoma, 50 miles south of Tabora), AMNH soldier

(Tanzania: Kakoma, 50 miles south of Tabora), NCIP soldiers (Tanzania: Kapondwa, near Kasanga) [incorrectly cited as paratypes by Ruelle, 1975b].

Type Localities: Tanzania (Tanganyika): Kapondwa, near Kasanga [08°27′S, 31°10′E], Kakoma, 50 miles south of Tabora; Zambia (Northern Rhodesia): Kalambo Falls, south bank river [08°35′S, 31°13′E].

- Harris, 1954e: 132, fig. 3 Pericapritermes gloveri; comparisons.
- Bouillon and Mathot, 1965: 46 Pericapritermes gloveri; catalog. Tanzania; Zambia.
- Krishna, 1968: 294 Pericapritermes gloveri; listed.
- Bouillon and Mathot, 1971: table: no. 300 Pericapritermes gloveri; measurements.
- Wanyonyi et al., 1984: 5 Pericapritermes gloveri; checklist; distribution. Tanzania.
- Sands, 1998: 263, 445, figs. 1252, 1253 Pericapritermes gloveri; worker mandibles figured; distribution. Tanzania; Zambia.
- Tanzania; Zambia.

## Pericapritermes gutianensis Li and Ma, 1983

Pericapritermes gutianensis Li and Ma, 1983: 331-333 (imago, soldier), figs. 1-10.

Type data: Holotype: GIEC ?soldier [no mention of which caste is the type]. Paratypes: GIEC imago, soldiers.

Type locality: Fujian: Shanghang: Gutian.

- Gao and Lam, 1986: 83 Pericapritermes gutianensis; checklist; distribution. China.
- Huang et al., 1989: 510–511, fig. 381 *Pericapritermes gutianensis*; imago, soldier described and figured; key. China.
- Gao et al., 1992a: 46 Pericapritermes gutianensis; checklist; distribution. China: Fujian.
- Huang and Li, 1999: 312–314, fig. 10.56 *Pericapritermes gutianensis*; key; soldier described and figured; distribution. China: Fujian.
- Hua, 2000: 28 Pericapritermes gutianensis; listed. China: Fujian.
- Huang et al., 2000: 744–745, fig. 449 *Pericapritermes gutianensis*; imago, soldier described; soldier figured; key. China.
- Ahmad and Akhtar, 2002: 62 Pericapritermes gutianensis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Fujian.

### Pericapritermes hepuensis Gao and Yang, 1990

Pericapritermes hepuensis Gao and Yang, 1990: 1-5 (soldier).

TYPE DATA: Holotype: SIES soldier. Paratypes: SIES soldiers, workers, NITN soldiers, workers. Type locality: China: Guangxi Province.

- Hua, 2000: 28 Pericapritermes hepuensis; listed. China: Guangxi.
- Huang et al., 2000: 745–747, fig. 450 *Pericapritermes hepuensis*; soldier, worker described and figured; key. China.
- Ahmad and Akhtar, 2002: 62 Pericapritermes hepuensis; catalog. China.
- DISTRIBUTION: Oriental Region—China: Guangxi.

### Pericapritermes heteronotus Silvestri, 1914

Pericapritermes heteronotus Silvestri, 1914a: 137-139 (queen, soldiers, worker), fig. LXXXII.

Type data: Syntypes: IEA queen, soldiers, workers, AMNH soldier, worker, nymph. Type locality: Guinea (French Guinea): Kindia.

- Hegh, 1922: 173, 208, 217, 495, 500, 702, fig. 354J *Pericapritermes heteronotus*; biology; reference list; distribution.
- Sjöstedt, 1926d: 283, 284 Pericapritermes heteronotus; reference list; key; biology; locality.
   Congo-Zaire; Guinea; Sierra Leone.
- Snyder, 1949a: 199 *Pericapritermes heteronotus*; catalog; reference list. Congo-Zaire; Guinea; Sierra Leone.
- Krishna, 1968: 294 Pericapritermes heteronotus; listed.
- Bouillon and Mathot, 1971: table: no. 301 Pericapritermes heteronotus; measurements.
- Johnson et al., 1980: 59 *Pericapritermes heteronotus*; checklist; biology; distribution. Guinea; Nigeria.
- Thorne, 1985b: 328, table 1 *Pericapritermes heteronotus*; polygyny.
- Sands, 1998: 263 Pericapritermes heteronotus; distribution. Nigeria.
- Tistribution: Ethiopian Region—Congo-Zaire; Guinea; Nigeria; Sierra Leone.

### *Pericapritermes latignathus* (Holmgren, 1914)

Capritermes (Capritermes) latignathus Holmgren, 1914: 280-281 (soldier, worker), pl. 7: fig. 25.

Type data: Syntypes: AMNH soldier, workers.

Type locality: Indonesia: Java: Tjibodas, 4500 ft.

- Kemner, 1934b: 167, 174, fig. 51 Capritermes latignathus; soldier, worker described; soldier figured; key. Indonesia: Java.
- Snyder, 1949a: 195 Capritermes latignathus; catalog; reference list. Java.
- Weidner, 1955f: fig. 12 Capritermes latignathus; soldier figured.
- Ahmad, 1958: 188 Capritermes latignathus; key.
- Roonwal and Chhotani, 1962a: 329 Capritermes latignathus latignathus; comparisons.
- Mathur and Thapa, 1962a: 109 Capritermes latignathus; collection catalog. Indonesia.
- Ahmad, 1965: 98–99, 110, fig. 104 Pericapritermes latignathus; soldier described and figured; key; synonymy; distribution; new combination. Thailand.
- Krishna, 1968: 290, 294 Pericapritermes latignathus; listed.
- Harris, 1968d: 146 Pericapritermes latignathus; locality. Cambodia; Thailand; Vietnam.
- Roonwal, 1970c: 355 Pericapritermes latignathus; biology; distribution.
- Chaudhry et al., 1972: 64, fig. 77 Pericapritermes latignathus; synonymy; soldier measurements and figure; ecology; biology; distribution. Bangladesh.
- Morimoto, 1973a: 66, 78 Pericapritermes latignathus; distribution. Thailand.
- Akhtar, 1975: 168–170, 194, fig. 82 *Pericapritermes latignathus*; soldier described and figured; key; distribution. Bangladesh.
- Morimoto, 1976b: 33, fig. 85 Pericapritermes latignathus; soldier figured.
- Thapa, 1982: 209–210, pl. 71 *Pericapritermes latignathus*; soldier described and figured; synonymy; key. Indonesia; Malaysia; Thailand.
- Li and Ma, 1983: 331, 333 *Pericapritermes latignathus*; soldier comparisons; new record. China: Yunnan: Jinghong County: Men-Long.
- Verma, 1983: 298, 300 *Pericapritermes latignathus*; key; distribution. Bangladesh; Indonesia: Java; Malaysia: Sabah; Thailand.
- Watanabe et al., 1984: 48 Pericapritermes latignathus; checklist; distribution. Thailand.
- Ahmad, 1986: 18 Pericapritermes latignathus; distribution. Bangladesh.
- Gao and Lam, 1986: 83 Pericapritermes latignathus; checklist; distribution. China.

- Huang et al., 1989: 509–510, fig. 380 *Pericapritermes latignathus*; soldier described and figured; key. China: Yunnan.
- Gao et al., 1992a: 46 Pericapritermes latignathus; checklist; distribution. China: Guangdong.
- Tho, 1992: 207 Pericapritermes latignathus; listed.
- Lin et al., 1994b: 7 Pericapritermes latignathus; checklist; distribution. China: Guangxi.
- Chhotani, 1997: 330–332, fig. 162 *Pericapritermes latignathus*; soldier, worker described and figured; synonymy; key. Bangladesh; Cambodia; China; Indonesia; Malaysia; Thailand; Vietnam.
- Homathevi and Bignell, 1999: 124, table 1 *Pericapritermes latignathus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy et al., 2000a: 259 *Pericapritermes latignathus*; checklist; ecology; biogeography; distribution. Indonesia: Java.
- Hua, 2000: 28 Pericapritermes latignathus; listed. Bangladesh; China: Yunnan, Guangdong; Thailand.
- Huang et al., 2000: 747–749, fig. 452 Pericapritermes latignathus; soldier described and figured; key. China.
- Gathorne-Hardy et al., 2001: 391 *Pericapritermes latignathus*; checklist; ecology; distribution. Indonesia: Sumatra.
- Homathevi et al., 2002: 234, table 1 *Pericapritermes latignathus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Pericapritermes latignathus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 121 *Pericapritermes latignathus*; checklist; distribution. Indonesia: Java, Kalimantan, Sumatra, Siberut Island; Malaysia: Mainland, Sabah.
- Sornnuwat et al., 2004: 364 Pericapritermes latignathus; checklist; distribution. Thailand.
- Inoue et al., 2006: 611, table 1 Pericapritermes latignathus; checklist; feeding groups; ecology; distribution. Thailand.
- Vu et al., 2007: 85-94 Pericapritermes latignathus; ecology; distribution. Vietnam.
- © DISTRIBUTION: Oriental Region—Bangladesh; Cambodia; China: Fujian, Guangdong, Yunnan; Indonesia: Java, Kalimantan, Sumatra; Malaysia: Sabah; Thailand; Vietnam.

#### Pericapritermes machadoi Noirot, 1955

Pericapritermes machadoi Noirot, 1955a: 148-149 (soldier), fig. 7.

Type data: Holotype: LZFD Ang 4030–10 unique soldier [According to Noirot (personal commun.) this holotype will probably be transferred to the MNHP].

Type locality: Angola: Hoque [14°44′S, 13°54′E].

- Bouillon and Mathot, 1965: 46 Pericapritermes machadoi; catalog. Angola.
- Krishna, 1968: 294 Pericapritermes machadoi; listed.
- Bouillon and Mathot, 1971: table: no. 302 Pericapritermes machadoi; measurements.
- Weidner, 1974: 58 Pericapritermes machadoi; listed. Angola.
- TISTRIBUTION: Ethiopian Region—Angola.

### Pericapritermes magnificus (Silvestri, 1912)

Capritermes magnificus Silvestri, 1912a: 254–255 (soldier, worker), fig. XX.

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, worker.

Type Locality: Congo (French Congo): Brazzaville.

- Hegh, 1922: 502, 701 Capritermes magnificus; reference list; distribution.
- Sjöstedt, 1926d: 283 Pericapritermes magnificus; reference list; key; locality; new combination.
   Congo.

- Snyder, 1949a: 199 *Pericapritermes magnificus*; catalog; reference list. Congo [incorrectly stated that Silvestri originally placed this species under *Pericapritermes*].
- Deligne, 1965: 179–186, fig. 2 *Pericapritermes magnificus*; soldier mandibles; functional morphology; defense.
- Deligne, 1967: 135–136, fig. 4 Pericapritermes magnificus; soldier mandibles; functional morphology; defense.
- Krishna, 1968: 294 Pericapritermes magnificus; listed.
- Bouillon and Mathot, 1971: 11, table: no. 303 *Pericapritermes magnificus*; catalog; synonymy; measurements; distribution. Gabon.
- Prestwich, 1984a: table 1 Pericapritermes magnificus; checklist; ecology; defense mode; chemicals; distribution.
- Eggleton et al., 1995: 85–98 Pericapritermes magnificus; checklist; ecology. Cameroon.
- Eggleton and Bignell, 1997: 489–498 *Pericapritermes magnificus*; association; ecology. Cameroon.
- Sands, 1998: 263 *Pericapritermes magnificus*; worker mandibles figured; distribution. Cameroon; Congo; Gabon; Sierra Leone.
- Deligne, 1999: figs. 14, 29 Pericapritermes magnificus; worker mandibles; functional morphology.
- Noirot, 2001: 438, fig. 7] Pericapritermes magnificus; gut characters; figured.
- TISTRIBUTION: Ethiopian Region—Cameroon; Congo-Brazzaville; Gabon.

## Pericapritermes metatus Silvestri, 1914

*Pericapritermes appellans metata* Silvestri, 1914a: 141–142 (queen, soldier, worker), fig. LXXXIV [In the present work the subspecies *metata* (changed to *metatus*) is being raised to full species rank].

Type data: Syntypes: IEA queen, soldiers, workers (Guinea: Kindia), AMNH queens, imagoes, soldiers, workers (Guinea: Kindia), IEA soldiers (Guinea: Camayenne), IEA soldiers (Guinea: Kakoulima), AMNH queen, soldiers (Guinea: Kakoulima).

Type localities: Guinea (French Guinea): Camayenne, Kindia, Kakoulima.

- Hegh, 1922: 495, 535, 596, 624, 702 *Pericapritermes appellans* var. *metata*; biology; reference list; distribution.
- Sjöstedt, 1926d: 286 *Pericapritermes appellans* var. *metata*; reference list; biology; locality. Guinea.
- Snyder, 1949a: 198 Pericapritermes appellans var. metata; catalog; reference list. Guinea.
- Krishna, 1968: 294 Pericapritermes appellans var. metata; listed.
- Bouillon and Mathot, 1971: table: no. 295 Pericapritermes appellans var. metata; measurements.
- Krishna et al., this work *Pericapritermes metatus*; raised to species rank.
- Tistribution: Ethiopian Region—Guinea.

#### Pericapritermes minimus Weidner, 1956

Pericapritermes minimus Weidner, 1956b: 101 (soldier), fig. 45.

TYPE DATA: Holotype: RGMC No. 612.11 soldier. Paratype: RGMC soldier [not type locality]. TYPE LOCALITY: Angola: Dundo.

- Weidner, 1961: 71, 73 Pericapritermes minimus; characters; distribution. Angola.
- Bouillon and Mathot, 1965: 46 Pericapritermes minimus; catalog. Angola.
- Harris, 1965: 16, 18 Pericapritermes minutus [sic]; ecology; locality. Congo-Zaire.
- Krishna, 1968: 285, 294, fig. 21B Pericapritermes minimus; listed; worker mandibles figured; synonymy.

- Bouillon and Mathot, 1971: 11, table: no. 304 *Pericapritermes minimus*; catalog; synonymy; measurements: distribution. Cameroon.
- Weidner, 1974: 58 Pericapritermes minimus; listed. Angola.
- Mathot, 1974: 15 Pericapritermes minimus; collection catalog; types listed.
- Eggleton and Bignell, 1997: 489-498 Pericapritermes minimus; association; ecology. Cameroon.
- Sands, 1998: 263 Pericapritermes minimus; distribution. Cameroon.
- Dibog et al., 1999: 125-132 Pericapritermes minimus; checklist; ecology. Cameroon.

Pericapritermes amplignathus Harris, 1956a: 932-933 (soldier, worker), fig. 3.

Type data: Holotype: UZM soldier. Paratypes: BMNH soldiers, workers, AMNH soldier, worker.

Type locality: Cameroon (French Cameroon): River Nyong, 16 km south of Makak [03°32′N, 11°03′E].

- Harris, 1963c: 17 Pericapritermes amplignathus; comparisons.
- Bouillon and Mathot, 1965: 46 Pericapritermes amplignathus; catalog. Cameroon.
- Krishna, 1968: 294 Pericapritermes amplignathus; synonymized with minimus.
- Bouillon and Mathot, 1971: table: no. 294 Pericapritermes amplignathus; measurements.
- Eggleton et al., 1995: 85-98 Pericapritermes amplignathus; checklist; ecology. Cameroon.
- Bignell et al., 1997: 120, table 8.2 *Pericapritermes amplignathus*; methane and other gas emissions.
- Sugimoto et al., 1997: 220 Pericapritermes amplignathus; diet; methane emissions.
- TISTRIBUTION: Ethiopian Region—Angola; Cameroon; Congo-Zaire.

### Pericapritermes modiglianii (Silvestri, 1922)

Capritermes modiglianii Silvestri, 1922: 545–546 (soldier, worker), fig. 7.

Type data: Syntypes: IEA soldiers, workers.

Type Locality: Indonesia: Sumatra: Doloc-Tolong.

- Snyder, 1949a: 195 Capritermes modiglianii; catalog; reference list. Sumatra.
- Ahmad, 1958: 189 Capritermes modgliani [sic]; key.
- Krishna, 1968: 294 Pericapritermes modiglianii; listed; new combination.
- Tho, 1992: 207 Pericapritermes modiglianii; listed.
- Ahmad and Akhtar, 2002: 62, 63 *Pericapritermes modigliani* [sic]; catalog. Indonesia [incorrect date of new combination].
- Gathorne-Hardy, 2004: 121 Pericapritermes modiglianii; checklist; distribution. Indonesia: Sumatra.
- © DISTRIBUTION: Oriental Region—Indonesia: Sumatra.

### Pericapritermes mohri (Kemner, 1934)

*Capritermes mohri* Kemner, 1934b: 178–179 (imago, soldier, worker), fig. 53 [described as "*Mohri*"].

Type data: Syntypes: ZMLU imagoes, soldiers, workers (Indonesia: Java: Buitenzorg), ZMLU imagoes, soldiers, workers (Indonesia: Java: Orte Kali Bata), ZMLU imagoes, soldiers, workers (Indonesia: Java: Depok), AMNH imagoes, soldiers, workers (Indonesia: Java: Buitenzorg), AMNH soldiers, workers (Indonesia: Java: Orte Kali Bata), AMNH soldiers, workers

(Indonesia: Java: Depok), USNM imago (Indonesia: Java: Buitenzorg), FRI soldier, worker, nymph (Indonesia: Java: Buitenzorg).

Type localities: Indonesia: Java: Buitenzorg, Depok, Orte Kali Bata.

- Snyder, 1949a: 195 Capritermes mohri; catalog; reference list. Java.
- Ahmad, 1958: 187, 189 Capritermes mohri; key.
- Mathur and Thapa, 1962a: 109 Capritermes mohri; collection catalog. Indonesia.
- Roonwal and Maiti, 1966: 99–100 Capritermes mohri; synonymy; soldier described; distribution. Indonesia: Java.
- Krishna, 1968: 294 Pericapritermes mohri; listed; new combination.
- Morimoto, 1976a: 326 Pericapritermes mohri; locality. Malaysia: Mainland.
- Thapa, 1982: 210–213, pl. 72 *Pericapritermes mohri*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Verma, 1983: 298, 299, 300 *Pericapritermes mohri*; key; distribution. Indonesia: Java; Malaysia: Sabah.
- Collins, 1984: 68 Pericapritermes mohri; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 117, 200, 207 Pericapritermes mohri; listed.
- Jones and Brendell, 1998: 79–91 Pericapritermes mohri; checklist; feeding groups; ecology. Malaysia: Mainland.
- Gathorne-Hardy et al., 2000a: 259 *Pericapritermes mohri*; checklist; ecology; biogeography; distribution. Indonesia: Java.
- Gathorne-Hardy et al., 2001: 391 Pericapritermes mohri; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 63 *Pericapritermes mohri*; catalog. Indonesia: Java [incorrect date of new combination].
- Jones and Prasetyo, 2002: 121, table 1 *Pericapritermes mohri*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 121 *Pericapritermes mohri*; checklist; distribution. Malaysia: Mainland, Sabah; Indonesia: Java, Kalimantan, Sumatra.
- © DISTRIBUTION: Oriental Region—Indonesia: Java, Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

#### Pericapritermes nigerianus Silvestri, 1914

*Pericapritermes urgens nigeriana* Silvestri, 1914a: 137 (soldier, worker) [All references to *Pericapritermes socialis* in Snyder, 1949a are erroneous combinations or misidentifications and should be treated as *P. nigerianus*, except for Sjöstedt, 1899a; see Sands, 1972: 243].

Type data: Syntypes: IEA soldiers, workers (Nigeria: Ibadan, Lagos, Olokemeji), AMNH soldiers, workers (Nigeria: Ibadan).

Type localities: Nigeria: Ibadan, Lagos, Olokemeji.

- Sjöstedt, 1900a: 71, 140, 191–194, pl. 5: fig. F4 Eutermes socialis [misidentification; soldier and worker only; imago = Acholotermes socialis]; soldier, worker described and figured; synonymy. Cameroon; Ghana.
- Sjöstedt, 1904: 38 Eutermes socialis [misidentification]; listed.
- Holmgren, 1912a: 116 Capritermes (Capritermes) socialis [misidentification]; listed. Cameroon; Ghana.
- Sjöstedt, 1914b: 6 Eutermes (Capritermes) socialis [misidentification]; listed.
- Hegh, 1922: 501, 701, 702, fig. 15 Pericapritermes urgens var. nigeriana; biology; reference list; distribution; Capritermes socialis; reference list; distribution [imago = Acholotermes socialis].
- Sjöstedt, 1926d: 283, 285 Pericapritermes urgens var. nigeriana; reference list; biology; locality. Nigeria. Pericapritermes socialis; imago described [= Acholotermes socialis; see Sands, 1972];

- soldier reference [misidentification = nigerianus]; locality [Nigeria only; Cameroon; Congo-Zaire; Ghana doubtful].
- Sjöstedt, 1926a: 4 Pericapritermes urgens var. nigeriana; locality. Ghana.
- Snyder, 1949a: 199, 200 *Pericapritermes urgens nigeriana*; catalog; reference list [references to soldiers listed under *P. socialis* = *P. nigerianus*; see Sands, 1972: 243]. Ghana; Nigeria.
- Mathur and Thapa, 1962a: 116 Pericapritermes urgens var. nigeriana; collection catalog. Nigeria.
- Harris, 1963c: 17 Pericapritermes socialis [misidentification]; comparisons.
- Krishna, 1968: 294 Pericapritermes urgens var. nigeriana; listed.
- Bouillon and Mathot, 1971: table: nos. 306, 307 *Pericapritermes socialis* [misidentification]; measurements; *Pericapritermes urgens* var. *nigeriana*; measurements.
- Sands, 1972: 243 Pericapritermes nigerianus; stat. nov; erroneous combinations of Pericapritermes socialis now under this name. Nigeria.
- Mathot, 1979: 12 Pericapritermes nigerianus; collection catalog; types listed.
- Johnson et al., 1980: 59 Pericapritermes nigerianus; checklist; biology; distribution. Nigeria.
- Medler, 1980: 56 Pericapritermes nigerianus; synonymy; checklist. Nigeria.
- Eggleton et al., 1995: 85–98 Pericapritermes nigerianus; checklist; ecology. Cameroon.
- Eggleton et al., 1996: 51–68 *Pericapritermes nigerianus*; checklist; feeding; ecology. Cameroon.
- Eggleton and Bignell, 1997: 489–498 Pericapritermes nigerianus; associations; ecology.
   Cameroon.
- Sands, 1998: 263, 445, 446, figs. 1254–1256, 1263–1266 *Pericapritermes nigerianus*; worker mandibles, gut figured; distribution. Cameroon; Gambia; Ghana; Nigeria; and many localities in West Africa.
- Dibog et al., 1999: 125–132 Pericapritermes nigerianus; checklist; ecology. Cameroon.

Pericapritermes emersoni Krishna, 1968: 294 (soldier, worker) [erected for the soldiers and workers of *Eutermes socialis* Sjöstedt, 1899 (= *Pericapritermes socialis*), as described by Sjöstedt, 1900a (original species description included only imagoes); incorrectly cited by Krishna as a new name, it was actually a new species description by bibliographic reference, with no textual description].

Type data: Syntypes: EMAG soldier, worker (Ghana: Aburi), ZIHS soldier, worker (Ghana: Aburi), EMAG soldiers, workers (Cameroon: Mungo), ZIHS soldiers, workers (Cameroon: Mungo), AMNH soldier (Cameroon: Mungo).

Type Localities: Ghana (Gold Coast): Aburi; Cameroon: Mungo.

- Bouillon and Mathot, 1971: 11 Pericapritermes emersoni; synonymy.
- Krishna et al., this work Pericapritermes emersoni; synonymized with nigerianus. New synonymy.
- TISTRIBUTION: Ethiopian Region—Cameroon; Gambia; Ghana; Nigeria.

### Pericapritermes nitobei (Shiraki, 1909)

*Eutermes nitobei* Shiraki, 1909: 238 (soldier) [spelled *nitobei* on p. 229 in species list, but *nitoboi* on p. 238 in species description; all subsequent authors have used *nitobei*; one spelling may need to be chosen to satisfy ICZN, 1999 code on alternate spellings].

Type data: Syntypes (whereabouts unknown): soldiers.

Type locality: Taiwan (Formosa): Maruyama.

- Oshima, 1909: 40 Termes (Eutermes) nitobei; soldier described; new combination. Taiwan.
- Oshima, 1910a: 411–412, 516 *Termes (Eutermes) longicornis*, also as *Eutermes longicornis* [misidentifications]; listed. Taiwan.

- Oshima, 1911b: 9–11 Eutermes longicornis [misidentification]; listed. Taiwan.
- Nawa, 1911a: 14 Eutermes longicornis [misidentification]; listed.
- Nitobe, 1911: 20 Eutermes nitobei; listed.
- Oshima, 1912: 82–83, pl. 1: figs. 9, 14, pl. 2: figs. 4, 5 *Capritermes nitobei*; soldier described and figured; new combination. Taiwan.
- Nawa, 1912a: 18, pl. 1: fig. 6 *Eutermes longicornis* [misidentification]; comparisons with other species; soldier figured. Taiwan.
- Nawa, 1912c: pl. 23: fig. 2 Eutermes longicornis [misidentification]; imago, soldier figured.
- Oshima, 1913b: 279 Capritermes (Capritermes) nitobei; distribution. Taiwan.
- Oshima, 1914c: 2 Capritermes (Capritermes) nitobei; listed.
- Hozawa, 1915: 12, 145–155, figs. 37, 38, 39, pl. 4: fig. 29 *Capritermes* (*Capritermes*) *nitobei*; imago, soldier, worker described and figured; synonymy. Taiwan.
- Kemner, 1925b: 5, fig. 2B Capritermes nitobei; listed.
- Light, 1931a: 582, 583, 598 Capritermes nitobei; locality. China.
- Hozawa, 1932: 2005, figs. A, B Capritermes nitobei; imago, soldier described and figured.
- Wu, 1935: 221 Capritermes nitobei; catalog; synonymy; reference list. China.
- Snyder, 1949a: 196 Capritermes nitobei; catalog; reference list; synonymy. China.
- Tu, 1955b: 82, 83, 85 *Capritermes nitobei*; catalog; distribution. China; Japan: Loo-Choo (Ryukyu) Archipelago; Taiwan.
- Tu, 1955a: 32, 36, 37 *Capritermes nitobei*; catalog; distribution. China: Mainland, Hainan Island; Taiwan.
- Ahmad, 1958: 187 Capritermes nitobei; key.
- Mathur and Thapa, 1962a: 109 *Capritermes nitobei*; collection catalog [erroneously listed as "cotype"]. Taiwan.
- Harris, 1963a: 6, fig. 4 Capritermes nitobei; soldier figured.
- Ikehara, 1963: 12, fig. 2 Capritermes nitobei; synonymy; distribution. Japan: Ryukyu Islands.
- Tsai and Chen, 1964a: 26, 28, 31, 32, 35 Capritermes nitobei; distribution.
- Tsai and Chen, 1964b: 91–93, figs. 42, 43 *Capritermes nitobei*; imago, soldier described and figured; key. China.
- Ahmad, 1965: 103–104, 110, fig. 110 *Capritermes nitobei*; soldier described and figured; synonymy; distribution. Thailand.
- Ikehara, 1966: 65, 79–80, 81. *Capritermes nitobei*; synonymy; biogeography; dispersal; biology; distribution. Japan: Ryukyu Islands.
- Morimoto, 1967a: 10, fig. 9 Capritermes nitobei; distribution map. Japan.
- Krishna, 1968: 294 Pericapritermes nitobei; listed; synonymy; new combination.
- Morimoto, 1973a: 78 Capritermes nitobei; listed.
- Li, 1979: 67 Capritermes nitobei; listed. China.
- Thapa, 1982: 213–216, pl. 73 *Pericapritermes nitobei*; imago, soldier described and figured; synonymy; key. China; Malaysia; Taiwan; Thailand.
- Zhu, 1982: 233 Capritermes nitobei; listed. China.
- Verma, 1983: 298, 299, 300 *Pericapritermes nitobei*; key; distribution. China; Malaysia: Sabah; Taiwan; Thailand.
- Gao and Lam, 1985: 118 Pericapritermes nitobei; distribution. China: Hong Kong.
- Gao and Lam, 1986: 67, 83, fig. 10 *Pericapritermes nitobei*; imago figured; checklist. China: Hong Kong.
- Abe, 1989: 44, 46 Pericapritermes nitobei; biology; ecology; distribution. Japan: Ryukyu Islands.
- Gao et al., 1992a: 46 *Pericapritermes nitobei*; checklist; distribution. China: Beijing, Guangdong, Guangxi, Hong Kong, Hunan, Jiangxi, Sichuan, Yunnan, Zhejiang; Taiwan.
- Peng and Yin, 1992: 38, fig. 108 *Capritermes nitobei*; imago, soldier described and figured. China: Yunnan.
- Tho, 1992: 207 Pericapritermes nitobei; listed.
- Chung and Chen, 1994: 201–202 Capritermes nitobei; synonymy; distribution. Taiwan.
- Lin et al., 1994b: 7 Capritermes nitobei; synonymy; checklist; distribution. China: Guangxi.
- Takematsu, 1994b: 43, 46 Pericapritermes nitobei; distribution. Japan.

- Gao, 1995a: 2 Pericapritermes nitobei; checklist. Hong Kong.
- Gu et al., 1995: 648 Pericapritermes nitobei; checklist. China: Hainan.
- Gao et al., 1996: 107–108, fig. 7.53 *Pericapritermes nitobei*; soldier described and figured. Hong Kong.
- Crosland and Darlington, 1997: 263–268 Pericapritermes nitobei; biology; nest population.
- Jones and Brendell, 1998: 79–91 *Pericapritermes nitobei*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Jones et al., 1998: 101, table 1 Pericapritermes ?nitobei; checklist; feeding; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 *Pericapritermes* near *nitobei*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi and Bignell, 1999: 124, table 1 *Pericapritermes nitobei*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Huang and Li, 1999: 316, fig. 10.62 Capritermes nitobei; soldier described and figured; distribution. China: Fujian.
- Jeeva et al., 1999: 11–17 *Pericapritermes nitobei*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Takematsu, 1999c: 34, 38, fig. 2.10 Pericapritermes nitobei; gut described and figured.
- Hua, 2000: 28 *Pericapritermes nitobei*; listed; synonymy. China: Fujian, Guangdong, Guangxi, Hong Kong, Hubei, Jiangsu, Jiangxi, Sichuan, Yunnan, Zhejiang; Japan; Taiwan.
- Huang et al., 2000: 749–751, fig. 453 *Pericapritermes nitobei*; imago, soldier described and figured; key. China.
- Jones, 2000: 271–286 Pericapritermes ?nitobei; checklist; biology; ecology. Malaysia: Sabah.
- Yasuda et al., 2000: 155 Pericapritermes nitobei; listed; distribution. Japan.
- Gathorne-Hardy et al., 2001: 391 *Pericapritermes nitobei*; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 63 *Pericapritermes nitobei*; catalog. China: Hong Kong [incorrect date of new combination].
- Fujita and Abe, 2002: 76–78 Pericapritermes nitobei; gut enzymes. Japan.
- Homathevi et al., 2002: 234, table 1 *Pericapritermes nitobei*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy, 2004: 121 *Pericapritermes nitobei*; checklist; distribution. Malaysia: Mainland, Borneo [Sarawak]; Indonesia: Sumatra, Siberut Island.
- Ohkuma et al., 2004: 701–710 Pericapritermes nitobei; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Pericapritermes nitobei; checklist; distribution. Thailand.
- Gathorne-Hardy et al., 2006: 607, table 1 *Pericapritermes nitobei*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- Vu et al., 2007: 85–94 Pericapritermes nitobei; ecology; distribution. Vietnam.
- Yamada et al., 2007: 3768–3777 *Pericapritermes nitobei*; *nif*H; nitrogen fixation; symbiosis. Japan: Okinawa.

#### Capritermes (Capritermes) watasei Holmgren, 1912a: 116 [nomen nudum].

— Snyder, 1949a: 196 • Capritermes watasei; synonymized with nitobei.

### Capritermes sulcatus Holmgren, 1912d: 130-132 (imago, soldier, worker).

Type data: Syntypes: ZIHS imagoes, soldiers, workers, AMNH imagoes, soldiers, workers. Type locality: Taiwan (Formosa).

- Hozawa, 1912: 498 Capritermes sulcatus; synonymized with nitobei [nitobei listed under sulcatus instead of reverse].
- Holmgren, 1913c: 247, pl. 6: figs. 22, 31 *Capritermes sulcatus*; imago, soldier, worker described; imago, soldier figured; key; distribution. Taiwan.
- Oshima, 1913a: 279 Capritermes sulcatus; synonymized with nitobei.

Capritermes jangtsekiangensis Kemner, 1925b: 4-5 (soldier, worker), fig. 2A.

Type data: Syntypes: ZMLU soldiers, workers.

Type Locality: China: Jiangsu Province: Tschingkiang.

- Snyder, 1931a: 549 Capritermes (Capritermes) jangtsekiangensis; locality. China.
- Light, 1931a: 598 Capritermes jangtsekiangensis; conditionally synonymized with nitobei.
- Wu, 1935: 221 Capritermes jangtsekiangensis; catalog; reference list. China.
- Snyder, 1949a: 195 Capritermes jangtsekiangensis; catalog. China.
- Tu, 1955a: 32, 36, 37 Capritermes jangtsekiangensis; catalog; distribution. China.
- Tsai and Chen, 1964a: 26, 35 *Capritermes jangtsekiangensis*; synonymized with *nitobei* [mistakenly cited as a new synonymy by Krishna, 1968: 294].
- Gao et al., 1982b: 138 Capritermes jangtsekiangensis; distribution. China: Jiangsu.
- Li, 1982: 448 Pericapritermes jangtsekiangensis; soldier figured; new combination.
- Wang and Li, 1984: 68 Pericapritermes jangtsekiangensis; listed. China.
- Gao and Lam, 1986: 83 Pericapritermes jangtsekiangensis; checklist; distribution. China.
- Huang et al., 1989: 515, fig. 384 *Pericapritermes jangtsekiangensis*; soldier described and figured; key. China.
- Gao et al., 1992a: 46 *Pericapritermes jangtsekiangensis*; distribution. China: Guangxi, Henan, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan.
- Gao and Chen, 1992a: 2 Pericapritermes jangtsekiangensis; locality. China.
- Peng and Yin, 1992: 36–37, fig. 104 *Pericapritermes jangtsekiangensis*; soldier described and figured. China: Yunnan.
- Huang and Han, 1993: 93–94, fig. 9 *Pericapritermes jangtsekiangensis*; soldier described and figured. China: Fujian.
- Jiang et al., 1993: 15 Pericapritermes jangtsekiangensis; checklist; distribution. Guangxi.
- Zhu et al., 1993: 56 Pericapritermes jangtsekiangensis; checklist; distribution. China.
- Lin et al., 1994b: 7 Pericapritermes jangtsekiangensis; checklist; distribution. Guangxi.
- Zhang et al., 1994a: 253-256 Pericapritermes jangtsekiangensis; wing microsculpturing.
- Zhang et al., 1994e: 300-302 Pericapritermes jangtsekiangensis; gut morphology.
- Huang and Li, 1999: 312, 314, fig. 10.58 *Pericapritermes jangtsekiangensis*; key; soldier described and figured; distribution. China: Fujian.
- Hua, 2000: 28 *Pericapritermes jangtsekiangensis*; listed; distribution. China: Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hebei, Henan, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan, Yunnan, Zhejiang; Taiwan.
- Huang et al., 2000: 747, fig. 451 *Pericapritermes jangtsekiangensis*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 62 *Pericapritermes jangtsekiangensis*; catalog [incorrect date of new combination]. China.

#### Capritermes laevulobliquus Zhu and Chen, 1983: 29-34 (soldier), fig. 1.

TYPE DATA: Holotype: GIEC No. 6600 soldier. Paratypes: GIEC soldiers, workers. Type locality: China: Guangdong Province: Meixian County: Yaoshan-Tiekeng reservoir.

- Gao and Lam, 1986: 83 *Pericapritermes laevulobliquus*; checklist; distribution. China: Guangdong.
- Huang et al., 1989: 523 Capritermes laevulobliquus; synonymized with nitobei.
- Gao et al., 1992a: 46 Pericapritermes laevulobliquus; checklist; distribution. China: Guangdong.
- Ahmad and Akhtar, 2002: 62 Pericapritermes laeveuloblinquus [sic]; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hong Kong, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan, Yunnan, Zhejiang; Indonesia: Kalimantan, Sumatra; Japan: Okinawa, Ryukyu Islands; Malaysia: Mainland, Sabah, Sarawak; Taiwan; Thailand; Vietnam. ◆ Palaearctic Region—China: Anhui, Henan.

### Pericapritermes paetensis (Oshima, 1920)

*Capritermes paetensis* Oshima, 1920b: 506–508 (soldier, worker), pl. 2: figs. 7, 8, pl. 3: figs. 15, 16, pl. 4: figs. 10, 11.

Type data: Syntypes: AMNH soldiers, workers, FRI soldiers, workers.

Type locality: Philippines: Luzon: Laguna Province: Paete.

- Light, 1921a: 254 Capritermes paetensis; distribution. Philippines.
- Light, 1930f: 20 Capritermes paetensis; listed. Philippines.
- Snyder, 1949a: 197 Capritermes paetensis; catalog; reference list. Philippines.
- Snyder and Francia, 1962: 64, 67, 75 *Capritermes paetensis*; key; distribution; biology. Philippines.
- Mathur and Thapa, 1962a: 110 Capritermes paetensis; collection catalog. Philippines.
- Krishna, 1968: 294 Pericapritermes paetensis; listed; new combination.
- Tho, 1992: 207 Pericapritermes paetensis; listed.
- Ahmad and Akhtar, 2002: 63 Pericapritermes paetensis; catalog. Philippines [incorrect date of new combination].
- © DISTRIBUTION: Oriental Region—Philippines: Luzon.

## Pericapritermes pallidipes (Sjöstedt, 1898)

Eutermes pallidipes Sjöstedt, 1898c: 212 (imago).

Type data: Syntypes: ZMB imagoes (Cameroon: Kribi), NHRM imagoes (Cameroon: Kribi), NHRM imagoes (Sierra Leone).

Type Locality: Cameroon: Kribi (Cribi); type locality fixed as Cameroon: Kribi, by Sjöstedt, 1926d: 290.

- Sjöstedt, 1900a: 140, 172–174, pl. 5: figs. N1–N3 *Eutermes pallidipes*; imago described and figured; key; distribution. Cameroon; Sierra Leone.
- Sjöstedt, 1904: 31, 115 Eutermes pallidipes; key; distribution.
- Desneux, 1904b: 44 *Termes (Eutermes) pallidipes*; reference list; new combination. Cameroon; Sierra Leone.
- Silvestri, 1914a: 51 ?Anoplotermes pallidipes; listed; new combination.
- Hegh, 1922: 496, 695 ?Anoplotermes pallidiceps [sic]; biology; reference list; distribution.
- Sjöstedt, 1926d: 289–290 *Anoplotermes pallidipes*; reference list; biology; locality. Cameroon [fixed as type locality]; Sierra Leone.
- Snyder, 1949a: 108 Anoplotermes pallidipes; catalog, reference list. Cameroon; Sierra Leone.
- Bouillon and Mathot, 1971: table: no. 88 Anoplotermes pallidipes; measurements.
- Sands, 1972: 5 Pericapritermes pallidipes; remarks; new combination.
- Tistribution: Ethiopian Region—Cameroon; Sierra Leone.

# Pericapritermes papuanus Bourguignon and Roisin, 2008

*Pericapritermes papuanus* Bourguignon et al., 2008: 24–25 (imago, soldier, worker), figs. 41–44, 57–58, 64, 67.

Type data: Holotype: RIB soldier. Paratypes: RIB imagoes soldiers, workers, AMNH imagoes soldiers, workers.

Type locality: Papua New Guinea: Wipim.

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### Pericapritermes parvus Bourguignon and Roisin, 2008

*Pericapritermes parvus* Bourguignon et al., 2008: 20–22 (imago, soldier, worker), figs. 33–36, 55–56, 67.

Type data: Holotype: MZB soldier. Paratypes: MZB imagoes, soldiers, workers, AMNH imago, soldier, worker, RIB imago, soldier, worker, ANIC soldiers, workers [not type locality].

Type locality: Indonesia: Irian Jaya: Pusppenssat-Irja, 50 km from Nabire on Ilaga road.

🔊 DISTRIBUTION: Papuan Region—Indonesia: Irian Jaya; Papua New Guinea.

### Pericapritermes pilosus Bourguignon and Roisin, 2008

Pericapritermes pilosus Bourguignon et al., 2008: 22-23 (soldier, worker), figs. 37-40, 67.

Type data: Holotype: RIB soldier. Paratypes: RIB soldiers, workers, AMNH soldier, worker. Type locality: Papua New Guinea: Southern Highlands: Pimaga.

© DISTRIBUTION: Papuan Region—Papua New Guinea.

### **Pericapritermes planiusculus** Ping and Xu, 1988

Pericapritermes planiusculus Ping et al., 1988: 88–89, 102 (soldier), figs. 1–5.

Type data: Holotype: GIEC I. no. E 6681 soldier. Paratypes: GIEC soldiers, workers, GIF soldiers, workers.

Type Locality: China: Guizhou Province: Congjiang Xiang.

- Zhu et al., 1993: 56 Pericapritermes planiusculus; checklist; distribution. China.
- Hua, 2000: 28 *Pericapritermes planiusculus* [listed with incorrect date; *Nasutitermes planiusculus*, a separate species, incorrectly cited as a synonym of *P. planiusculus*]. China: Guangdong, Guizhou, Sichuan.
- Huang et al., 2000: 751–752, fig. 454 *Pericapritermes planiusculus*; soldier described and figured; key. China: Guizhou.
- Ahmad and Akhtar, 2002: 63 Pericapritermes planiusculus; catalog. China.
- 🔊 DISTRIBUTION: Oriental Region—China: Guizhou.

### Pericapritermes schultzei (Holmgren, 1911)

*Capritermes schultzei* Holmgren, 1911b: 462–463 (soldier, worker), fig. 5 [described as "Schultzei"].

Type data: Syntypes: ZMB soldiers, workers.

Type locality: Papua New Guinea: Sepik, 1570 m.

- Holmgren, 1912a: 116 Capritermes (Capritermes) Schultzei; listed. New Guinea.
- Hill, 1927a: 40 Capritermes schultzei; locality. Papua New Guinea.
- Hill, 1942: 420–421, fig. 328 *Capritermes schultzei*; soldier, worker described and figured; synonymy; distribution. Papua New Guinea.
- Snyder, 1949a: 197 Capritermes schultzei; catalog; reference list. New Guinea.
- Barrett, 1965: 95-96 Capritermes schultzei; distribution. New Guinea.
- Krishna, 1968: 290, 294 Pericapritermes schultzei; listed; new combination.
- Bess, 1970: 474 Pericapritermes schultzei; distribution. Papua New Guinea.

- Miller, 1991: 1277 Pericapritermes sp., similar to schultzei. Australia: Queensland.
- Bourguignon et al., 2008: 18, 19, figs. 29–32 Pericapritermes cf. schultzei; soldier, worker described and figured; distribution. Papua New Guinea.
- ♠ DISTRIBUTION: Australian Region—?Australia: Queensland. ◆ Papuan Region—Papua New Guinea.

## Pericapritermes semarangi (Holmgren, 1913)

Capritermes semarangi Holmgren, 1913c: 247 (imago, soldier, worker).

Type data: Syntypes: ZIL imagoes, soldiers, workers, ZIHS imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, RMNH imagoes, soldiers, workers, FRI imagoes, soldier, worker. Type locality: Indonesia: Java: Semarang.

- Bugnion, 1913d: 170 Capritermes Samarangi [sic]; antennal articles. Indonesia: Java.
- Holmgren, 1913e: 26–28 *Capritermes Semarangi*; erroneously described as n. sp.; imago, soldier, worker described; remarks. Indonesia: Java.
- Holmgren, 1914: 279 Capritermes (Capritermes) semarangi; locality.
- Kemner, 1934b: 10, 171, 225, fig. 50 *Capritermes semarangi*; synonymy; imago, soldier, worker described; imago, soldier figured; key. Indonesia: Java.
- Wheeler, 1936: 223 Capritermes semarangi; ant ecological relationships.
- Snyder, 1949a: 197, 198 Capritermes semarangi; catalog; reference list; synonymy. Java, Sumatra.
- Ahmad, 1958: 186, 188 Capritermes semarangi; key.
- Mathur and Thapa, 1962a: 110 Capritermes semarangi; collection catalog. Indonesia.
- Tsai and Chen, 1964b: 91, 98–100, figs. 49, 50 *Capritermes semarangi*; imago, soldier described and figured; key. China.
- Tsai and Chen, 1964a: 28, 35 Capritermes semarangi; distribution.
- Yu and Ping, 1964a: 21 Capritermes semarangi; locality.
- Krishna, 1965a: 2, 15 *Pericapritermes semarangi*; reference list; measurements; locality; new combination. Myanmar.
- Ahmad, 1965: 98, 99–100, 110, fig. 105 *Capritermes semarangi*; soldier described and figured; key; synonymy; distribution. Thailand.
- Krishna, 1968: 290 Pericapritermes semarangi; listed; synonymy.
- Roonwal, 1970c: 356 Pericapritermes semarangi; biology; distribution.
- Chaudhry et al., 1972: 64–65, fig. 78 *Pericapritermes semarangi*; synonymy; soldier measurements and figure; ecology; biology; distribution. Bangladesh.
- Morimoto, 1973a: 66, 78 Pericapritermes semarangi; distribution. Thailand.
- Akhtar, 1975: 168, 170–171, 194, fig. 83 *Pericapritermes semarangi*; imago, soldier described and figured; key; distribution. Bangladesh.
- Roonwal and Verma, 1980b: 467, figs. 4W-Y Pericapritermes semarangi; wings described; wing microsculpturing.
- Thapa, 1982: 219–222, pl. 75 *Pericapritermes semarangi*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia; Thailand.
- Verma, 1983: 298, 299, 300 *Pericapritermes semarangi*; key; distribution. Bangladesh; Indonesia: Java, Sumatra; Malaysia: Sabah; Myanmar; Thailand.
- Abe, 1984: 70 Pericapritermes semarangi; biology; ecology; distribution. Indonesia: Java.
- Ahmad, 1986: 18 Pericapritermes semarangi; distribution. Bangladesh.
- Gao and Lam, 1986: 83 Pericapritermes semarangi; checklist; distribution. China.
- Huang et al., 1989: 513–514, fig. 383 *Pericapritermes semarangi*; imago, soldier described and figured. China.
- Gao et al., 1992a: 46 *Pericapritermes semarangi*; checklist; distribution. China: Guangdong, Yunnan.
- Thakur and Thakur, 1992: 282–286, fig. 25 *Pericapritermes semarangi*; synonymy; imago described and figured; distribution. Indonesia: Java.

- Tho, 1992: 116–117, 200, 207, figs. 48E, 50 *Pericapritermes semarangi*; soldier described and figured. Malaysia.
- Gu et al., 1995: 648 Pericapritermes semarangi; checklist. China: Hainan.
- Chhotani, 1997: 335–338, fig. 164 *Pericapritermes semarangi*; imago, soldier, worker described and figured; synonymy; key. Bangladesh; China; Indonesia; Malaysia; Thailand.
- Eggleton et al., 1998a: 119–128 *Pericapritermes ?semarangi*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Jones and Brendell, 1998: 79–91 Pericapritermes semarangi; checklist; feeding groups; ecology.
   Malaysia: Mainland.
- Eggleton et al., 1999b: 1795, table 1 Pericapritermes semarangi; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Pericapritermes semarangi*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Gathorne-Hardy et al., 2000a: 259 Pericapritermes semarangi; checklist; ecology; biogeography; distribution. Indonesia: Java, Sumatra.
- Hua, 2000: 28 *Pericapritermes semarangi*; listed. China: Guangdong, Hainan, Yunnan; Indonesia; Thailand.
- Huang et al., 2000: 752–754, fig. 455 *Pericapritermes semarangi*; imago, soldier described and figured. China.
- Gathorne-Hardy et al., 2001: 391 *Pericapritermes semarangi*; checklist; ecology; distribution. Indonesia: Sumatra.
- Inoue et al., 2001b: 41-52 Pericapritermes semarangi; biomass; feeding; distribution. Thailand.
- Ahmad and Akhtar, 2002: 63 *Pericapritermes semarangi*; catalog. Bangladesh; China; Indonesia: Java, Sumatra; Malaysia: Sabah; Mayanmar [sic].
- Homathevi et al., 2002: 234, table 1 *Pericapritermes semarangi*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Pericapritermes semarangi*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 121 *Pericapritermes semarangi*; checklist; distribution. Brunei; Indonesia: Java, Sumatra, Kalimantan; Malaysia: Mainland, Sabah.
- Ohkuma et al., 2004: 701–710 Pericapritermes semarangi; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Pericapritermes semarangi; checklist; distribution. Thailand.
- Inoue et al., 2006: 611, table 1 Pericapritermes semarangi; checklist; feeding groups; ecology; distribution. Thailand.

#### Capritermes javanicus Holmgren, 1913c: 255–256 (imago, worker).

Type data: Syntypes: ZIHS imagoes, workers, RMNH imagoes, workers, AMNH imagoes. Type locality: Indonesia: Java: Semarang.

- Bugnion, 1913d: 170 Capritermes javanicus; antennal articles. Indonesia: Java.
- Holmgren, 1913e: 25–26, pl. 4: fig. 11 *Capritermes javanicus*; erroneously described as n. sp.; imago, worker described; imago figured; remarks. Indonesia: Java.
- Kemner, 1934b: 10 Capritermes javanicus; synonymized with semarangi.

#### Capritermes sumatrensis John, 1925: 215–216 (soldier).

Type data: Syntype(s) (whereabouts unknown): soldier.

Type locality: Indonesia: Sumatra: east Sumatra: Kota Bahru.

- Snyder, 1949a: 198 Capritermes sumatrensis; catalog; reference list; synonymy. Sumatra.
- Krishna, 1968: 294 Capritermes sumatrensis; synonymized with semarangi.
- Roonwal, 1970c: 356 Pericapritermes sumatrensis; biology; distribution.
- © DISTRIBUTION: Oriental Region—Bangladesh; Brunei; China: Guangdong, Hainan, Yunnan; Indonesia: Java, Kalimantan, Sumatra; Malaysia: Mainland, Sabah; Myanmar; Thailand.

### Pericapritermes silvestrianus (Emerson, 1928)

Capritermes (Pericapritermes) silvestrianus Emerson, 1928b: 416 (imago) ["new name" (actually new species) for misidentified imagoes of Mirotermes (Cubitermes) schereri Rosen, 1912].

Type data: Syntypes: ZSM imagoes, AMNH imagoes, NHMM imagoes, FRI imago. Type locality: Liberia: Cape Mesurado.

- Rosen, 1912: 231–232 Mirotermes (Cubitermes) schereri [part]; imago described (soldier = schereri). Liberia.
- Silvestri, 1914a: 142 Pericapritermes Schereri [misidentification]; imago cited.
- Snyder, 1949a: 199 Pericapritermes silvestrianus; catalog; reference list. Liberia.
- Mathur and Thapa, 1962a: 116 Pericapritermes silvestrianus; collection catalog. Liberia.
- Krishna, 1968: 294 Pericapritermes silvestrianus; listed.
- Van Boven, 1969a: 45 Cubitermes schereri; types listed [imagoes = silvestrianus].
- Bouillon and Mathot, 1971: table: no. 105 Pericapritermes silvestrianus; measurements.
- Roonwal and Verma, 1980b: 467 Pericapritermes silvestrianus; wing microsculpturing.
- TISTRIBUTION: Ethiopian Region—Liberia.

### Pericapritermes speciosus (Haviland, 1898)

Termes speciosus Haviland, 1898: 413 (imago, soldier, worker).

Type data: Syntypes: CUMZ No. 294 imagoes, soldiers, workers, AMNH soldiers, workers, FRI worker.

Type locality: Malaysia: Borneo: Sarawak.

- Desneux, 1904b: 45, pl. 2: fig. 10 Termes (Eutermes) speciosus; reference list; soldier figured. Malaysia: Borneo.
- Holmgren, 1912a: 116, 117, pl. 4: fig. 17 *Capritermes (Capritermes) spiciosus* [sic]; listed; soldier figured; new combination. "Hinterindien."
- Holmgren, 1913c: 249, pl. 6: fig. 25 *Capritermes speciosus*; imago, soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo; Indonesia: Java.
- Bugnion, 1913d: 170 Capritermes speciosus; antennal articles. Malaysia: Sarawak.
- Green, 1913: 13 Capritermes speciosus; biology; locality. Sri Lanka.
- John, 1925: 414, 415 *Capritermes speciosus*; locality; imago description. Malaysia: Sarawak; Indonesia: Sumatra: Billiton.
- Margabandhu, 1934: 711 *Capritermes speciosus*; annotated reference list [Green's 1913 identification from Sri Lanka doubtful].
- Snyder, 1949a: 197 Capritermes speciosus; catalog; reference list. Borneo; Sumatra.
- Lal and Menon, 1953: 49 *Capritermes speciosus*; catalog; reference list. Malaysia: Sarawak; Indonesia: Sumatra [Sri Lanka doubtful].
- Ahmad, 1958: 184, 187 Capritermes speciosus; key.
- Mathur and Thapa, 1962a: 110 Capritermes speciosus; collection catalog. Malaysia.
- Harris, 1966a: 14 Capritermes speciosus; Haviland's types and type localities listed; biology.
- Krishna, 1968: 294 Pericapritermes speciosus; listed; new combination.
- Roonwal, 1970c: 356 Pericapritermes speciosus; biology; distribution.
- Mathot, 1979: 12 Pericapritermes speciosus; collection catalog; types listed.
- Collins, 1984: fig. 32 Pericapritermes speciosus; soldier figured.
- Tho, 1992: 114–115, 200, 207, fig. 47A *Pericapritermes speciosus*; soldier described and figured. Malaysia.
- Ahmad and Akhtar, 2002: 63 *Pericapritermes speciosus*; catalog. Malaysia: Sarawak [incorrect date of new combination].

- Jones and Prasetyo, 2002: 121, table 1 *Pericapritermes speciosus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 99, 122 *Pericapritermes speciosus*; synonymy; remarks; checklist; distribution. Indonesia: Kalimantan; Malaysia: Mainland, Sarawak.

Pericapritermes paraspeciosus Thapa, 1982: 216-218 (soldier, worker), pl. 74.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

Type Locality: Malaysia: Sabah: Lamag District: Sukau.

- Verma, 1983: 298 Pericapritermes paraspeciosus; listed; distribution. Malaysia: Sabah.
- Gathorne-Hardy et al., 2001: 391 Pericapritermes paraspeciosus; checklist; ecology; distribution.
   Indonesia: Sumatra.
- Gathorne-Hardy, 2004: 99 Pericapritermes paraspeciosus; remarks; synonymized with speciosus.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

### Pericapritermes tetraphilus (Silvestri, 1922)

Capritermes tetraphilus Silvestri, 1922: 543-545 (soldier, worker), fig. 6.

Type data: Syntypes: IEA soldiers, workers, AMNH soldier, workers.

Type Locality: Bangladesh: Chittagong Hill Tracts: Rangamati.

- Margabandhu, 1934: 711 Capritermes tetraphilus; annotated reference list.
- Snyder, 1949a: 198 Capritermes tetraphilus; catalog; reference list. India.
- Lal and Menon, 1953: 50 Capritermes tetraphilus; catalog; reference list. India.
- Ahmad, 1958: 188 Capritermes tetraphilus; key.
- Tsai and Chen, 1964b: 91, 94–95, figs. 44, 45 *Capritermes tetraphilus*; imago, soldier described and figured; key. China.
- Tsai and Chen, 1964a: 28, 31, 32, 35 Capritermes tetraphilus; distribution.
- Yu and Ping, 1964a: 21 Capritermes teatraphilus [sic]; listed.
- Krishna, 1965a: 2, 15–16 Pericapritermes tetraphilus; measurements; reference list; locality; new combination. Myanmar.
- Mathur and Thapa, 1965: 2, 12 Capritermes tetraphilus; checklist; ecology; localities. India.
- Krishna, 1968: 290 Pericapritermes tetraphilus; listed; synonymy.
- Roonwal, 1970c: 355 Pericapritermes tetraphilus; synonymy; distribution.
- Chaudhry et al., 1972: 65, fig. 79 *Pericapritermes tetraphilus*; synonymy; soldier measurements and figure; ecology; biology; distribution. Bangladesh.
- Sen-Sarma, 1974: 459 Pericapritermes tetraphilus; ecology and biogeography. India; Myanmar.
- Akhtar, 1975: 168, 172–175, 194, figs. 84, 85 *Pericapritermes tetraphilus*; imago (previously unknown), soldier described and figured; key; distribution. Bangladesh.
- Chhotani, 1977b: 372, pl. 8: fig. 3 *Pericapritermes tetraphilus*; measurements; distribution; biology. Bangladesh; India; Myanmar.
- Chhotani, 1977a: 33 Pericapritermes tetraphilus; distribution. Myanmar.
- Chhotani and Bose, 1979b: 21, fig. 3B *Pericapritermes tetraphilus*; nesting behavior and nests. India.
- Li, 1979: 68 Capritermes tetraphilus; listed. China.
- Maiti, 1983: 24, 87–89, fig. 27 *Pericapritermes tetraphilus*; key; synonymy; soldier described and figured; biology; distribution [incorrectly states imago unknown]. Bangladesh; India; Myanmar.
- Verma, 1983: 298, 299, 300 *Pericapritermes tetraphilus*; key; distribution. Bangladesh; India; Myanmar; Thailand.
- Ahmad, 1986: 18 Pericapritermes tetraphilus; distribution. Bangladesh.

- Gao and Lam, 1986: 83 Pericapritermes tetraphilus; checklist; distribution. China.
- Huang et al., 1989: 512–513, fig. 382 *Pericapritermes tetraphilus*; soldier described and figured; key. China.
- Gao et al., 1992a: 47 Pericapritermes tetraphilus; checklist; distribution. China: Guangdong, Yunnan, Zhejiang.
- Peng and Yin, 1992: 36, fig. 103 Pericapritermes tetraphilus; imago, soldier described; soldier figured. China: Yunnan.
- Tho, 1992: 207 Pericapritermes tetraphilus; listed.
- Maiti and Saha, 1993: 513, 520 Pericapritermes tetraphilus; key; distribution. India.
- Lin et al., 1994b: 7 Pericapritermes tetraphilus; checklist; distribution. China: Guangxi.
- Chhotani, 1995: 11 *Pericapritermes tetraphilus*; ecology; distribution. Bangladesh; India; Myanmar.
- Chhotani, 1997: 338–341, figs. 165–166, pl. 1a *Pericapritermes tetraphilus*; imago, soldier, worker described and figured; synonymy; key. Bangladesh; China; India; Myanmar.
- Bose, 1999: 32 Pericapritermes tetraphilus; key.
- Huang and Li, 1999: 312, 314, fig. 10.57 *Pericapritermes tetraphilus*; key; soldier described and figured; distribution. China: Fujian.
- Hua, 2000: 28 *Pericapritermes tetraphilus*; listed. China: Fujian, Guangdong, Guangxi, Jiangxi, Yunnan, Zhejiang; India.
- Huang et al., 2000: 754–755, fig. 456 *Pericapritermes tetraphilus*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 63 *Pericapritermes tetraphilus*; catalog. Bangladesh; China; India; Mayanmar [sic].
- Maiti et al., 2003: 243–244 *Pericapritermes tetraphilus*; key; synonymy; soldier measurements; biology; distribution. Bangladesh; China; India; Myanmar.
- Maiti et al., 2004: 156, 157 *Pericapritermes tetraphilus*; key; synonymy; soldier measurements; biology; distribution. Bangladesh; China; India; Myanmar.

Capritermes orientalis Mathur and Sen-Sarma, 1961b: 1-4 (soldier), fig. 1.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, AMNH soldiers. Type locality: Myanmar: Maymyo [22°05′N, 96°30′E].

- Mathur and Thapa, 1962a: 109 Capritermes orientalis; collection catalog. Myanmar.
- Krishna, 1965a: 15 Capritermes orientalis; synonymized with tetraphilus.
- © DISTRIBUTION: Oriental Region—Bangladesh; China: Fujian, Guangdong, Guangxi, Jiangxi, Yunnan, Zhejiang; India: Assam, Madhya Pradesh, Manipur, Sikkim, West Bengal; Myanmar (Burma).

# Pericapritermes topslipensis Thakur, 1976

Pericapritermes topslipensis Thakur, 1976c: 11–13 (soldier, worker), pls. 1–2.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, ZSI soldier, workers. Type locality: India: Tamil Nadu: South Coimbatore Forest Division: Topslip [10°50′N, 76°40′E].

- Sen-Sarma et al., 1975: 63 Pericapritermes topslipensis; nomen nudum.
- Chhotani, 1977a: 33 Pericapritermes topslipensis; distribution. India.
- Verma, 1983: 298, 300 Pericapritermes topslipensis; key; distribution. India.
- Bose, 1984: 151, 153, fig. 111 *Pericapritermes topslipensis*; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Thakur, 1989b: 362 Pericapritermes topslipensis; distribution. India.

- Chhotani, 1997: 341–343, fig. 167 *Pericapritermes topslipensis*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 63 Pericapritermes topslipensis; catalog. India.
- 🕙 DISTRIBUTION: Oriental Region—India: Karnataka, Tamil Nadu.

### Pericapritermes urgens Silvestri, 1914

# Pericapritermes urgens confinis Silvestri, 1914

Pericapritermes urgens confinis Silvestri, 1914a: 137 (soldier, worker).

Type data: Syntypes: NHRM soldiers, workers (Guinea: Camayenne), AMNH soldier, worker (Guinea: Camayenne), IEA soldiers, workers (Guinea: Camayenne), IEA soldiers, workers (Guinea: Kakoulima), IEA soldiers, workers (Guinea: Kindia).

Type localities: Guinea (French Guinea): Camayenne, Kakoulima, Kindia.

- Hegh, 1922: 502, 535, 702 Pericapritermes urgens var. confinis; biology; reference list; distribution.
- Sjöstedt, 1926d: 285 Pericapritermes urgens var. confinis; reference list; key; biology; locality.
- Snyder, 1949a: 199 Pericapritermes urgens var. confinis; catalog; reference list. Guinea.
- Krishna, 1968: 294 Pericapritermes urgens var. confinis; listed.
- Bouillon and Mathot, 1971: table: no. 307 Pericapritermes urgens var. confinis; measurements.
- TISTRIBUTION: Ethiopian Region—Guinea.

#### Pericapritermes urgens urgens Silvestri, 1914

Pericapritermes urgens Silvestri, 1914a: 135-137 (imago, queen, soldier, worker), fig. LXXX.

Type data: Syntypes: IEA queen, soldiers, workers (Guinea: Mamou), AMNH imagoes (Guinea: Mamou), NHRM imago (Guinea: Mamou), IEA soldiers, workers (Ghana: Aburi), IEA soldiers, workers (Cameroon: Victoria.

Type Localities: Cameroon: Victoria; Ghana (Gold Coast): Aburi; Guinea (French Guinea): Mamou.

- Hegh, 1922: 496, 500, 502, 535, 702 Pericapritermes urgens; biology; reference list; distribution.
- Sjöstedt, 1926d: 282, 283, 285, fig. 65 *Pericapritermes urgens*; soldier figured; reference list; key; biology; locality. Cameroon; Ghana; Guinea.
- Emerson, 1928b: 543, fig. 74 *Capritermes (Pericapritermes) urgens*; soldier described and figured; new combination. Cameroon.
- Snyder, 1949a: 199 Pericapritermes urgens; catalog; reference list. Cameroon; Ghana; Guinea.
- Ahmad, 1950: 84, fig. 17 Pericapritermes urgens; worker mandibles figured.
- Noirot, 1955b: 508–509, fig. 51 *Pericapritermes urgens*; soldier figured; caste development; polymorphism.
- Noirot and Kovoor, 1958: 470 Pericapritermes urgens; digestive tube anatomy.
- Gabe and Noirot, 1961a: 411-425 Pericapritermes urgens; oogenesis.
- Webb, 1961: fig. 32 Pericapritermes urgens; soldier figured.
- Mathur and Thapa, 1962a: 116 Pericapritermes urgens; collection catalog. Sierra Leone.
- Harris, 1963c: 17 Pericapritermes urgens; comparisons.
- Bouillon and Mathot, 1965: 46, 82, 83, pl. 9: fig. 19a *Pericapritermes urgens*; catalog; soldier figured. Ivory Coast.
- Bodot, 1968a: 229-258 Pericapritermes urgens; ecology. Ivory Coast.

- Gisler, 1967: 81, 123, 154, 155, 161 Pericapritermes urgens; protozoa; ecology. Ivory Coast.
- Krishna, 1968: 290, 294, figs. 20, 21A, 22 Pericapritermes urgens; listed.
- Bodot, 1969: 43, 44 Pericapritermes urgens; biology; ecology. Ivory Coast.
- Noirot and Noirot-Timothée, 1969: 68. fig. 3.8C Pericapritermes urgens; digestive tube figured.
- Bodot, 1971: 195-207, table 1 Pericapritermes urgens; ecology; distribution. Ivory Coast.
- Bouillon and Mathot, 1971: table: no. 307 Pericapritermes urgens; measurements.
- Roy-Noël, 1972: 210, tables 1, 3 Pericapritermes urgens; biology; ecology; distribution. Senegal; from Guinea to Cameroon.
- Roy-Noël, 1974b: 526–609 *Pericapritermes urgens*; biology; ecology; distribution. Cameroon; Guinea; Ivory Coast; Senegal.
- Morimoto, 1975b: 31, fig. 97 Pericapritermes urgens; soldier figured.
- Johnson et al., 1980: 59 Pericapritermes urgens; checklist; biology; distribution. Guinea; Nigeria.
- Sangare and Bodot, 1980: 131–141 *Pericapritermes urgens*; checklist; biology; distribution. Ivory Coast.
- Roy-Noël, 1982: 129, 134 Pericapritermes urgens; ecology; pest; distribution. Senegal.
- Wood et al., 1982: 25–39 Pericapritermes urgens; ecology; feeding and nesting habits; distribution. Nigeria.
- Sands, 1998: 263, 445, 446, figs. 1246–1248, 1259–1262, 1267–1270 Pericapritermes urgens; worker mandibles, gut figured; distribution. Ghana; Gambia; Nigeria and other localities in West Africa.
- Noirot, 2001: 437, fig. 6D Pericapritermes urgens; gut characters; figured.
- Tistribution: Ethiopian Region—Cameroon; Gambia; Ghana; Guinea; Ivory Coast (Côte d'Ivoire); Nigeria; Senegal.

# Pericapritermes wuzhishanensis (Li, 1982)

Capritermes wuzhishanensis Li, 1982: 444-449, 450 (imago, soldier), figs. 1, 3.

Type DATA: Holotype: GIEC soldier. Paratypes: GIEC imagoes, soldiers.

Type Locality: China: Hainan Island: Wuzhishan.

- Gao and Lam, 1986: 83 Pericapritermes wuzhishanensis; checklist; distribution; new combination.
   China.
- Huang et al., 1989: 525–526, figs. 393, 394 *Capritermes wuzhishanensis*; imago, soldier described and figured; key China: Hainan.
- Gao et al., 1992a: 47 Pericapritermes wuzhishanensis; checklist; distribution. China: Guangdong.
- Hua, 2000: 28 *Pericapritermes wuzhishanensis*; listed, with incorrect date [*Odontotermes wuzhishanensis*, a separate species, incorrectly cited as a synonym of *P. wuzhishanensis*]. China: Hainan.
- Huang et al., 2000: 755–757, fig. 457 *Pericapritermes wuzhishanensis*; imago, soldier described; soldier figured; key. China.
- Ahmad and Akhtar, 2002: 63 Pericapritermes wuzhishanensis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Hainan Island.

# Planicapritermes Emerson, 1949

Planicapritermes Emerson, 1949j: 202, 375.

Type species: Capritermes (Neocapritermes) planiceps Emerson, 1925 by original designation.

- Snyder, 1949a: 202 Planicapritermes; catalog; reference list.
- Emerson, 1955: 512 Planicapritermes; number of species; distribution.

- Weidner, 1955f: 73 Planicapritermes; number of species; distribution.
- Krishna, 1968: 316–319 *Planicapritermes*; synonymy; key; characters; phylogeny; species included; distribution.
- Araujo, 1970d: 535 *Planicapritermes*; distribution; number of species in Neotropical Region.
- Morimoto, 1975b: 31 Planicapritermes; key.
- Araujo, 1977c: 65 *Planicapritermes*; catalog.
- Mathews, 1977: 137–139 *Planicapritermes*; synonymy; characters; comparisons.
- Mill, 1983a: 180, 182 Planicapritermes; key; number of species in New World; habitat; distribution.
- Constantino, 1998a: 110–111 Planicapritermes; synonymy; characters.
- Constantino, 1998b: 207 Planicapritermes; catalog.
- Fontes and Monteiro, 1998: 26 Planicapritermes; etymology and pronunciation.
- Constantino, 1999a: 407, 419 Planicapritermes; key; biology; distribution.
- Constantino, 2002a: 24 Planicapritermes; key.

#### ▲ 2 species.

§ DISTRIBUTION: Neotropical Region.

### Planicapritermes longilabrum Constantino, 1998

*Planicapritermes longilabrum* Constantino, 1998a: 111–114 (soldier), figs. 1–7 [*see* errata for figure legends in Constantino 1999b].

Type data: Holotype: INPA soldier. Paratypes: INPA soldiers, MZUSP soldiers.

Type locality: Brazil: Amazonia: Balbina.

 Constantino, 1999b: 144 • Planicapritermes longilabrum; errata for figure legends in Constantino, 1998a.

TISTRIBUTION: Neotropical Region—Brazil.

# Planicapritermes planiceps (Emerson, 1925)

Capritermes (Neocapritermes) planiceps Emerson, 1925: 449-451 (soldier, worker), fig. 92.

Type data: Holotype: AMNH soldier. Paratypes: AMNH soldiers, workers, NHMM soldier, worker, FRI soldier, worker.

Type locality: Guyana (British Guiana): Kartabo.

- Snyder, 1926e: 70 Capritermes (Planicapritermes) planiceps; locality. Bolivia.
- Snyder, 1949a: 202 Planicapritermes planiceps; catalog; reference list; new combination. Bolivia; Guyana.
- Ahmad, 1950: 83, fig. 14 Planicapritermes planiceps; worker mandibles figured.
- Mathur and Thapa, 1962a: 116 Planicapritermes planiceps; collection catalog. Guyana.
- Krishna, 1968: 317 *Planicapritermes planiceps*; listed.
- Van Boven, 1969a: 46 Planicapritermes planiceps; types listed.
- Araujo, 1977c: 65 Planicapritermes planiceps; catalog. Bolivia; Brazil; Guyana; Suriname.
- Mathews, 1977: 139–140, figs. 72, 82, 83 *Planicapritermes planiceps*; imago, soldier described and figured. Brazil.
- Prestwich, 1984a: table 1 *Planicapritermes planiceps*; checklist; ecology; defense mode; chemicals; distribution.
- Bandeira, 1990: 225–241, table 1 *Planicapritermes planiceps*; ecology; distribution.
- Constantino, 1991c: 200 Planicapritermes planiceps; soldier figured; biology; locality. Brazil: Amazonia State.

- Constantino and Cancello, 1993: 405 Planicapritermes planiceps; distribution. Brazil: Amazonia.
- Constantino, 1998a: 114, 115, figs. 8–13 *Planicapritermes planiceps*; synonymy; digestive tube described and figured.
- Constantino, 1998b: 207 Planicapritermes planiceps; catalog. Bolivia; Brazil; Guianas.
- Fontes, 1998: 369 Planicapritermes planiceps; catalog; distribution. Brazil.
- Constantino, 1999a: figs. 128, 129 Planicapritermes planiceps; soldier figured.
- Constantino, 1999b: 144 Planicapritermes planiceps; errata for figure legends in Constantino 1998a.
- Constantino, 2002a: figs. 166-167 Planicapritermes planiceps; soldier figured.
- Davies, 2002: 241 Planicapritermes planiceps; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 Planicapritermes planiceps; checklist; ecology; feeding groups; distribution. French Guiana.
- 💲 DISTRIBUTION: Neotropical Region—Bolivia; Brazil: Amazonia; French Guiana; Guyana.

# Procapritermes Holmgren, 1912

#### Procapritermes Holmgren, 1912a: 113-114.

Type species: Termes setiger Haviland, 1898 by original designation.

- Haviland, 1898: 378, 414 Termes "section with T. setiger for type"; characters; key.
- Emerson, 1928b: 409 Procapritermes; distribution.
- Hare, 1937: 478, pl. 5 Procapritermes; Holmgren's phylogeny listed.
- Snyder, 1949a: 190 Procapritermes; catalog; reference list.
- Emerson, 1955: 512 *Procapritermes*; number of species; distribution.
- Weidner, 1955f: 73 Procapritermes; number of species; distribution.
- Ahmad, 1958: 87, 91 Procapritermes; key.
- Tsai and Chen, 1964b: 72, 73, 86 Procapritermes [part]; key; characters.
- Ahmad, 1965: 9 *Procapritermes*; imago, soldier described; key; synonymy; distribution. Thailand.
- Krishna, 1968: 294–304 *Procapritermes*; synonymy; key; characters; phylogeny; species included; distribution.
- Chaudhry et al., 1972: 66 *Procapritermes*; characters.
- Chhotani and Bose, 1973: 235 Procapritermes; distribution. Indian region.
- Sen-Sarma, 1974: 449, 458–459 Procapritermes; ecology and biogeography.
- Akhtar, 1975: 59, 60 Procapritermes; key.
- Morimoto, 1975b: 32 Procapritermes; key.
- Sen-Sarma et al., 1975: 2 Procapritermes; distribution and ecology. India.
- Morimoto, 1976b: 34 Procapritermes; remarks.
- Roonwal and Chhotani, 1977: 42, 43 Procapritermes; key.
- Abe, 1979: 128, 132 *Procapritermes*; ecology.
- Chhotani and Bose, 1979b: 21 Procapritermes; nesting behavior and nests. India.
- Lahiri and Ghosh, 1980: 65 Procapritermes; key.
- Ahmad and Akhtar, 1981: 2, 3 Procapritermes; key.
- Abe, 1984: 71 *Procapritermes*; distribution.
- Bose, 1984: 101, 103, 154 Procapritermes; key; synonymy; remarks.
- Collins, 1984: 78 Procapritermes; key.
- Chhotani, 1986: 23-24, 27 Procapritermes; Oriental Region distribution and zoogeography.
- Abe, 1987: 127 *Procapritermes*; ecology; nest distribution.
- Chhotani, 1987: 411, 417 Procapritermes; Oriental Region distribution and zoogeography.
- Maiti et al., 1995: 440 Procapritermes; key.
- Sornnuwat et al., 2004: 357, 359 Procapritermes; key, number of species. Thailand.

Malaysiocapritermes Ahmad and Akhtar, 1981: 8–10.

Type species: Procapritermes holmgreni Akhtar, 1975 by original designation.

- Chhotani, 1986: 23-24 Malaysiocapritermes; Oriental Region distribution and zoogeography.
- Chhotani, 1987: 411, 417 Malaysiocapritermes; Oriental Region distribution and zoogeography.
- Huang et al., 1989: 391, 493 Malaysiocapritermes; key; characters; distribution.
- Chhotani, 1997: 363–365, 375 Malaysiocapritermes; synonymy; characters; distribution and composition; key to species.
- Bose, 1999: 27, 143–144 *Malaysiocapritermes*; key; distribution.
- Huang et al., 2000: 546, 709–710 Malaysiocapritermes; key; characters; reference list; distribution.
- Gathorne-Hardy, 2004: 100–102 *Malaysiocapritermes*; synonymized with *Procapritermes*.
- ▲ 13 species.
- ♠ DISTRIBUTION: Oriental Region.

### **Procapritermes atypus** Holmgren, 1912

Procapritermes atypus Holmgren, 1912a: 113 (soldier [no description]), pl. 4: fig. 16.

Type data: Syntypes: ZIHS soldiers, AMNH soldiers.

Type locality: Malaysia: Borneo: Sarawak.

- Holmgren, 1913c: 241, pl. 6: fig. 19 *Procapritermes atypus* [erroneously described as n. sp.]; soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 170 Procapritermes atypus; antennal articles. Malaysia: Sarawak.
- John, 1925: 412 Procapritermes atypus; locality. Indonesia: Sumatra; Malaysia: Sarawak.
- Snyder, 1949a: 190 Procapritermes atypus; catalog; reference list. Borneo; Sumatra.
- Ahmad, 1958: 192 Procapritermes atypus; key.
- Ahmad, 1965: 105 Procapritermes atypus; comparisons.
- Krishna, 1968: 294, 298, 299, 300, figs. 25B, 30F *Procapritermes atypus*; listed; worker and soldier mandibles figured.
- Thapa, 1982: 192–195, pl. 65 *Procapritermes atypus*; soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Tho, 1992: 206 Procapritermes atypus; listed.
- Ahmad and Akhtar, 2002: 63 *Procapritermes atypus*; catalog. Indonesia: Sumatra; Malaysia: Sarawak.
- Jones and Prasetyo, 2002: 121, table 1 *Procapritermes atypus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 121 *Procapritermes atypus*; checklist; distribution. Indonesia: Sumatra, Kalimantan; Malaysia: Sarawak, Sabah.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Sabah, Sarawak.

# Procapritermes dakshinae (Chhotani and Ferry, 1995)

Malaysiocapritermes dakshinae Chhotani and Ferry, 1995: 21-22 (soldier, worker), figs. 1, 2.

Type data: Holotype: ZSI soldier. Paratypes: ZSI workers, ZSI soldier, workers [not type locality]. Type locality: India: Kerala: on road from Kolattupuzha to Nedumangad, vicinity of village Arippal [08°05′10″N, 77°01′50″E].

 Chhotani, 1997: 366–368, figs. 177–178 • Malaysiocapritermes dakshinae; soldier, worker described and figured; synonymy; key. India.

- Ahmad and Akhtar, 2002: 65 Malaysiocapritermes dakshinae; catalog. India.
- Krishna et al., this work Procapritermes dakshinae; new combination; though this species was not mentioned, dakshinae is automatically transferred to Procapritermes, as Gathorne-Hardy, 2004 synonymized Malaysiocapritermes with Procapritermes.
- ♠ DISTRIBUTION: Oriental Region—India: Kerala.

# Procapritermes holmgreni Akhtar, 1975

Procapritermes holmgreni Akhtar, 1975: 179-183 (imago, soldier, worker), figs. 88-89.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL imagoes, soldiers, ZUPL soldiers, workers, ZUPL soldiers, workers, FRIP imago, soldier, worker, USNM imago, soldier, worker, BMNH imago, soldier, worker, AMNH imago, soldier, worker [never received at AMNH].

Type Locality: Bangladesh: Dariadighi Forest.

- Chaudhry et al., 1972: 67 Procapritermes holmgreni; nomen nudum; ecology; distribution.
- Ahmad and Akhtar, 1981: 8, 10, fig. 9A *Malaysiocapritermes holmgreni*; enteric valve figured; new combination.
- Ahmad, 1986: 18 Procapritermes holmgreni; distribution. Bangladesh.
- Chhotani, 1997: 368–372, figs. 179–180 *Malaysiocapritermes holmgreni*; imago, soldier, worker described and figured; synonymy; key. Bangladesh; India.
- Bose, 1999: 75–76, fig. 26 *Malaysiocapritermes holmgreni*; synonymy; measurements; imago, soldier figured; distribution. Bangladesh; India.
- Ahmad and Akhtar, 2002: 65 Malaysiocapritermes holmgreni; catalog. Bangladesh.
- Gathorne-Hardy, 2004: 102 Procapritermes holmgreni; listed; transferred back to Procapritermes.
- 🔇 DISTRIBUTION: Oriental Region—Bangladesh; India: Arunachal Pradesh, Meghalaya.

# **Procapritermes huananensis** (Yu and Ping, 1966)

Homallotermes huananensis Yu and Ping, 1966: 130-133, 136 (soldier), fig. 4.

TYPE LOCALITY: China: Hainan Island: Tan-hsien.

- Krishna, 1972: 18 Procapritermes huananensis; discussion; new combination.
- Gao and Lam, 1986: 83 Procapritermes huananensis; checklist; distribution. China.
- Ping and Xu, 1986: 2, 16 Malaysiocapritermes huananensis; listed; new combination.
- Huang et al., 1989: 493–494, fig. 366 *Malaysiocapritermes huananensis*; soldier, worker described and figured. China: Guangxi, Hainan, Yunnan.
- Gao et al., 1992a: 45 *Malaysiocapritermes huananensis*; checklist; distribution. China: Guangdong, Guangxi.
- Lin et al., 1994b: 6 Malaysiocapritermes huananensis; checklist; distribution. China: Guangxi.
- Hua, 2000: 27 *Malaysiocapritermes huananensis*; listed; synonymy. China: Guangxi, Hainan, Yunnan.
- Huang et al., 2000: 711–712, fig. 428 *Malaysiocapritermes huananensis*; soldier, worker described and figured. China.
- Ahmad and Akhtar, 2002: 65 *Malaysiocapritermes huanensis* [sic]; catalog. China [also cited under *Procapritermes*].
- © DISTRIBUTION: Oriental Region—China: Guangdong, Guangxi, Hainan, Yunnan.

# Procapritermes keralai (Chhotani and Ferry, 1995)

Malaysiocapritermes keralai Chhotani and Ferry, 1995: 22-24 (soldier, worker), fig. 3.

TYPE DATA: Holotype: ZSI soldier. Paratype: ZSI worker.

Type locality: India: Kerala: 5 km from road from Kothamangalam to Munnar [10°03′N, 76°51′E].

- Chhotani, 1997: 372–374, fig. 181 Malaysiocapritermes keralai; soldier described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 65 Malaysiocapritermes keralai; catalog. India.
- Krishna et al., this work Procapritermes keralai; new combination; though this species was not mentioned, keralai is automatically transferred to Procapritermes, as Gathorne-Hardy, 2004 synonymized Malaysiocapritermes with Procapritermes.

© DISTRIBUTION: Oriental Region—India: Kerala.

# Procapritermes longignathus Ahmad, 1965

Procapritermes longignathus Ahmad, 1965: 105-106 (soldier, worker), fig. 112.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL workers.

Type locality: Thailand: Tung Sa-Lang Luang.

- Krishna, 1968: 303 Procapritermes longignathus; listed.
- Morimoto, 1973a: 78 Procapritermes longignathus; listed.
- Ahmad and Akhtar, 1981: fig. 9B Malaysiocapritermes longignathus; enteric valve figured; new combination.
- Tho, 1992: 206 Procapritermes longignathus; listed.
- Ahmad and Akhtar, 2002: 65 Malaysiocapritermes longignathus; catalog. Thailand.
- Gathorne-Hardy, 2004: 102 *Procapritermes longignathus*; listed; transferred back to *Procapritermes*; checklist; distribution. Malaysia: Mainland.
- Sornnuwat et al., 2004: 364 Procapritermes longignathus; checklist; distribution. Thailand.
- DISTRIBUTION: Oriental Region—Thailand.

# Procapritermes martyni Thapa, 1982

Procapritermes martyni Thapa, 1982: 195-197 (soldier, worker), pl. 66.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

Type locality: Malaysia: Sabah: Sandakan: North District, Labuk Road, mile 43.

DISTRIBUTION: Oriental Region—Malaysia: Sabah.

#### **Procapritermes minutus** (Haviland, 1898)

Termes minutus Haviland, 1898: 415-416 (soldier, worker.

Type data: Syntypes: CUMZ No. 570 soldiers, workers, AMNH soldiers, workers, FRI worker. Type locality: Malaysia: Borneo: Sarawak.

- Desneux, 1904b: 43 Termes (Eutermes) minutus; reference list. Malaysia: Borneo.
- Holmgren, 1912a: 113 Procapritermes minutus; listed; new combination. Malaysia: Borneo.
- Holmgren, 1913c: 241, pl. 6: fig. 18 *Procapritermes minutus*; soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 170 Procapritermes minutus; antennal articles. Malaysia: Sarawak.

- John, 1925: 412 Procapritermes minutus; locality. Malaysia: Mainland, Sarawak.
- Snyder, 1949a: 190 *Procapritermes minutus*; catalog; reference list. Borneo; Malaya.
- Ahmad, 1958: 193 Procapritermes minutus; key.
- Mathur and Thapa, 1962a: 116 Procapritermes minutus; collection catalog. Malaysia.
- Ahmad, 1965: 105 Procapritermes minutus; comparisons.
- Harris, 1966a: 14 Procapritermes minutus; Haviland's types and type localities listed.
- Krishna, 1968: 294, 299, 303 Procapritermes minutus; listed.
- Tho, 1992: 104, 199, 206 Procapritermes minutus; listed.
- Eggleton et al., 1998a: 119–128 *Procapritermes minutus*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 Procapritermes minutus; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi et al., 2002: 235, table 1 Procapritermes minutus; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Procapritermes minutus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 121 *Procapritermes minutus*; checklist; distribution. Indonesia: Kalimantan, Sumatra; Malaysia: Sabah, Sarawak.
- Gathorne-Hardy et al., 2006: 607, table 1 *Procapritermes minutus*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

# Procapritermes neosetiger Thapa, 1982

Procapritermes neosetiger Thapa, 1982: 197-201 (soldier, worker), pl. 67.

Түре дата: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

Type Locality: Malaysia: Sabah: Sandakan North: Kolapis Forest.

- Eggleton et al., 1998a: 119–128 Procapritermes neosetiger; checklist; feeding; nest; ecology.
   Malaysia: Sabah.
- Jones and Brendell, 1998: 79–91 *Procapritermes ?neosetiger*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Homathevi and Bignell, 1999: 124, table 1 *Procapritermes neosetiger*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi et al., 2002: 235, table 1 *Procapritermes neosetiger*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 Procapritermes neosetiger; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 121 *Procapritermes neosetiger*; checklist; distribution. Indonesia: Sumatra, Kalimantan; Malaysia: Sabah [1981 incorrect date].
- Gathorne-Hardy et al., 2006: 607, table 1 *Procapritermes neosetiger*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan [author's name misspelled].
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Malaysia: Sabah.

### Procapritermes prosetiger Ahmad, 1965

Procapritermes prosetiger Ahmad, 1965: 104–105 (soldier, worker), fig. 111.

Type data: Holotype: ZUPL soldier. Paratypes: AMNH soldiers, workers, ZUPL soldier, workers [not type locality], ZUPL soldiers, workers [not type locality].

Type locality: Thailand: Ka-Chong.

- Krishna, 1968: 298, 303, figs. 25C, 30A Procapritermes prosetiger; remarks; worker and soldier mandibles figured.
- Morimoto, 1973a: 78 Procapritermes prosetiger; listed.
- Morimoto, 1975b: 32, fig. 102a Procapritermes prosetiger; soldier mandibles figured.
- Ahmad and Akhtar, 1981: 8, 10 Malaysiocapritermes prosetiger; listed; new combination.
- Thapa, 1982: 201–203, pl. 68 *Procapritermes prosetiger*; soldier described and figured; synonymy; key. Malaysia; Thailand.
- Collins, 1984: 68 Procapritermes prosetiger; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 199, 206 Procapritermes prosetiger; listed.
- Eggleton et al., 1998a: 119–128 Malaysiocapritermes prosetiger; checklist; feeding; nest; ecology.
   Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 *Malaysiocapritermes prosetiger*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi and Bignell, 1999: 125, table 1 *Malaysiocapritermes prosetiger*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Inoue et al., 2001b: 41-52 Procapritermes prosetiger; biomass; feeding; distribution. Thailand.
- Ahmad and Akhtar, 2002: 65 Malaysiocapritermes prosetiger; catalog. China; Thailand.
- Homathevi et al., 2002: 235, table 1 *Malaysiocapritermes prosetiger*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Malaysiocapritermes prosetiger*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 102 *Procapritermes prosetiger*; listed; transferred back to *Procapritermes*; checklist; distribution. Indonesia: Siberut Island, Sumatra; Malaysia: Mainland, Borneo.
- Sornnuwat et al., 2004: 364 Procapritermes prosetiger; checklist; distribution. Thailand.
- Gathorne-Hardy et al., 2006: 607, table 1 *Procapritermes prosetiger*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- Inoue et al., 2006: 611, table 1 Procapritermes prosetiger; checklist; feeding groups; ecology; distribution. Thailand.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Malaysia: Sabah; Thailand.

# Procapritermes sandakanensis Thapa, 1982

Procapritermes sandakanensis Thapa, 1982: 203-204 (soldier, worker), pl. 69.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

Type Locality: Malaysia: Sabah: Sandakan North District: Labuk Road, mile 45.

- Eggleton et al., 1999b: 1795, table 1 *Procapritermes* near *sandakanensis*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy, 2004: 121 *Procapritermes sandakanensis*; checklist; distribution. Indonesia: Sumatra; Malaysia: Sabah [1981 incorrect date].
- © DISTRIBUTION: Oriental Region—Malaysia: Sabah.

### **Procapritermes setiger** (Haviland, 1898)

Termes setiger Haviland, 1898: 415 (imago, soldier, worker), pl. 25: figs. 57-60.

TYPE DATA: Syntypes: CUMZ No. 343 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldiers, workers, nymphs, FRI soldiers, workers, nymph.

Type locality: Malaysia: Borneo: Sarawak: Marudi.

- Desneux, 1904b: 45 Termes (Eutermes) setiger; reference list. Malaysia: Borneo.
- Holmgren, 1912a: 113, fig. 81, pl. 4: fig. 13 *Procapritermes setiger*; listed; soldier figured; new combination. Malaysia: Borneo.

- Holmgren, 1913c: 239, pl. 6: fig. 17 *Procapritermes setiger*; imago, soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 170 Procapritermes setiger; antennal articles. Malaysia: Sarawak.
- Holmgren, 1914: 278 Procapritermes setiger; locality. Malaysia: Mainland.
- John, 1925: 412 *Procapritermes setiger*; locality; nest. Indonesia: Sumatra; Malaysia: Mainland, Sarawak.
- Snyder, 1949a: 190 Procapritermes setiger; catalog; reference list. Malaya; Borneo; Sumatra.
- Ahmad, 1950: 84, fig. 17 Procapritermes setiger; worker mandibles figured.
- Ahmad, 1958: 192 Procapritermes setiger; key.
- Mathur and Thapa, 1962a: 117 Procapritermes setiger; collection catalog. Malaysia.
- Ahmad, 1965: 105 Procapritermes setiger; comparisons.
- Harris, 1966a: 14 Procapritermes setiger; Haviland's types and type localities listed; biology.
- Krishna, 1968: 294, 296, 299, 303, figs. 23, 25A, 28, 30B *Procapritermes setiger*; listed; worker mandibles, imago, soldier figured.
- Roonwal, 1970c: 352 Procapritermes setiger; biology; distribution.
- Morimoto, 1975b: 32, fig. 101 Procapritermes setiger; soldier figured.
- Collins, 1984: 68, 71, fig. 30 *Procapritermes setiger*; soldier figured; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 102, 199, 206, fig. 40A Procapritermes setiger; soldier described and figured. Malaysia.
- Jones and Brendell, 1998: 79–91 *Procapritermes setiger*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Eggleton et al., 1999b: 1795, table 1 Procapritermes setiger; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Ahmad and Akhtar, 2002: 64 *Procapritermes setiger*; catalog. Indonesia: Sumatra; Malaysia: Mainland, Sarawak.
- Gathorne-Hardy, 2004: 121 *Procapritermes setiger*; checklist; distribution. Indonesia: Sumatra; Malaysia: Mainland, Sabah, Sarawak.
- © DISTRIBUTION: Oriental Region—Malaysia: Mainland, Sabah, Sarawak; Indonesia: Sumatra.

# Procapritermes zhangfengensis (Yang, Zhu, and Huang, 1995)

Malaysiocapritermes zhangfengensis Yang et al., 1995: 79-80, 82 (soldier), figs. 1-7.

 $\ensuremath{\mathsf{TYPE}}$  DATA: Holotype: KIZK 82 X 60157 soldier. Paratypes: KIZK soldiers, workers.

Type Locality: China: Yunnan Province: Longchuan County: Zhangfeng.

- Huang et al., 2000: 712–713, fig. 429 *Malaysiocapritermes zhangfengensis*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 65 Malaysiocapritermes zhanfongensis [sic]; catalog. China.
- Krishna et al., this work Procapritermes zhangfengensis; new combination; though this species
  is not mentioned, zhangfengensis is automatically transferred to Procapritermes, as GathorneHardy, 2004 synonymized Malaysiocapritermes with Procapritermes.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

# Prohamitermes Holmgren, 1912

Prohamitermes Holmgren, 1912a: 76, 78-82.

Type species: *Termes mirabilis* Haviland, 1898 by subsequent designation; see Snyder, 1949a: 101 [*Prohamitermes mirabilis* designated as type species].

— Emerson, 1928b: 407 • Prohamitermes; distribution.

- Snyder, 1949a: 101 Prohamitermes; catalog; reference list.
- Emerson, 1955: 510 Prohamitermes; number of species; distribution.
- Weidner, 1955f: 72 Prohamitermes; number of species; distribution.
- Ahmad, 1958: 85, 90 Prohamitermes; key.
- Morimoto, 1975b: 30 Prohamitermes; key.
- Collins, 1984: 78 Prohamitermes; key.
- Chhotani, 1987: 408, 416 *Prohamitermes*; Oriental Region distribution and zoogeography.
- Sornnuwat et al., 2004: 357, 359 *Prohamitermes*; key, number of species. Thailand.
- ▲ 2 species.
- **©** DISTRIBUTION: Oriental Region.

# Prohamitermes hosei (Desneux, 1906)

#### Prohamitermes hosei hosei (Desneux, 1906)

Termes hosei Desneux, 1906a: 356-357 (imago, soldier, worker) [described as "Hosei"].

Type data: Syntypes: RIB imagoes, soldiers, workers, AMNH imagoes, soldiers.

Type Locality: Malaysia: Borneo: Sarawak.

- Holmgren, 1912a: 79, pl. 4: fig. 18 *Prohamitermes Hosei*; listed; soldier figured. Malaysia: Borneo.
- Holmgren, 1913c: 220, pl. 8: fig. 14 Prohamitermes Hosei; imago, soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 170 Prohamitermes Hosei; antennal articles. Malaysia: Sarawak.
- Snyder, 1949a: 101 Prohamitermes hosei; catalog; reference list. Borneo.
- Ahmad, 1958: 176 Prohamitermes hosei; key.
- Morimoto, 1976b: 27 Prohamitermes hosei; listed; distribution.
- Mathot, 1978: 57 Prohamitermes hosei; collection catalog; types listed.
- Collins, 1984: 67, 70 Prohamitermes hosei; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 205 Prohamitermes hosei; listed.
- Noirot, 2001: 437, fig. 6L Prohamitermes hosei; gut characters; figured.
- Ahmad and Akhtar, 2002: 58 Prohamitermes hosei; catalog. Indonesia: Kalamentan [sic].
- Jones and Prasetyo, 2002: 121, table 1 *Prohamitermes hosei*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 119 *Prohamitermes hosei*; checklist; distribution. Indonesia: Kalimantan; Malaysia: Sabah, Sarawak.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Malaysia: Sarawak.

### **Prohamitermes hosei minor** Thapa, 1982

Prohamitermes hosei minor Thapa, 1982: 148-150 (soldier, worker), pl. 50.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

Type Locality: Malaysia: Sabah: Keningau District: Tambunan.

- Homathevi et al., 2002: 234, table 1 *Prohamitermes hosei minor*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- © DISTRIBUTION: Oriental Region—Malaysia: Sabah.

### **Prohamitermes mirabilis** (Haviland, 1898)

Termes mirabilis Haviland, 1898: 407-408 (imago, soldier, worker).

Type data: Syntypes: CUMZ No. 469 imagoes, soldiers, workers, CUMZ No. 469 imagoes, soldiers, workers, AMNH queen, imagoes, soldiers, workers, ZSM soldiers, workers, BMNH imagoes, soldiers, workers, FRI workers.

Type localities: Singapore; Malaysia: Borneo: Sarawak: Mt. Lambir; Malaysia: Borneo: Sarawak: Mt. Lambir.

- Desneux, 1904b: 43 Termes (Eutermes) mirabilis; listed.
- Holmgren, 1912a: 79, figs. 49, 50, pl. 4: fig. 19 *Prohamitermes mirabilis*; listed; imago mandibles, soldier figured; new combination. Malaysia: Borneo.
- Holmgren, 1913c: 219, pl. 8: fig. 15 Prohamitermes mirabilis; imago, soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo; Singapore.
- Bugnion, 1913d: 169 Prohamitermes mirabilis; antennal articles. Malaysia: Mainland, Sarawak.
- John, 1925: 406–407, pl. 22: figs. 22, 23 *Prohamitermes mirabilis*; nest described and figured; locality. Indonesia: Sumatra; Malaysia: Sarawak; Singapore.
- Snyder, 1949a: 102 Prohamitermes mirabilis; catalog; reference list. Borneo; Malaya; Sumatra.
- Ahmad, 1950: 83, fig. 13 Prohamitermes mirabilis; worker mandibles figured.
- Ahmad, 1958: 176 Prohamitermes mirabilis; key.
- Mathur and Thapa, 1962a: 49 Prohamitermes mirabilis; collection catalog. Malaysia.
- Harris, 1966a: 13 Prohamitermes mirabilis; Haviland's types and type localities listed; biology.
- Morimoto, 1975b: 30, fig. 88 Prohamitermes mirabilis; soldier figured.
- Morimoto, 1976b: 27 Prohamitermes mirabilis; listed; distribution.
- Tho, 1981: 236–238 Prohamitermes mirabilis; defensive behavior.
- Thapa, 1982: 151–154, pl. 51 *Prohamitermes mirabilis*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia; Singapore.
- Collins, 1984: 67, 70, fig. 25, pl. 7B *Prohamitermes mirabilis*; soldier, nest figured; ecology; distribution. Malaysia: Sarawak.
- Prestwich, 1984a: table 1 Prohamitermes mirabilis; checklist; ecology; defense mode; chemicals; distribution.
- Salick and Tho, 1984: 547-561 Prohamitermes mirabilis; ecology; rainforest. Malaysia: Mainland.
- Tho, 1992: 85, 198, 205, fig. 32A Prohamitermes mirabilis; soldier described and figured. Malaysia.
- Eggleton et al., 1998a: 119–128 *Prohamitermes mirabilis*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Jones and Brendell, 1998: 79–91 *Prohamitermes mirabilis*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Jones et al., 1998: 101, table 1 *Prohamitermes mirabilis*; checklist; feeding; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 Prohamitermes mirabilis; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Homathevi and Bignell, 1999: 124, table 1 *Prohamitermes mirabilis*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Prohamitermes mirabilis*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Jones, 2000: 271–286 Prohamitermes mirabilis; checklist; biology; ecology. Malaysia: Sabah.
- Gathorne-Hardy et al., 2001: 391 *Prohamitermes mirabilis*; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 58 *Prohamitermes mirabilis*; catalog. Indonesia: Sumatra; Malaysia: Sarawak; Singapore.
- Homathevi et al., 2002: 234, table 1 *Prohamitermes mirabilis*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.

- Jones and Prasetyo, 2002: 120, table 1 *Prohamitermes mirabilis*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 119 Prohamitermes mirabilis; checklist; distribution. Throughout Sunda region.
- Sornnuwat et al., 2004: 364 Prohamitermes mirabilis; checklist; distribution. Thailand.
- Gathorne-Hardy et al., 2006: 607, table 1 *Prohamitermes mirabilis*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak; Singapore.

## Promirotermes Silvestri, 1914

# Promirotermes Silvestri, 1914a: 131-132.

Type species: *Mirotermes holmgreni* Silvestri, 1912 by original designation.

- Sjöstedt, 1926d: 278 Promirotermes; reference list; imago characters.
- Emerson, 1928b: 408, 420, 541 Mirotermes (Promirotermes); key; distribution; discussion.
- Harris, 1941: 202 Promirotermes; key.
- Tembrock, 1944: fig. 36 Promirotermes; map; species distribution.
- Snyder, 1949a: 188 Promirotermes; catalog; reference list.
- Emerson, 1955: 512 Promirotermes; number of species; distribution.
- Weidner, 1955f: 73 Promirotermes; number of species; distribution.
- Noirot and Kovoor, 1958: 451, 452, 454, 455, 462, 468 Promirotermes; digestive tube anatomy.
- Webb, 1961: 12 Promirotermes; key.
- Coaton, 1962b: 45, fig. 15 Promirotermes; distribution. Botswana; Lesotho; South Africa.
- Bouillon and Mathot, 1965: 31, 110, 111, pl. 23: fig. 74b *Promirotermes*; key; characters; imago/worker mandibles figured.
- Bouillon and Mathot, 1966: 4 *Promirotermes*; species included.
- Bouillon and Mathot, 1971: table Promirotermes; number of species in Ethiopian Region; soldier measurements.
- Coaton and Sheasby, 1972: 25, 77, 101, figs. 18A–B, 47 *Promirotermes*; soldier figured; key; ecology; biology; distribution. Namibia.
- Morimoto, 1975b: 37 Promirotermes; key.
- Roonwal and Verma, 1980b: 468 Promirotermes; wing microsculpturing.
- Roonwal, 1983b: 365 Promirotermes; wing microsculpturing.
- Sands, 1998: 34, 256–258, figs. 1194–1219 *Promirotermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- Uys, 2002: 68, 89–90, fig. 219 Promirotermes; key; species included; diagnosis; biology; distribution. South Africa.

# ▲ 10 species.

TISTRIBUTION: Ethiopian Region.

#### **Promirotermes bechuana** (Fuller, 1922)

#### Hamitermes bechuana Fuller, 1922: 128 (imago).

Type data: Lectotype: NCIP imago ♀. Paralectotypes: NCIP imagoes, workers, AMNH imagoes, workers, FRI imago, worker.

LECTOTYPE DESIGNATION: Ruelle, 1975b: 10 "Hololectotype" [= lectotype] designated.

Type Locality: South Africa: Greefdale.

- Sjöstedt, 1926d: 190 *Amitermes bechuana*; reference list; locality; new combination. South Africa.
- Snyder, 1949a: 114 Amitermes bechuana; catalog; reference list. South Africa.
- Mathur and Thapa, 1962a: 37, 118 Promirotermes bechuana; collection catalog; new combination. South Africa.
- Bouillon and Mathot, 1965: 41 Amitermes bechuana; listed; remarks.
- Bouillon and Mathot, 1971: 11, table: no. 324 *Promirotermes bechuana*; catalog; synonymy; distribution. South Afrca.
- Ruelle, 1975b: 10 Promirotermes bechuana; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

### Promirotermes bellicosi (Wasmann, 1912)

Mirotermes bellicosi Wasmann, 1912c: 85 (soldier, worker).

Type data: Syntypes: NHMM soldier, workers.

Type locality: Tanzania (East Africa): Moschi (Kilimanjaro) [03°20′S, 37°21′E].

- Schmitz, 1917: 229 Promirotermes bellicosi; comparisons; new combination.
- Hegh, 1922: 538, 699 Mirotermes bellicosi; reference list; distribution.
- Sjöstedt, 1926d: 279, 280 *Promirotermes bellicosi*; reference list; key; biology; locality. Tanzania.
- Harris, 1936: 368 Promirotermes bellicosi; distribution. Tanzania.
- Harris, 1941: 204 Promirotermes bellicosi; distribution.
- Snyder, 1949a: 188 Promirotermes bellicosi; catalog; reference list. Tanzania.
- Kemp, 1955: 115, 117, 129 *Promirotermes bellicosi*; ecology; distribution based on vegetation zones. Tanzania.
- Weidner, 1960b: 38 Promirotermes bellicosi; comparisons.
- Van Boven, 1969a: 46 Promirotermes bellicosi; types listed.
- Bouillon, 1970: 233 Promirotermes bellicosi; flight records. Tanzania.
- Bouillon and Mathot, 1971: table: no. 325 Promirotermes bellicosi; listed.
- Wanyonyi et al., 1984: 5 Promirotermes bellicosi; checklist; distribution. Kenya; Tanzania.
- Tanzania.

#### **Promirotermes dumisae** (Fuller, 1925)

Mirotermes (Mirotermes) dumisae Fuller, 1925b: 178-179 (imago, soldier).

Type data: Lectotype: NCIP soldier. Paralectotypes: NCIP imagoes, soldier, workers, AMNH imago, soldier, worker.

Lectotype designation: Ruelle, 1975b: 10 "Hololectotype" [= lectotype] designated.

Type locality: South Africa: Natal: High Flats: Dumisa [30°20′S, 30°35′E].

- Emerson, 1928b: 537, 541 Mirotermes (Promirotermes) dumisae; remarks.
- Snyder, 1949a: 188 *Promirotermes dumisae*; catalog; reference list; new combination. South Africa.
- Bouillon and Mathot, 1971: table: no. 326 Promirotermes dumisae; measurements.
- Ruelle, 1975b: 10 *Promirotermes dumisae*; types listed.
- TISTRIBUTION: Ethiopian Region—South Africa.

### **Promirotermes gracilipes** Schmitz, 1917

Promirotermes gracilipes Schmitz, 1917: 227–230 (imago, soldier, worker), fig. 2.

Type data: Syntypes: AMNH imagoes, soldiers, workers, NCIP imago, soldiers, worker [incorrectly cited as paratype by Ruelle, 1975b], FRI imago, soldiers, worker.

Type locality: Congo-Zaire (Belgian Congo): Kisangani (Stanleyville) [00°33′N, 25°14′E]

- Hegh, 1922: 701 *Promirotermes gracilipes*; reference list; distribution.
- Sjöstedt, 1926d: 278, 280 Promirotermes gracilipes; reference list; key; locality. Congo-Zaire.
- Snyder, 1949a: 188 Promirotermes gracilipes; catalog; reference list. Congo-Zaire.
- Mathur and Thapa, 1962a: 118 *Promirotermes gracilipes*; collection catalog. Congo.
- Bouillon and Mathot, 1971: table: no. 327 *Promirotermes gracilipes*; measurements.
- Ruelle, 1975b: 10 Promirotermes gracilipes; types listed.
- Roonwal and Verma, 1980b: 464 Promirotermes gracilipes; wing microsculpturing.
- Wanyonyi et al., 1984: 5 Promirotermes gracilipes; checklist; distribution. Kenya; Uganda.
- Sands, 1998: 258, 442, figs. 1214–1216 *Promirotermes gracilipes*; gut figured; distribution. Uganda.
- Tistribution: Ethiopian Region—Congo-Zaire; Kenya; Uganda.

### Promirotermes holmgreni (Silvestri, 1912)

### Promirotermes holmgreni holmgreni (Silvestri, 1912)

*Mirotermes holmgreni* Silvestri, 1912a: 252–254 (imago, soldier, worker), fig. XIX [described as "*Holmgreni*"].

Type data: Syntypes: IEA imagoes, soldiers, workers, AMNH imago, soldier, worker, MCG imago, soldier.

Type locality: Guinea-Bissau (Portuguese Guinea): Bolama.

- Silvestri, 1914a: 132, fig. 78 *Promirotermes Holmgreni*; imago mandible, soldier leg, labrum figured; characters; biology; locality; new combination. Guinea-Bissau; Nigeria.
- Hegh, 1922: 501, 626, 701 *Promirotermes Holmgreni*; biology; reference list; distribution.
- Sjöstedt, 1926d: 278, 279, fig. 62 *Promirotermes Holmgreni*; reference list; key; biology; locality. Guinea-Bissau; Nigeria [figure = *redundans* fide Emerson].
- Snyder, 1949a: 188 Promirotermes holmgreni; catalog; reference list; synonymy. Ghana; Guinea-Bissau; Nigeria.
- Emerson, 1950: 9 Promirotermes holmgreni; comparisons.
- Ahmad, 1950: 84, fig. 16 Promirotermes holmgreni; worker mandibles figured.
- Noirot and Kovoor, 1958: 470 Promirotermes holmgreni; digestive tube anatomy.
- Webb, 1961: 34 *Promirotermes holmgreni*; soldier figured.
- Mathur and Thapa, 1962a: 118 Promirotermes holmgreni; collection catalog. Ghana.
- Harris, 1963c: 20 Promirotermes holmgreni; comparisons.
- Bouillon and Mathot, 1965: 45 Promirotermes holmgreni; catalog. Ivory Coast.
- Roy-Noël, 1969b: 135, 136, 140, 142, 160, 161, 162, pl. 4 Promirotermes holmgreni;
   measurements; distribution; ecology; biology. Ghana; Guinea-Bissau; Nigeria; Senegal.
- Bouillon and Mathot, 1971: 11, table: no. 327 *Promirotermes holmgreni*; catalog; measurements; distribution. Senegal.
- Morimoto, 1975b: 35, fig. 125 Promirotermes holmgreni; soldier figured.
- Johnson et al., 1980: 60 Promirotermes holmgreni; checklist; biology; distribution. Nigeria.
- Medler, 1980: 56 Promirotermes holmgreni; checklist. Nigeria.
- Roonwal and Verma, 1980b: 464, figs. 4F-H Promirotermes holmgreni; wings described; wing microsculpturing.

- Wood et al., 1982: 25–39 Promirotermes holmgreni; ecology; feeding and nesting habits; distribution. Nigeria.
- Raineri et al., 1993: 530 Mirotermes holmgreni; collection catalog; types listed.
- Sands, 1998: 258, 441, 442, figs. 1194–1196, 1203–1206, 1209–1212 Promirotermes holmgreni; worker mandibles, gut figured; distribution. Ghana; Nigeria; and other localities in West Africa.

Promirotermes gracilipes minor Sjöstedt, 1926c: 244 (soldier).

Type data: Syntypes: BMNH soldiers, workers, NHRM soldiers, workers, NCIP imagoes, soldiers, workers [incorrectly cited as paratypes by Ruelle, 1975b], AMNH soldiers, workers.

Type locality: Ghana: Accra.

- Snyder, 1949a: 188 Promirotermes gracilipes minor; synonymized with holmgreni.
- Ruelle, 1975b: 10 Promirotermes minor; types listed.
- Tistribution: Ethiopian Region—Ghana; Guinea-Bissau; Ivory Coast (Côte d'Ivoire); Nigeria; Senegal.

# Promirotermes holmgreni infera Silvestri, 1914

Promirotermes holmgreni infera Silvestri, 1914a: 133 (soldier, worker).

Type data: Syntypes: AMNH soldier, workers, IEA soldiers, workers.

Type locality: Senegal: Thies.

- Hegh, 1922: 501, 701 Promirotermes Holmgreni var. infera; biology; reference list; distribution.
- Sjöstedt, 1926d: 279 *Promirotermes Holmgreni* var. *infera*; reference list; biology; locality. Senegal.
- Snyder, 1949a: 189 Promirotermes holmgreni infera; catalog; reference list. Senegal.
- Bouillon and Mathot, 1971: table: no. 328 Promirotermes holmgreni var. infera; measurements.
- Roy-Noël, 1972: 209, tables 1, 3 *Promirotermes holmgreni infera*; biology; ecology; distribution. from Senegal to Nigeria.
- Roy-Noël, 1974b: 528 ff. *Promirotermes holmgreni infera*; biology; ecology; distribution. Ghana; Guinea-Bissau; Ivory Coast; Nigeria; Senegal.
- Roy-Noël, 1982: 129, 134 Promirotermes holmgreni infera; ecology; pest; distribution. Senegal.
- TISTRIBUTION: Ethiopian Region—Senegal; Nigeria.

#### **Promirotermes massaicus** (Sjöstedt, 1907)

Eutermes massaicus Sjöstedt, 1907a: 22-25 (imago, soldier, worker), pl. 4: figs. B1-B6.

Type data: Syntypes: NHRM imagoes, soldiers, workers, IEA imago, soldier, AMNH imago, soldier.

Type locality: Tanzania (Tanganyika): Kilimanjaro: Kibonoto [03°11′S, 37°06′E].

- Holmgren, 1912a: 108 Mirotermes (Cubitermes) massaicus; listed; new combination. Tanzania.
- Hegh, 1922: 83, 103, 499, 699 Mirotermes (Cubitermes) massaicus; biology; reference list; distribution.
- Sjöstedt, 1926d: 265, 266, 267 Ophiotermes massaicus; reference list; key; locality; new combination. Tanzania.
- Harris, 1936: 367 Ophiotermes massaicus; distribution. Tanzania.
- Harris, 1941: 204 Ophiotermes massaicus; distribution.
- Snyder, 1949a: 189 Promirotermes massaicus; catalog; reference list; new combination. Tanzania.

- Weidner, 1960b: 38 Promirotermes massaicus; soldier described; distribution. Tanzania; Uganda.
- Bouillon and Mathot, 1971: table: no. 329 Promirotermes massaicus; measurements.
- Nkunika, 1982: 114 Promirotermes massaicus; ecology; distribution. Zambia.
- Wanyonyi et al., 1984: 5 Promirotermes massaicus; checklist; distribution. Kenya; Tanzania.
- Sands, 1998: 258, 441, figs. 1197–1199 *Promirotermes massaicus*; worker mandibles figured; distribution. Kenya; Tanzania; and many other localities in East Africa.
- Darlington et al., 2001: 527-538 Promirotermes massaicus; ecology; distribution. Kenya.
- Tanzania; Uganda; Zambia.

### **Promirotermes orthoceps** (Emerson, 1928)

Mirotermes (Promirotermes) orthoceps Emerson, 1928b: 541–542 (soldier).

Type data: Holotype (whereabouts unknown): soldier [Emerson, 1928 stated that the holotype is in AMNH, but it is not in the collections nor listed on the file card for this species; it may be lost]. Paratypes: AMNH soldiers, workers, AMNH soldier [not type locality], NCIP soldiers, workers, FRI soldiers, workers, FRI soldier.

Type Locality: Congo-Zaire (Belgian Congo): Banana.

- Snyder, 1949a: 189 Promirotermes orthoceps; catalog; new combination. Congo-Zaire.
- Mathur and Thapa, 1962a: 118 Promirotermes orthoceps; collection catalog. Congo.
- Bouillon and Mathot, 1965: 110, 111, pl. 23: fig. 74a Promirotermes orthoceps; soldier figured.
- Bouillon and Mathot, 1971: table: no. 330 Promirotermes orthoceps; measurements.
- Mathot, 1974: 17 Promirotermes orthoceps; collection catalog; types listed.
- Ruelle, 1975b: 10 *Promirotermes orthoceps*; types listed.
- Raineri et al., 1993: 533 Mirotermes (Promirotermes) orthoceps; collection catalog; types listed.
- TISTRIBUTION: Ethiopian Region—Congo-Zaire.

### Promirotermes pygmaeus Harris, 1963

*Promirotermes pygmaeus* Harris, 1963c: 18–21 (imago, soldier, worker), figs. 11–14.

Type data: Holotype: RGMC alate &. Paratypes: BMNH soldiers, workers, PNCR soldier. Type locality: Congo-Zaire (Belgian Congo): Garamba [04°10′N, 29°40′E].

- Bouillon and Mathot, 1965: 45 Promirotermes pygmaeus; catalog. Congo-Zaire.
- Bouillon and Mathot, 1971: table: no. 331 *Promirotermes pygmaeus*; measurements.
- Sands, 1998: 258, 441, 442, figs. 1200–1202, 1217–1219 *Promirotermes pygmaeus*; worker mandibles, gut figured; distribution. Uganda; Malawi; and many localities in East Africa.
- TISTRIBUTION: Ethiopian Region—Congo-Zaire; Malawi; Uganda.

### Promirotermes redundans Silvestri, 1914

Promirotermes holmgreni redundans Silvestri, 1914a: 133 (soldier, worker), fig. LXXIX.

TYPE DATA: Syntypes: AMNH soldier, worker, IEA soldiers, workers.

Type locality: Guinea (French Guinea): Mamou.

- Hegh, 1922: 501, 701, fig. 354G *Promirotermes Holmgreni* var. *redundans*; biology; reference list; distribution.
- Sjöstedt, 1926d: 279 Promirotermes redundans; reference list; key; remarks; locality. Guinea.

- Snyder, 1949a: 189 Promirotermes redundans; catalog; reference list. Guinea.
- Bouillon and Mathot, 1971: table: no. 333 Promirotermes redundans; measurements.
- Roy-Noël, 1972: 210, tables 1, 3 *Promirotermes redundans*; biology; ecology; distribution. Guinea; Senegal.
- Roy-Noël, 1974b: 526–609 *Promirotermes redundans*; biology; ecology; distribution. Guinea; Senegal.
- Johnson et al., 1980: 60 Promirotermes redundans; checklist; biology; distribution. Nigeria.
- Roy-Noël, 1982: 129, 134 Promirotermes redundans; ecology; pest; distribution. Senegal.
- Sands, 1998: 258, 442, figs. 1207, 1209, 1213 *Promirotermes redundans*; gut figured; distribution. Gambia; Ghana; and many localities in West Africa.
- Eggleton et al., 2002a: 200, table 3 Promirotermes reductans [sic]; checklist; ecology; distribution. West Africa: Cameroon/Congo.
- TISTRIBUTION: Ethiopian Region—Gambia; Ghana; Guinea; Nigeria; Senegal.

### **Promirotermes rotundifrons** (Silvestri, 1908)

*Mirotermes rotundifrons* Silvestri, 1908: 78–80 (imago, soldier, worker), pl. 9: figs. 46, 47, pl. 10: figs. 48–53.

Type data: Syntypes: IEA imagoes, soldiers, workers, AMNH soldier, worker.

Type Locality: Botswana (Southwest Africa): Kalahari: Kooa.

- Silvestri, 1912a: 254 Mirotermes rotundatus [sic]; comparisons.
- Holmgren, 1912a: 109 Mirotermes (Mirotermes) rotundifrons; listed. Botswana.
- Hegh, 1922: 499, 700 Mirotermes rotundifrons; biology; reference list; distribution.
- Fuller, 1925b: 179–180, 216 *Mirotermes (Mirotermes) rotundifrons*; soldier described; key; locality. Botswana; South Africa.
- Sjöstedt, 1926d: 278, 279, 280 *Promirotermes rotundifrons*; reference list; key; locality; new combination. Botswana.
- Snyder, 1949a: 189 Promirotermes rotundifrons; catalog; reference list. South Africa.
- Johnson and Wood, 1980: 279-293 Promirotermes rotundifrons; checklist; ecology; distribution.
- TISTRIBUTION: Ethiopian Region—Botswana; South Africa.

# Protocapritermes Holmgren, 1912

*Protocapritermes* Holmgren, 1912a: 108, 109 [first introduced as a subgenus of *Mirotermes* Wasmann, 1897].

Type species: Mirotermes (Protocapritermes) krisiformis Froggatt, 1898 by monotypy.

- Emerson, 1928b: 408 Mirotermes (Protocapritermes); distribution.
- Hill, 1942: 14, 377–379, 414 Mirotermes (Protocapritermes); key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 187 Protocapritermes; catalog; reference list.
- Emerson, 1955: 512 *Protocapritermes*; number of species; distribution.
- Weidner, 1955f: 73 *Protocapritermes*; number of species; distribution.
- Calaby and Gay, 1959: 212 Protocapritermes; zoogeography; number of species.
- Krishna, 1968: 274 Protocapritermes; synonymy; key; characters; phylogeny; species included; distribution.
- Gay, 1971a: 34 Protocapritermes; listed; species included.
- Morimoto, 1975b: 32 Protocapritermes; key.
- Roonwal and Verma, 1980b: 468 Protocapritermes; wing microsculpturing.

- Roonwal, 1983b: 365 Protocapritermes; wing microsculpturing.
- Watson and Abbey, 1993b: 5 Protocapritermes; remarks; Australian species.
- Bourguignon et al., 2008: 4, 26 Protocapritermes; characters; key.

### ▲ 2 species.

🔇 DISTRIBUTION: Australian Region; Papuan Region.

### **Protocapritermes krisiformis** (Froggatt, 1898)

Termes krisiformis Froggatt, 1898: 732-733 (soldier, worker), pl. 34: figs. 6, 6a.

TYPE DATA: Lectotype: ANIC No. 9162 soldier. Paralectotypes: ANIC worker, NMV soldier, workers, AMNH soldier, workers.

LECTOTYPE DESIGNATION: Hill, 1942: 416.

Type locality: Australia: New South Wales: Sutherland, near Sydney.

- Desneux, 1904b: 43 Termes (Eutermes) krisiformis; reference list. Australia.
- Froggatt, 1905: 27, 32-33 Termes krisiformis; characters; locality. Australia.
- Holmgren, 1912a: 109, pl. 4: fig. 6 *Mirotermes (Protocapritermes) krisiformis*; listed; soldier figured; new combination. Australia.
- Mjöberg, 1920: 91 Mirotermes krisiformis; key.
- Hill, 1927a: 93, pl. 3: figs. 103, 104, pl. 6: fig. 200, pl. 9: fig. 201 Mirotermes krisiformis; characters; locality. Australia.
- Hill, 1942: 414–416, figs. 322–324 *Mirotermes (Protocapritermes) krisiformis*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Lever, 1943: 40 *Microtermes* [sic] (*Protocapritermes*) *trisiformis* [sic]; locality. Solomon Islands [identification doubtful].
- Snyder, 1949a: 188 *Protocapritermes krisiformis*; catalog; reference list; new combination. Australia.
- Ahmad, 1950: 84, fig. 17 Protocapritermes krisiformis; imago mandibles figured.
- Ratcliffe et al., 1952: 116–117 Mirotermes krisiformis; characters; biology; distribution.
- Roonwal and Pant, 1953: 60 Protocapritermes krisiformis; collection catalog. Australia.
- Noirot, 1956: 151 *Protocapritermes krisiformis*; supplementary reproductives.
- Mathur and Thapa, 1962a: 118 Protocapritermes krisiformis; collection catalog. Australia.
- Krishna, 1968: 274, 278, figs. 6, 7, 8 *Protocapritermes krisiformis*; listed, worker mandibles, imago, soldier figured.
- Gay and Calaby, 1970: 433-434 Protocapritermes krisiformis; biology; distribution. Australia.
- Gay, 1971a: 4, 9, 34, 35, fig. 9B *Protocapritermes krisiformis*; key; imago mandibles figured; biology; distribution. Australia.
- Morimoto, 1975b: 32, fig. 98 Protocapritermes krisiformis; soldier figured.
- Mathot, 1978: 57 Protocapritermes krisiformis; collection catalog; types listed.
- Roonwal and Verma, 1980b: 464–466, figs. 4I–K *Protocapritermes krisiformis*; wings described; wing microsculpturing.
- Thorne, 1985b: 328, table 1 *Protocapritermes krisiformis*; polygyny.
- Miller, 1991: 1277, figs. 214–217, 327–329, 374, 395 Protocapritermes krisiformis; imago, soldier figured. Australia.
- Watson and Abbey, 1993b: 138, fig. 237 Protocapritermes krisiformis; distribution map.
- Watson et al., 1998: 241 Protocapritermes krisiformis; catalog; synonymy; distribution; ecology.
   Australia.
- Noirot, 2001: 454 Protocapritermes krisiformis; gut characters; figured.
- Bourguignon et al., 2008: fig. 60 Protocapritermes krisiformis; worker gut figured.
- © DISTRIBUTION: Australian Region—Australia: New South Wales.

# Protocapritermes odontomachus (Desneux, 1905)

Termes (Eutermes) odontomachus Desneux, 1905: 371-374 (imago, soldier, worker), figs. 2, 3.

TYPE DATA: Syntypes: IEA imagoes, soldiers, workers, AMNH imago, soldiers, workers. Type locality: Papua New Guinea: Sattelberg.

- Holmgren, 1911b: 462 *Mirotermes odontomachus*; measurements; locality; new combination. Papua New Guinea.
- Holmgren, 1912a: 109 Mirotermes (Mirotermes) odontomachus; listed. New Guinea.
- Hill, 1927a: 40 Mirotermes odontomachus; locality. Papua New Guinea.
- Hill, 1942: 398–400, fig. 308 *Mirotermes (Mirotermes) odontomachus*; imago, soldier described and figured; synonymy; distribution; biology. Papua New Guinea.
- Lever, 1943: 40 *Microtermes* [sic] (*Protocapritermes*) trisiformis [misidentification]; see Harris and Brown, 1958: 745]; locality. Solomon Islands.
- Snyder, 1949a: 184 Termes odontomachus; catalog; reference list. Papua New Guinea.
- Harris and Brown, 1958: 737, 739, 740, 745, 747, fig. 12 *Termes odontomachus*; soldier figured; biology; key; locality. Solomon Islands.
- Harris, 1961a: fig. 23 Termes odontomachus; soldier figured.
- Bess, 1970: 474 Termes odontomachus; distribution. Papua New Guinea.
- Mathot, 1979: 9 Termes odontomachus; collection catalog; types listed.
- Bourguignon et al., 2008: 6–7, figs. 5–8, 45–46, 59, 65 *Protocapritermes odontomachus*; imago, soldier, worker described and figured; worker gut figured; new combination; distribution. Papua New Guinea; Solomon Islands.
- © DISTRIBUTION: Papuan Region—Papua New Guinea; Solomon Islands

# Protohamitermes Holmgren, 1912

Protohamitermes Holmgren, 1912a: 76, 77–78.

Type species: Protohamitermes globiceps Holmgren, 1912 by monotypy.

- Emerson, 1928b: 407 Protohamitermes; distribution.
- Snyder, 1949a: 101 Protohamitermes; catalog.
- Emerson, 1955: 510 Protohamitermes; number of species; distribution.
- Weidner, 1955f: 72 Protohamitermes; number of species; distribution.
- Ahmad, 1958: 84 Protohamitermes; key.
- Sen-Sarma, 1974: 455 Protohamitermes; ecology and biogeography.
- Morimoto, 1975b: 28 Protohamitermes; key.
- Ahmad, 1976: 112, 121–122 Protohamitermes; affinities; phylogeny.
- Chhotani, 1987: 408, 416 Protohamitermes; Oriental Region distribution and zoogeography.
- ▲ 1 species.
- 🐼 DISTRIBUTION: Oriental Region.

# Protohamitermes globiceps Holmgren, 1912

*Protohamitermes globiceps* Holmgren, 1912a: 77–78 (imago, worker), fig. 48, pl. 4: fig. 36 [no description, only figures].

Type data: Syntypes: ZIHS imagoes, workers, AMNH imagoes, workers, USNM imago, NCIP workers [incorrectly cited as paratypes by Ruelle, 1975b], FRI imago, workers, nymph. Type locality: Malaysia: Borneo: Sarawak.

- Holmgren, 1913c: 217, pl. 8: fig. 13 *Protohamitermes globiceps*; erroneously described as n. sp.; imago, worker described; imago figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 169 Protohamitermes globiceps; antennal articles. Malaysia: Sarawak.
- Snyder, 1949a: 101 *Protohamitermes globiceps*; catalog; reference list. Borneo.
- Ahmad, 1950: 83, fig. 12 Protohamitermes globiceps; imago mandibles figured.
- Ahmad, 1958: 162 Protohamitermes globiceps; key.
- Mathur and Thapa, 1962a: 49 Protohamitermes globiceps; collection catalog. Malaysia.
- Noirot and Noirot-Timothée, 1969: 66, fig. 3.7F Protohamitermes globiceps; digestive tube figured.
- Sen-Sarma, 1974: 455 Protohamitermes globiceps; ecology and biogeography. Indonesia.
- Ruelle, 1975b: 10 Protohamitermes globiceps; types listed.
- Ahmad, 1976: 106–111, figs. 2–4, 9A, 9B *Protohamitermes globiceps*; synonymy; imago described and figured; enteric valve figured; distribution. Malaysia: Sabah, Sarawak.
- Morimoto, 1976b: 27 Protohamitermes globiceps; listed; distribution.
- Collins, 1984: 67, 70, fig. 21 Protohamitermes globiceps; worker figured; ecology; distribution.
   Malaysia: Sarawak.
- Tho, 1992: 83, 198, 205, fig. 31 Protohamitermes globiceps; soldier described and figured. Malaysia.
- Jones et al., 1998: 101, table 1 Protohamitermes globiceps; checklist; feeding; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 *Protohamitermes globiceps*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones, 2000: 271–286 Protohamitermes globiceps; checklist; biology; ecology. Malaysia: Sabah.
- Noirot, 2001: 437, 454, figs. 6E, 7F, 12E Protohamitermes globiceps; gut characters, figured.
- Ahmad and Akhtar, 2002: 53 Protohamitermes globiceps; catalog. Malaysia: Mainland, Sarawak
- Jones and Prasetyo, 2002: 121, table 1 *Protohamitermes globiceps*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 119 *Protohamitermes globiceps*; checklist; distribution. Brunei; Indonesia: Kalimantan; Malaysia: Mainland, Sabah, Sarawak.
- © DISTRIBUTION: Oriental Region—Brunei; Indonesia: Kalimantan; Malaysia: Mainland, Sabah, Sarawak.

# Pseudhamitermes Noirot, 1966

Pseudhamitermes Noirot, 1966: 329-330.

Type species: Pseudohamitermes khmerensis Noirot, 1966 by original designation.

- Morimoto, 1975b: 29 Pseudhamitermes; key.
- Chhotani, 1987: 408, 416 Pseudhamitermes; Oriental Region distribution and zoogeography.
- ▲ 2 species.
- © DISTRIBUTION: Oriental Region.

### **Pseudhamitermes longignathus** (Ahmad, 1965)

Amitermes longignathus Ahmad, 1965: 72–73 (soldier), fig. 72.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, ZUPL soldiers [not type locality], AMNH soldiers.

Type locality: Thailand: Huay Yang.

- Morimoto, 1973a: 77 Amitermes longignathus; listed.
- Morimoto, 1976b: 28, fig. 53 Amitermes longignathus; soldier figured.
- Tho, 1992: 206 Amitermes longignathus; listed.
- Ahmad and Akhtar, 2002: 55 Amitermes longignathus; catalog. Thailand.
- Sornnuwat et al., 2004: 363 Amitermes longignathus; checklist; distribution. Thailand.
- Krishna et al., this work *Pseudhamitermes longignathus*; **new combination**.
- © DISTRIBUTION: Oriental Region—Thailand.

### Pseudhamitermes khmerensis Noirot, 1966

Pseudhamitermes khmerensis Noirot, 1966: 329-334 (soldier, worker), figs. 1-5.

Type data: Holotype: UPLE major soldier. Paratypes: UPLE major soldiers, minor soldier, workers, AMNH major soldier, workers, UPLE minor soldier, workers [not type locality], NCIP soldier.

TYPE LOCALITY: Vietnam: 35 km SW Phnom-Penh (route de Kampot).

- Morimoto, 1975b: 29, fig. 83 Pseudhamitermes khmerensis; imago/worker mandibles, soldier figured.
- Ruelle, 1975b: 10 Pseudhamitermes khmerensis; types listed.
- Morimoto, 1976b: 27 Pseudhamitermes khmerensis; listed; distribution.
- Ahmad and Akhtar, 2002: 55 Pseudhamitermes khuerensis [sic]; catalog. Cambodia.
- © DISTRIBUTION: Oriental Region—Vietnam.

# Pseudocapritermes Kemner, 1934

#### Pseudocapritermes Kemner, 1934b: 167-168.

Type species: *Pseudocapritermes silvaticus* Kemner, 1934 by original designation.

- Light, 1924: 53 Capritermes [part]; key.
- Snyder, 1949a: 191 Pseudocapritermes; catalog; reference list.
- Emerson, 1955: 512 Pseudocapritermes; number of species; distribution.
- Weidner, 1955f: 73 Pseudocapritermes; number of species; distribution.
- Ahmad, 1958: 87, 91 Pseudocapritermes; key.
- Roonwal and Chhotani, 1962a: 294 Pseudocapritermes; key.
- Ahmad, 1965: 9 Pseudocapritermes; key.
- Krishna, 1968: 294 *Pseudocapritermes* treated as a synonym of *Procapritermes*.
- Sen-Sarma et al., 1975: 9 Pseudocapritermes; distribution and ecology; key. India.
- Morimoto, 1976b: 34 Pseudocapritermes; remarks; synonymy.
- Ahmad and Akhtar, 1981: 2, 3, 13-14 Pseudocapritermes; key; cited as valid.
- Chhotani, 1986: 23-24, 27 Pseudocapritermes; Oriental Region distribution and zoogeography.
- Chhotani, 1987: 411, 417 Pseudocapritermes; Oriental Region distribution and zoogeography.
- Huang et al., 1989: 391, 515–516 Pseudocapritermes; key; characters; distribution.
- Thakur, 1989b: 353 Pseudocapritermes; ecology.
- Gao et al., 1996: 89, 108 Pseudocapritermes; key; characters; distribution.
- Chhotani, 1997: 374–377 *Pseudocapritermes*; synonymy; characters; distribution and composition; key to species.
- Bose, 1999: 26–27, 143–144 Pseudocapritermes; key; distribution.
- Huang and Li, 1999: 307, 314 Pseudocapritermes; key; characters.
- Huang et al., 2000: 547, 548, 757–759 Pseudocapritermes; key; characters; distribution; synonymy.
- Maiti et al., 2004: 155 Pseudocapritermes; key.

Coxocapritermes Ahmad and Akhtar, 1981: 3-5.

Type species: Coxocapritermes orientalis Ahmad and Akhtar, 1981 by original designation.

- Chhotani, 1987: 411, 416 Coxocapritermes; Oriental Region distribution and zoogeography.
- Gathorne-Hardy, 2004: 99, 100 Coxocapritermes; synonymized with Pseudocapritermes.
- ▲ 18 species.
- © DISTRIBUTION: Oriental Region.

# Pseudocapritermes angustignathus (Holmgren, 1914)

*Capritermes* (*Capritermes*) *angustignathus* Holmgren, 1914: 281–283 (imago, soldier, worker), pl. 7: fig. 24.

TYPE DATA: Syntypes: AMNH imago, soldier, worker.

Type locality: Malaysia (Malacca): Straits Settlements: Penang.

- Kemner, 1934b: 171 ?Capritermes angustignathus; remarks.
- Wheeler, 1936: 235 *Pseudocapritermes angustignathus*; ant ecological relationships; new combination.
- Snyder, 1949a: 192 Pseudocapritermes angustignathus; catalog; reference list. Malaya.
- Ahmad, 1958: 193 Pseudocapritermes angustignathus; key.
- Roonwal and Chhotani, 1962a: 323 Pseudocapritermes angustignathus; comparisons.
- Ahmad, 1965: 107, 108 Pseudocapritermes angustignathus.
- Krishna, 1968: 296, 299, 300, 303, figs. 24, 26B, 29, 30G *Procapritermes angustignathus*; listed; worker and soldier mandibles figured; new combination.
- Roonwal, 1970c: 354 Pseudocapritermes angustignathus; distribution.
- Salick and Tho, 1984: 547–561 *Procapritermes angustignathus*; ecology; rainforest. Malaysia: Mainland.
- Akhtar and Afzal, 1989: 187–190, fig. 1 Pseudocapritermes angustignathus; synonymy; soldier described and figured. Malaysia.
- Tho, 1992: 101, 199, fig. 39A *Procapritermes augustignathus* [sic]; soldier described and figured. Malaysia.
- Ahmad and Akhtar, 2002: 65 Pseudocapritermes angustignathus; catalog. Malaysia: Mainland.
- © DISTRIBUTION: Oriental Region—Malaysia: Mainland.

# Pseudocapritermes bhutanensis (Roonwal and Chhotani, 1977)

Procapritermes bhutanensis Roonwal and Chhotani, 1977: 60-62 (soldier), fig. 9.

Type data: Holotype: NHMB soldier [by monotypy].

Type locality: Bhutan: Thimpu, 2300-2500 m.

- Chhotani, 1977a: 33 *Procapritermes bhutanensis*; distribution. Bhutan.
- Roonwal, 1978a: 103, 104 Procapritermes bhutanensis; biology; distribution.
- Akhtar and Afzal, 1989: 187 Pseudocapritermes bhutanensis; listed; new combination.
- Chhotani, 1997: 377–379, fig. 182 *Pseudocapritermes bhutanensis*; soldier described and figured; synonymy; key. Bhutan.
- Ahmad and Akhtar, 2002: 65 Pseudocapritermes bhutanensis; catalog. Bhutan.
- © DISTRIBUTION: Oriental Region—Bhutan.

# Pseudocapritermes fletcheri (Holmgren and Holmgren, 1917)

Capritermes fletcheri Holmgren and Holmgren, 1917: 169 (soldier, worker).

Type data: Lectotype: ZSI No. 3320/H11 soldier. Paralectotypes: AMNH soldier, worker [these specimens are misidentified; = Dicuspiditermes incola fide Chhotani, 1993, but are still paralectotypes of fletcheri], ZSI No. 3321/H11 workers, ZSI soldier, worker [these specimens are misidentified; = Dicuspiditermes incola fide Chhotani, 1993, but are still paralectotypes of fletcheri], IARI workers, FRI soldiers, workers [these specimens are misidentified; = Dicuspiditermes incola fide Chhotani, 1993, but are still paralectotypes of fletcheri], IEA soldier, worker, ZMH soldiers, workers [these specimens are misidentified; = Dicuspiditermes incola fide Chhotani, 1993, but are still paralectotypes of fletcheri], NHRM soldiers, workers [locality needs to be checked; if from Bababudin Hills the specimens are both misidentified

*D. incola* and paralectotypes of *fletcheri*]. LECTOTYPE DESIGNATION: Chhotani, 1993: 297, 300.

Type Locality: India: Tamil Nadu, Anamalai Hills, about 4000 ft; see Chhotani, 1993: 297, 302.

- Margabandhu, 1934: 711 *Capritermes fletcheri* [part]: annotated reference list; locality. [Anamalai Hills only].
- Snyder, 1949a: 193 Capritermes fletcheri [part]; catalog; reference list. India.
- Lal and Menon, 1953: 47 Capritermes fletcheri [part]; catalog; reference list. India.
- Weidner, 1955e: 250 *Capritermes fletcheri* [= incola]; types listed.
- Ahmad, 1958: 190 Capritermes fletcheri; key.
- Krishna, 1965a: 17 Dicuspiditermes fletcheri; listed as a new combination [misidentification;
   D. incola; see Chhotani, 1993; 302].
- Weidner, 1966a: 217 Capritermes fletcheri [= incola]; types listed.
- Verma, 1985c: 10 Dicuspiditermes fletcheri [part]; listed. India.
- Thakur, 1989b: 362 Discuspiditermes fletcheri; distribution. India.
- Chhotani, 1993: 297–302, figs. 1–3 *Pseudocapritermes fletcheri*; soldier, worker described and figured; synonymy; distribution; new combination. India.
- Basappa and Rajagopal, 1996: 361 Discuspiditermes fletcher [sic]; ecology [probably = incola].
- Chhotani, 1997: 379–382, figs. 183–184 *Pseudocapritermes fletcheri*; soldier, worker described and figured; synonymy; key. India.
- Ahmad and Akhtar, 2002: 65 *Pseudocapritermes fletcheri*; catalog. India [also cited under *Pericapritermes*: incorrect genus, date of new combination, and locality].
- Roy, 2005: 140 Pseudocapritermes fletcheri; checklist; distribution. India.

Pseudocapritermes fontanellus Mathur and Thapa, 1961: 3-7 (soldier, worker), figs. 1, 2.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, AMNH soldiers, workers. Type locality: India: Tamil Nadu: Topslip.

- Mathur and Thapa, 1962a: 118 Pseudocapritermes fontanellus; collection catalog. India.
- Mathur and Thapa, 1965: 13 Pseudocapritermes fontanellus; listed.
- Krishna, 1968: 303 Procapritermes fontanellus; listed; new combination.
- Thakur and Chatterjee, 1969: 191 Pseudocapritermes fontanellus; comparisons.
- Roonwal, 1970c: 354 Pseudocapritermes fontanellus; distribution.
- Sen-Sarma, 1974: 459 Procapritermes fontanellus; ecology and biogeography. India.
- Chhotani, 1977a: 33 Procapritermes fontanellus; distribution. India.
- Roonwal, 1978c: 19 Procapritermes fontanellus; biology; distribution.
- Ahmad and Akhtar, 1981: 20 Pseudocapritermes fontanellus; listed.
- Bose, 1984: 155–157, fig. 112 Procapritermes fontanellus; key; synonymy; measurements; soldier figured; distribution; biology. India.
- Akhtar and Afzal, 1989: 187-188 Pseudocapritermes fontanellus; listed.
- Thakur, 1989b: 347, 362 Pseudocapritermes fontanelleus [sic]; distribution. India

- Ferry, 1992: 193-211 Pseudocapritermes fontanellus; ecology; distribution. India: Karnataka.
- Chhotani, 1993: 297 Pseudocapritermes fontanellus; synonymized with fletcheri.
- Noirot, 2001: 438, 454, figs. 7K, 12F Pseudocapritermes fontanellus; gut characters, figured.

Pseudocapritermes goanicus Thakur and Chatterjee, 1969: 189-192 (soldier, worker), figs. 1-8.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, ZSI soldiers, workers, AMNH soldiers, workers.

Type locality: India: Goa: South Goa Forest Division: Moleum Forest Range, towards Belagaon side, about 1 km from Moleum rest house.

- Sen-Sarma, 1974: 459 Procapritermes goanicus; ecology and biogeography. India.
- Sen-Sarma et al., 1975: 2, 63 *Pseudocapritermes goanicus*; inquilinism; distribution and ecology. India.
- Chhotani, 1977a: 33 Procapritermes goanicus; distribution. India.
- Ahmad and Akhtar, 1981: 20 Pseudocapritermes goanicus; listed.
- Bose, 1984: 155, 157–158 Procapritermes goanicus; key; synonymy; measurements; soldier figured; distribution; biology; new combination. India.
- Akhtar and Afzal, 1989: 187-188 Pseudocapritermes goanicus; listed.
- Thakur, 1989b: 347, 362 Pseudocapritermes goanicus; distribution. India.
- Chhotani, 1993: 297 Pseudocapritermes goanicus; synonymized with fletcheri.

Pseudocapritermes roonwali Verma, 1985a: 179-180 (soldier), fig. 1.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldier, FRI soldiers.

Type locality: India: Kerala: Kottavasal.

- Akhtar and Afzal, 1989: 187-188 Pseudocapritermes roonwali; listed.
- Chhotani, 1993: 297 Pseudocapritermes roonwali; synonymized with fletcheri.
- 🔇 DISTRIBUTION: Oriental Region—India: Goa, Karnataka, Kerala, Tamil Nadu.

# Pseudocapritermes jiangchengensis Yang, Zhu, and Huang, 1992

Pseudocapritermes jiangchengensis Yang et al., 1992: 127-129, 131 (soldier), figs.1-7.

Type data: Holotype: KIZK 90 VI 23171 soldier. Paratypes: KIZK soldiers, workers, NAP soldiers, workers.

Type locality: China: Yunnan: autonomous county of Jiangcheng Hani and Yi.

- Huang et al., 2000: 759–760, fig. 459 *Pseudocapritermes jiangchengensis*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 65 Pseudocapritermes jiangohengensis [sic]; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

### Pseudocapritermes karticki Bose, 1997

**Pseudocapritermes karticki** Bose *in* Chhotani, 1997: 382–384, fig. 185 [though her paper was not published until 1999, Chhotani clearly credited Bose as the author of this species (ICZN, 1999, art. 50.1.1) and referred to her paper as in press].

Type data: Holotype: ZSI soldier [inadvertent selection by citation of Bose's type data]. Paratypes: ZSI soldier, workers.

Type locality: India: Meghalaya: Mawphlong.

- Bose, 1999: 33, 69–72, fig. 24 *Pseudocapritermes karticki*; key; soldier, worker described and figured; species incorrectly cited as "n. sp." [see Bose *in* Chhotani, 1997: 382]. India.
- Ahmad and Akhtar, 2002: 65 Pseudocapritermes karticki; catalog. India.
- DISTRIBUTION: Oriental Region—India: Meghalaya.

### Pseudocapritermes kemneri Akhtar and Afzal, 1989

Pseudocapritermes kemneri Akhtar and Afzal, 1989: 190-193 (soldier, worker), fig. 2.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, worker.

Type locality: Malaysia: Quoin Hill [03°55′N, 117°50′E].

DISTRIBUTION: Oriental Region—Malaysia: Mainland.

## Pseudocapritermes largus Li and Huang, 1986

Pseudocapritermes largus Li and Huang, 1986: 29 (soldier), fig. 8.

TYPE DATA: Holotype: GIEC soldier? [holotype not mentioned in English section; ?syntypes].

Paratypes: GIEC soldiers.

Type locality: China: Meihuashan.

- Huang et al., 1989: 518, fig. 388 *Pseudocapritermes largus*; soldier described and figured; key. China.
- Gao et al., 1992a: 46 Pseudocapritermes largus; checklist; distribution. China: Fujian, Guangdong.
- Huang and Li, 1999: 315, fig. 10.60 *Pseudocapritermes largus*; key; soldier described and figured; distribution. China: Fujian.
- Hua, 2000: 28 Pseudocapritermes largus; listed. China: Fujian, Guangdong.
- Huang et al., 2000: 760–761, fig. 460 Pseudocapritermes largus; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 65 Pseudocapritermes largus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Fujian, Guangdong.

#### **Pseudocapritermes megacephalus** Akhtar and Afzal, 1989

Pseudocapritermes megacephalus Akhtar and Afzal, 1989: 193-195 (soldier, worker), fig. 3.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers.

Type locality: Malaysia: Matang [01°34′N, 110°12′E].

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### **Pseudocapritermes minutus** (Tsai and Chen, 1963)

Capritermes minutus Tsai and Chen, 1963: 179–180 (soldier, worker), fig. 16.

TYPE DATA: Holotype: NAP soldier. Paratypes: NAP soldiers, workers.

Type locality: China: Yunnan: Chinping [24°04′N, 101°57′E].

- Tsai and Chen, 1964b: 91, 97–98, fig. 48 *Capritermes minutus*; soldier described and figured; key. China.
- Tsai and Chen, 1964a: 28, 32, 35 Capritermes minutus; distribution.

- Yu and Ping, 1966: 125 Pseudocapritermes minutus; listed; new combination.
- Gao and Lam, 1986: 83 Procapritermes minutus; checklist; distribution; new combination. China.
- Ping and Xu, 1986: 16, 20 Pseudocapritermes minutus; key; listed; reference list.
- Huang et al., 1989: 517–518, fig. 387 Pseudocapritermes minutus; soldier described and figured; key; reference list. China.
- Gao et al., 1992a: 46 Pseudocapritermes minutus; checklist; distribution. China: Yunnan.
- Peng and Yin, 1992: 37, fig. 105 Pseudocapritermes minutus; soldier described and figured; key. China: Yunnan.
- Lin et al., 1994b: 7 Pseudocapritermes minutus; checklist; distribution. China: Guangxi.
- Huang and Li, 1999: 315, fig. 10.59 *Pseudocapritermes minutus*; key; soldier described and figured; distribution. China: Fujian.
- Hua, 2000: 28 Pseudocapritermes minutus; listed. China: Fujian, Guangxi, Hunan, Yunnan.
- Huang et al., 2000: 762, fig. 461 *Pseudocapritermes minutus*; soldier described and figured; key; reference list. China.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes minutus; catalog. China.

Procapritermes parvulus Krishna, 1968: 303 [nom. nov. for Capritermes minutus Tsai and Chen, 1963, a secondary homonym of Procapritermes minutus (Haviland, 1898) when Krishna, 1968: 303 transferred minutus Tsai and Chen to Procapritermes. Later, Yu and Ping, 1966: 125 transferred Capritermes minutus Tsai and Chen to Pseudocapritermes; therefore, since minutus Tsai and Chen and minutus Haviland are no longer congeneric, they are not secondary homonyms and the replacement name parvulus is not valid (ICZN, 1999, art. 59.4)].

© DISTRIBUTION: Oriental Region—China: Fujian, Guangxi, Hunan, Yunnan.

### **Pseudocapritermes orientalis** (Ahmad and Akhtar, 1981)

Coxocapritermes orientalis Ahmad and Akhtar, 1981: 5 (soldier, worker), fig. 1.

TYPE DATA: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers. Type locality: Malaysia: Kluang Forest [02°01′N, 103°28′E].

- Gathorne-Hardy et al., 2001: 391 *Coxocapritermes orientalis*; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 66 Coxocapritermes orientalis; catalog. Malaysia: Mainland.
- Homathevi et al., 2002: 235, table 1 *Coxocapritermes orientalis*; checklist; ecology; feeding and nesting groups; distribution. Malyasia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Coxocapritermes orientalis*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 100 *Pseudocapritermes orientalis*; remarks; checklist; distribution; new combination. Indonesia: Kalimantan, Sumatra, Siberut Island; Malaysia: Mainland, Sabah, Sarawak.
- Gathorne-Hardy et al., 2006: 607, table 1 *Pseudocapritermes orientalis*; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Sumatra; Malaysia: Mainland, Sabah, Sarawak.

# Pseudocapritermes parasilvaticus Ahmad, 1965

Pseudocapritermes parasilvaticus Ahmad, 1965: 106–108 (imago, soldier, worker), figs. 113, 114.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL imagoes, soldiers, workers, AMNH imago, soldiers, workers.

Type locality: Thailand: Tung Sa-Lang Luang.

- Krishna, 1968: 303 Procapritermes parasilvaticus; listed; new combination.
- Morimoto, 1973a: 78 Pseudocapritermes parasilvaticus; listed.
- Ahmad and Akhtar, 1981: 20 Pseudocapritermes parasilvaticus; listed.
- Akhtar and Afzal, 1989: 188 Pseudocapritermes parasilvaticus; listed.
- Tho, 1992: 206 Procapritermes parasilvaticus; listed.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes parasilvaticus; catalog. Thailand.
- Gathorne-Hardy, 2004: 122 *Pseudocapritermes parasilvaticus*; checklist; distribution. Indonesia: Sumatra.
- Ohkuma et al., 2004: 701-710 Procapritermes parasilvaticus; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Procapritermes parasilvaticus; checklist; distribution. Thailand.
- Inoue et al., 2006: 611, table 1 Procapritermes parasilvaticus; checklist; feeding groups; ecology; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Indonesia: Sumatra; Thailand.

### Pseudocapritermes planimentus Yang, Zhu, and Huang, 1992

Pseudocapritermes planimentus Yang et al., 1992: 126-127, 130 (soldier), figs. 1-7.

Type data: Holotype: KIZK 84 V 23067 soldier. Paratypes: KIZK soldiers, workers, NAP soldiers, workers.

Type Locality: China: Yunnan: Jianshei County.

- Huang et al., 2000: 763–764, fig. 462 *Pseudocapritermes planimentus*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes planimentus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

### Pseudocapritermes prosilvaticus Akhtar and Afzal, 1989

Pseudocapritermes prosilvaticus Akhtar and Afzal, 1989: 193, 196-198 (soldier, worker), fig. 4.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL soldiers, workers.

Type locality: Malaysia: Quoin Hill [03°55′N, 117°50′E].

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### **Pseudocapritermes pseudolaetus** (Tsai and Chen, 1963)

Capritermes pseudolaetus Tsai and Chen, 1963: 179, 197 (soldier), fig. 14.

TYPE DATA: Holotype: NAP soldier. Paratypes: NAP soldiers, workers.

Type locality: China: Yunnan: Chinping [24°04′N, 101°54′E].

— Tsai and Chen, 1964b: 91, 97, fig. 47 • Capritermes pseudolaetus; soldier described and figured; key. China.

- Tsai and Chen, 1964a: 28, 35 Capritermes pseudolaetus; distribution.
- Yu and Ping, 1966: 125 Pseudocapritermes pseudolaetus; new combination.
- Krishna, 1968: 303 Procapritermes pseudolaetus; listed; new combination.
- Gao and Lam, 1986: 83 Procapritermes pseudolaetus; checklist; distribution. China.
- Ping and Xu, 1986: 1, 13, 16, 20 Pseudocapritermes pseudolaetus; listed; key. China.
- Akhtar and Afzal, 1989: 188 Pseudocapritermes pseudolaetus; listed.
- Huang et al., 1989: 516, fig. 386 Pseudocapritermes pseudolaetus; soldier described and figured; key. China.
- Gao et al., 1992a: 46 Pseudocapritermes pseudolaetus; checklist; distribution. China: Yunnan.
- Hua, 2000: 28 Pseudocapritermes pseudolaetus; listed. China: Yunnan.
- Huang et al., 2000: 764–765, fig. 463 *Pseudocapritermes pseudolaetus*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes pseudolaetus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

### Pseudocapritermes silvaticus Kemner, 1934

Pseudocapritermes silvaticus Kemner, 1934b: 168-171 (imago, soldier, worker), fig. 49.

TYPE DATA: Syntypes: ZMLU imagoes, soldiers, workers, AMNH soldiers, workers. Type locality: Indonesia: Java: Depok.

- Snyder, 1949a: 192 Pseudocapritermes silvaticus; catalog; reference list. Java.
- Ahmad, 1950: 84, fig. 17 Pseudocapritermes silvaticus; worker mandibles figured.
- Ahmad, 1958: 193 Pseudocapritermes silvaticus; key.
- Roonwal and Chhotani, 1962a: 323 Pseudocapritermes silvaticus; comparisons.
- Krishna, 1968: 295, 296, 298, 299, 300, 304, figs. 26A, 30I *Procapritermes silvaticus*; listed; worker and soldier mandibles figured; new combination.
- Roonwal, 1970c: 354, 355 Pseudocapritermes silvaticus; biology; distribution.
- Morimoto, 1975b: 32, fig. 102c Procapritermes silvaticus; soldier mandibles figured.
- Ahmad and Akhtar, 1981: 20 Pseudocapritermes silvaticus; listed.
- Collins, 1984: 68 Procapritermes silvaticus; ecology; distribution. Malaysia: Sarawak.
- Akhtar and Afzal, 1989: 188 Pseudocapritermes silvaticus; listed.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes silvaticus; catalog. Indonesia: Java.
- Jones and Prasetyo, 2002: 121, table 1 *Pseudocapritermes silvaticus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- DISTRIBUTION: Oriental Region—Indonesia: Java, Kalimantan; Malaysia: Sarawak.

# Pseudocapritermes sinensis Ping and Xu, 1986

Pseudocapritermes sinensis Ping and Xu, 1986: 13-15, 20 (imago, soldier), figs. 44-53.

Type data: Holotype: GIEC soldier, morphotype imago. Paratypes: GIEC imagoes, soldiers, workers.

Type locality: China: Yunnan Province: Mengla Xian [21°04′N, 101°05′E].

- Akhtar and Afzal, 1989: 188 Pseudocapritermes sinensis; listed.
- Huang et al., 1989: 520–521, fig. 390 *Pseudocapritermes sinensis*; imago, soldier described and figured; key. China: Yunnan.
- Gao et al., 1992a: 46 Pseudocapritermes sinensis; checklist; distribution. China: Jiangxi, Guangdong, Guangxi, Guizhou, Hunan.
- Peng and Yin, 1992: 37–38, fig. 107 *Pseudocapritermes sinensis*; imago, soldier described; soldier figured. China: Yunnan.

- Lin et al., 1994b: 7 Pseudocapritermes sinensis; checklist; distribution. China: Guangxi.
- Gu et al., 1995: 648 Pseudocapritermes sinensis; checklist. China: Hainan.
- Hua, 2000: 28 *Pseudocapritermes sinensis*; listed. China: Guangdong, Guangxi, Guizhou, Hunan, Jiangxi, Yunnan.
- Huang et al., 2000: 765–767, fig. 464 *Pseudocapritermes sinensis*; imago, soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes sinensis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Guangdong, Guangxi, Guizhou, Hainan, Hunan, Jiangxi, Yunnan.

### Pseudocapritermes sowerbyi (Light, 1924)

Capritermes sowerbyi Light, 1924: 52, 54, 354-357 (imago, soldier, worker).

Type data: Syntypes: AMNH workers, AMNH queen, soldier, workers, nymphs, USNM worker, FRI workers.

Type locality: China: Kuliang, "in mountains Sowerby back of Foochow, 2500 ft."

- Light, 1931a: 595–598 Procapritermes sowerbyi; soldier described; locality; new combination.
   China.
- Snyder, 1931a: 549 Capritermes (Capritermes) sowerbyi; locality. China.
- Wu, 1935: 221 Procapritermes sowerbyi; catalog; reference list. China.
- Snyder, 1949a: 191 Procapritermes sowerbyi; catalog; reference list. China.
- Tu, 1955a: 32, 36, 37 *Procapritermes sowerbyi*; catalog; distribution. China: Mainland, Hainan Island.
- Ahmad, 1958: 192 Procapritermes sowerbyi; key.
- Mathur and Thapa, 1962a: 117 Procapritermes sowerbyi; collection catalog. China.
- Harris, 1963a: 6–7, 9 *Procapritermes sowerbyi*; characters; soldier figured; key; ecology. China: Hong Kong.
- Tsai and Chen, 1963: 178 Procapritermes sowerbyi; soldier described.
- Tsai and Chen, 1964b: 86, 87–88, figs. 38, 39 *Procapritermes sowerbyi*; imago, soldier described and figured; key. China.
- Tsai and Chen, 1964a: 27, 32, 35 Procapritermes sowerbyi; distribution.
- Ahmad, 1965: 105, 106 Procapritermes sowerbyi; comparisons.
- Krishna, 1968: 298, 300, 304, figs. 25F, 30E Procapritermes sowerbyi; listed; worker and soldier mandibles figured.
- Roonwal, 1970c: 352–353 *Procapritermes sowerbyi*; biology; distribution.
- Morimoto, 1975b: 32, fig. 102b Procapritermes sowerbyi; soldier mandibles figured.
- Zhu, 1982: 233 Procapritermes sowerbyi; listed. China.
- Prestwich, 1984a: table 1 Procapritermes sowerbyi; checklist; ecology; defense mode; chemicals; distribution.
- Gao and Lam, 1985: 118 Procapritermes sowerbyi; distribution. China: Hong Kong.
- Gao and Lam, 1986: 67, 70, 83, fig. 11 *Procapritermes sowerbyi*; imago, soldier figured; key; checklist. Hong Kong.
- Ping and Xu, 1986: 1, 13, 19 Pseudocapritermes sowerbyi; listed; new combination. China.
- Huang et al., 1989: 518–520, fig. 389 *Pseudocapritermes sowerbyi*; imago, soldier described and figured; key. China.
- Gao et al., 1992a: 46 *Pseudocapritermes sowerbyi*; checklist, distribution. China: Fujian, Guangdong, Hong Kong, Yunnan.
- Peng and Yin, 1992: 37, fig. 106 *Pseudocapritermes sowerbyi*; imago, soldier described and figured. China: Yunnan.
- Tho, 1992: 206 Procapritermes sowerbyi; listed.
- Lin et al., 1994b: 7 Pseudocapritermes sowerbyi; checklist; distribution. China: Guangxi.

- Gao, 1995a: 2 Pseudocapritermes sowerbyi; checklist. Hong Kong.
- Gao et al., 1996: 109–111; figs. 7.55, 7.56 *Pseudocapritermes sowerbyi*; imago, soldier described and figured. Hong Kong.
- Huang and Li, 1999: 315–316, fig. 10.61 *Pseudocapritermes sowerbyi*; key; soldier described and figured; distribution. China: Fujian.
- Hua, 2000: 28 *Pseudocapritermes sowerbyi*; listed. China: Fujian, Guangdong, Guangxi, Hainan, Hong Kong.
- Huang et al., 2000: 767–769; fig. 465 *Pseudocapritermes sowerbyi*; imago, soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes swerbyi [sic]; catalog. China: Hong Kong.
- © DISTRIBUTION: Oriental Region—China: Fujian, Guangdong, Guangxi, Hainan, Hong Kong, Yunnan.

### **Pseudocapritermes tikadari** Roonwal and Chhotani, 1962

Pseudocapritermes tikadari Roonwal and Chhotani, 1962a: 319-323 (soldier, worker), pls. 20, 21.

TYPE DATA: Holotype: ZSI No. 2564/H8 soldier. Paratypes: ZSI Nos. 2565/H8, 2566/H8, 2567/H8, 2568/H8 soldier, workers.

Type locality: India: Assam: Cherrapunji, ca. 1330 m [25°17′N, 91°47′E].

- Roonwal and Chhotani, 1965a: 21, 29 Pseudocapritermes tikadari; distribution. India.
- Ahmad, 1965: 108 Pseudocapritermes tikadari; comparisons.
- Mathur and Thapa, 1965: 3, 13 *Pseudocapritermes tikardari* [sic] [also misspelled as *tikardnri*]; checklist; ecology; locality. India.
- Krishna, 1968: 300, 304, fig. 26C *Procapritermes tikadari*; listed; worker mandibles figured; synonymy; new combination.
- Roonwal, 1970b: fig. 8e Pseudocapritermes tikadari; soldier labrum figured.
- Sen-Sarma, 1974: 459 Procapritermes tikadari; ecology and biogeography. India.
- Chhotani, 1977a: 33 Procapritermes tikadari; distribution. India.
- Roonwal and Chhotani, 1977: 60, 62-63, 80, fig. 10 *Procapritermes tikadari*; soldier figured; measurements; key; distribution. Bhutan; India.
- Roonwal, 1978a: 103, 104 Procapritermes tikadari; biology; distribution.
- Lahiri and Ghosh, 1980: 66 Procapritermes tikadari; synonymy; distribution. India.
- Ahmad and Akhtar, 1981: 20 Pseudocapritermes tikadari; listed.
- Akhtar and Afzal, 1989: 188 Pseudocapritermes tikardi [sic]; listed.
- Roonwal and Chhotani, 1989: fig. 42e Pseudocapritermes tikadari; soldier labrum figured.
- Maiti et al., 1995: 441 *Procapritermes tikadari*; synonymy; soldier measurements; distribution. India.
- Chhotani, 1997: 384–387, figs. 186–187 *Pseudocapritermes tikadari*; soldier, worker described and figured; synonymy; key. Bhutan; India.
- Bose, 1999: 33, 72–75, fig. 25 *Pseudocapritermes tikadari*; key; synonymy; measurements; soldier figured; distribution. Bhutan; India.
- Ahmad and Akhtar, 2002: 66 Pseudocapritermes tikadari; catalog. India.
- Maiti et al., 2004: 157 Pseudocapritermes tikadari; synonymy; distribution. Bhutan; India.

Pseudocapritermes planus Mathur and Thapa, 1965: 12-13 (soldier, worker), fig. 2.

TYPE DATA: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, AMNH soldiers, workers. TYPE LOCALITY: India: Assam: Sibsagar Range: Sola Reserve Forest.

- Krishna, 1968: 304 Pseudocapritermes planus; synonymized with tikadari.
- C DISTRIBUTION: Oriental Region—Bhutan; India: Arunachal Pradesh, Assam, Manipur, Meghalaya.

# Quasitermes Emerson, 1950

#### Quasitermes Emerson, 1950: 10-13.

Type species: *Quasitermes caprinus* Emerson, 1950 (*caprinus* a synonym of *incisus*) by original designation.

- Emerson, 1955: 512 Quasitermes; number of species; distribution.
- Weidner, 1955f: 73 Quasitermes; number of species; distribution.
- Krishna, 1968: 278–280 Quasitermes; synonymy; key; characters; phylogeny; species included; distribution.
- Morimoto, 1975b: 31 Quasitermes; key.

#### ▲ 1 species.

♠ DISTRIBUTION: Ethiopian Region.

### Quasitermes incisus (Cachan, 1949)

Mirotermes incisus Cachan, 1949: 242-243 (soldier), fig. 28.

TYPE DATA: Syntypes: ISM soldiers (Madagascar: Tsaratanana-s/-Vohémar), ISM soldiers (Madagascar: Fort-Dauphin), NCIP soldiers (Madagascar: Tsaratanana-s/-Vohémar [incorrectly cited as paratypes by Ruelle, 1975b]), FRI soldiers, worker, nymph (Madagascar: near Ivoloina).

Type locality: Madagascar: Tsaratanana-s/-Vohémar, Fort-Dauphin, near Ivoloina.

- Cachan, 1951: 15 Mirotermes incisus; remarks; localities. Madagascar.
- Mathur and Thapa, 1962a: 119 *Quasitermes incisus*; collection catalog; new combination. Madagascar.
- Krishna, 1968: 278, 280, figs. 9, 10 *Quasitermes incisus*; worker mandibles and soldier figured; *caprinus* synonymized.
- Morimoto, 1975b: 31, fig. 93 Quasitermes incisus; soldier figured.
- Ruelle, 1975b: 10 *Quasitermes incisus*; types listed.
- Eggleton and Davies, 2003: 657, table 8.26 *Quasitermes incisus*; checklist; distribution.
   Madagascar and associated coastal islands.

Quasitermes caprinus Emerson, 1950: 10-13 (queen, soldier, worker), fig. 5.

Type data: Holotype: AMNH soldier. Paratypes: AMNH queen, soldiers, workers, AMNH soldiers, workers [not type locality].

Type locality: Madagascar: near Fort Dauphin: Manantantely [24°50′S, 46°50′E].

- Cachan, 1951: 15 Quasitermes caprinus; synonymized with incisus.
- Ahmad, 1950: 84, fig. 17 Quasitermes caprinus; worker mandibles figured.
- Krishna, 1968: 278, 280 Quasitermes incisus; again synonymized with caprinus.
- TISTRIBUTION: Ethiopian Region—Madagascar.

#### Saxatilitermes Miller, 1991

#### Saxatilitermes Miller, 1991: 1240.

Type species: Saxatilitermes saxatilis Miller, 1991 by original designation.

— Watson and Abbey, 1993b: 5 • Saxatilitermes; remarks; Australian species.

- ▲ 1 species.
- © DISTRIBUTION: Australian Region.

#### Saxatilitermes saxatilis Miller, 1991

Saxatilitermes saxatilis Miller, 1991: 1241-1242 (imago, soldier), figs. 158-161, 364, 389.

Type data: Holotype: ANIC No. 9154 soldier. Paratypes: ANIC No. 10 18477 queen, soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [not type locality], BMNH soldiers, workers, AMNH soldiers, workers.

Type locality: Australia: Northern Territory: Jim Jim Gorge.

- Watson and Abbey, 1993b: 139, fig. 238 Saxatilitermes saxatilis; distribution map.
- Watson et al., 1998: 242 Saxatilitermes saxatilis; catalog; synonymy; distribution; ecology.
   Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

# Sinocapritermes Ping and Xu, 1986

Sinocapritermes Ping and Xu, 1986: 2-3, 17.

Type species: Sinocapritermes sinensis Ping and Xu, 1986 by original designation.

- Snyder, 1949a: 190 Procapritermes [part]; catalog; reference list.
- Huang et al., 1989: 391, 495 Sinocapritermes; key; characters; distribution.
- Huang and Li, 1999: 307, 311 Sinocapritermes; key; characters.
- Takematsu, 1999c: 40 Sinocapritermes; key based on gut characters.
- Huang et al., 2000: 546, 716 Sinocapritermes; key; characters; distribution.
- ▲ 16 species.
- © DISTRIBUTION: Oriental Region.

### Sinocapritermes albipennis (Tsai and Chen, 1963)

Procapritermes albipennis Tsai and Chen, 1963: 177-178, 197 (imago, soldier), figs. 12, 13.

Type data: Holotype: NAP ?soldier [no mention of which caste is the type]. Paratypes: NAP imagoes, soldiers, workers, AMNH imago, soldiers, worker.

Type locality: China: Yunnan: Chinping [24°04′N, 101°57′E].

- Tsai and Chen, 1964b: 86, 89–91, figs. 40, 41 *Procapritermes albipennis*; imago, soldier described and figured; key. China.
- Tsai and Chen, 1964a: 27, 31, 32, 35 Procapritermes albipennis; distribution.
- Ahmad, 1965: 105, 106 Procapritermes albipennis; comparisons.
- Krishna, 1968: 303 Procapritermes albipennis; listed.
- Gao and Lam, 1986: 83 Procapritermes albipennis; checklist; distribution. China.
- Ping and Xu, 1986: 2, 4, 16 Sinocapritermes albipennis; key; new combination.
- Gao, 1989: 1, 5 Sinocapritermes albipennis; key.
- Huang et al., 1989: 496–497, fig. 368 *Sinocapritermes albipennis*; imago, soldier described and figured; key. China: Yunnan.
- Gao and Lam, 1990: 331 Sinocapritermes albipennis; key.
- Gao et al., 1992a: 46 Sinocapritermes albipennis; checklist; distribution. China: Yunnan.

- Peng and Yin, 1992: 36, fig. 102 *Sinocapritermes albipennis*; imago, soldier described; imago figured. China: Yunnan.
- Lin et al., 1994b: 6 Sinocapritermes albipennis; checklist; distribution. China: Guangxi.
- Hua, 2000: 28 Sinocapritermes albipennis; listed. China: Guangxi, Hunan, Yunnan.
- Huang et al., 2000: 718–719, fig. 433 *Sinicapritermes* [sic] *albipennis*; imago, soldier described; imago figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes albipennis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Guangxi, Hunan, Yunnan.

# Sinocapritermes fujianensis Ping and Xu, 1986

Sinocapritermes fujianensis Ping and Xu, 1986: 11–13, 19 (soldier), figs. 38–43.

Type data: Holotype: GIEC I. No. E 3101 soldier. Paratypes: GIEC soldiers, workers. Type locality: China: Fujian Province: Jian'ou Xian [27°N, 118°03′E].

- Gao, 1989: 2, 5 Sinocapritermes fujianensis; key.
- Huang et al., 1989: 503, fig. 374 *Sinocapritermes fujianensis*; soldier described and figured; key. China: Fujian.
- Gao and Lam, 1990: 332 Sinocapritermes fujianensis; key.
- Gao et al., 1992a: 46 Sinocapritermes fujianensis; checklist; distribution. China: Fujian, Guangdong, Guangxi.
- Lin et al., 1994b: 7 Sinocapritermes fujianensis; checklist; distribution. China: Guangxi.
- Huang and Li, 1999: 311, fig. 10.54 *Sinocapritermes fujianensis*; soldier described and figured; distribution. China: Fujian.
- Hua, 2000: 28 Sinocapritermes fujianensis; listed. China: Fujian.
- Huang et al., 2000: 720–721, fig. 434 *Sinocapritermes fujianensis*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes fujianensis; catalog. China.
- DISTRIBUTION: Oriental Region—China: Fujian, Guangdong, Guangxi.

### Sinocapritermes guangxiensis Ping and Xu, 1986

Sinocapritermes guangxiensis Ping and Xu, 1986: 10–11, 19 (soldier), figs. 32–37.

Type data: Holotype: GIEC I. No. E 3366 soldier. Paratypes: GIEC soldiers, workers. Type locality: China: Guangxi Zizhiqu: Dayao Mountain of Jinxiu Yaozu Zizhixian [24°01′N, 110°01′E].

- Gao, 1989: 1, 5 Sinocapritermes guangxiensis; key.
- Huang et al., 1989: 499, fig. 370 *Sinocapritermes guangxiensis*; soldier described and figured; key. China: Guangxi.
- Gao and Lam, 1990: 332 Sinocapritermes guangxiensis; key.
- Gao et al., 1992a: 46 Sinocapritermes guangxiensis; checklist; distribution. China: Guangxi.
- Jiang et al., 1993: 15 Sinocapritermes guangxiensis; checklist; distribution. China: Guangxi.
- Lin et al., 1994b: 6 Sinocapritermes guangxiensis; checklist; distribution. China: Guangxi.
- Hua, 2000: 28 Sinocapritermes guangxiensis; listed. China: Fujian, Guangxi, Guizhou.
- Huang et al., 2000: 721–722, fig. 435 *Sinocapritermes guangxiensis*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes guangxiensis; catalog. China.
- 🔇 DISTRIBUTION: Oriental Region—China: Fujian, Guangxi, Guizhou.

# Sinocapritermes magnus Ping and Xu, 1986

Sinocapritermes magnus Ping and Xu, 1986: 9–10, 19 (soldier), figs. 25–31.

Type data: Holotype: GIEC I. No. E 3782 soldier. Paratypes: GIEC soldiers, workers. Type locality: China: Sichuan Province: Chonquing Shi [29°05′N, 106°05′E].

- Gao, 1989: 1, 5 Sinocapritermes magnus; key.
- Huang et al., 1989: 499–500, fig. 371 Sinocapritermes magnus; soldier described and figured; key. China: Sichuan.
- Gao and Lam, 1990: 332 Sinocapritermes magnus; key.
- Gao et al., 1992a: 46 *Sinocapritermes magnus*; checklist; distribution. China: Guangxi, Guizhou, Jiangxi, Sichuan.
- Lin et al., 1994b: 7 Sinocapritermes magnus; checklist; distribution. China: Guangxi.
- Hua, 2000: 28 Sinocapritermes magnus; listed. China: Guangxi, Guizhou, Hubei, Jiangxi, Sichuan.
- Huang et al., 2000: 722–723, fig. 436 *Sinocapritermes magnus*; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes magnus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Guangxi, Guizhou, Hubei, Jiangxi, Sichuan.

### Sinocapritermes mushae (Oshima and Maki, 1919)

Procapritermes mushae Oshima and Maki, 1919: 313-316 (soldier, worker), figs. 1-2.

Type data: Syntypes (whereabouts unknown): soldiers, workers.

Type locality: Taiwan (Formosa): Nanto: Musha.

- Maki, 1919: 435-439, figs. 1-8 Procapritermes mushae; soldier described and figured. Taiwan.
- Light, 1931a: 597 Procapritermes mushae; listed.
- Snyder, 1949a: 190 Procapritermes mushae; catalog; reference list. Taiwan.
- Tu, 1955b: 82, 85 Procapritermes mushae; catalog; distribution. Taiwan.
- Tu, 1955a: 32, 36, 37 Procapritermes mushae; catalog; distribution. Taiwan.
- Tsai and Chen, 1964b: 86–87, fig. 37 *Procapritermes mushae*; imago, soldier described; soldier figured; key. China.
- Tsai and Chen, 1964a: 27, 31, 32, 35 Procapritermes mushae; distribution.
- Krishna, 1968: 303 Procapritermes mushae; listed.
- Li, 1979: 67 Procapritermes mushae; listed. China.
- Zhu, 1982: 233 Procapritermes mushae; listed. China.
- Gao and Lam, 1986: 83 Procapritermes mushae; checklist; distribution. China.
- Ping and Xu, 1986: 2, 16, 18 Sinocapritermes mushae; key; new combination.
- Gao, 1989: 2, 5 Sinocapritermes mushae; key.
- Huang et al., 1989: 496, 505–507, fig. 377 Sinocapritermes mushae; soldier described and figured. China.
- Gao and Lam, 1990: 332 Sinocapritermes mushae; key.
- Gao et al., 1992a: 46 *Sinocapritermes mushae*; checklist; distribution. China: Guangdong, Guangxi, Hunan, Zhejiang; Taiwan.
- Tho, 1992: 206 Procapritermes mushae; listed.
- Jiang et al., 1993: 15 Sinocapritermes mushae; checklist; distribution. China: Guangxi.
- Takematsu, 1994a: 719–722 *Sinocapritermes mushae*; synonymy; soldier, worker described and figured; distribution. Japan.
- Chung and Chen, 1994: 202 Sinocapritermes mushae; synonymy; distribution. Taiwan.
- Lin et al., 1994b: 6 Sinocapritermes mushae; checklist; distribution. China: Guangxi.
- Takematsu, 1994b: 43, 46 Sinocapritermes mushae; distribution. Japan.
- Zhang et al., 1994a: 253-256 Sinocapritermes mushae; wing microsculpturing.

- Zhang et al., 1994b: 87 Sinocapritermes mushae; wing microsculpturing.
- Gu et al., 1995: 648 Sinocapritermes mushae; checklist. China: Hainan.
- Huang and Han, 1997: 111, fig. 8 Sinocapritermes mushae; soldier described and figured. China.
- Huang and Li, 1999: 312, fig. 10.55 *Sinocapritermes mushae*; soldier described and figured; distribution. China: Fujian.
- Takematsu, 1999c: 34, 38, fig. 2.11 Sinocapritermes mushae; gut described and figured.
- Hua, 2000: 28 *Sinocapritermes mushae*; listed. China: Fujian, Guangdong, Guangxi, Hainan, Hubei, Hunan, Jiangxi, Sichuan, Yunnan, Zhejiang; Taiwan.
- Huang et al., 2000: 723–725, fig. 437 Sinocapritermes mushae; soldier described and figured. China.
- Yasuda et al., 2000: 155 Sinocapritermes mushae; listed; distribution.
- Ahmad and Akhtar, 2002: 64 Procapritermes mushae; catalog. Taiwan.
- Ohkuma et al., 2004: 701–710 Sinocapritermes mushae; phylogeny; COII sequences.
- Tokuda et al., 2004: 3219–3228 *Sinocapritermes mushae*; cellulose digestion; cellulase; endogluconase; feeding; phylogeny.
- © DISTRIBUTION: Oriental Region—China: China: Fujian, Guangdong, Guangxi, Hainan, Hubei, Hunan, Jiangxi, Sichuan, Yunnan, Zhejiang; Taiwan.

# Sinocapritermes parvulus (Yu and Ping, 1966)

Procapritermes parvulus Yu and Ping, 1966: 128-130, 136 (soldier), fig. 3.

TYPE DATA: Holotype: HTCC I. No. 2943 soldier. TYPE LOCALITY: China: Hainan Island: Ya-hsien.

- Gao and Lam, 1986: 83 Procapritermes parvulus; checklist; distribution. China.
- Ping and Xu, 1986: 2, 4, 16, 18 Sinocapritermes parvulus; key; new combination.
- Akhtar and Afzal, 1989: 188 Pseudocapritermes parvulus; new combination; Procapritermes parvulus tentatively transferred from Sinocapritermes to Pseudocapritermes. [If this tentative transfer is affirmed at a later date, Procapritermes parvulus Krishna, 1968, junior synonym of Pseudocapritermes minutus, will become a secondary homonym of Procapritermes parvulus Yu and Ping, 1966].
- Gao, 1989: 2, 5 Sinocapritermes parvulus; key.
- Huang et al., 1989: 504, fig. 375 *Sinocapritermes parvulus*; soldier, worker described and figured; key. China: Hainan.
- Gao and Lam, 1990: 332 Sinocapritermes parvulus; key.
- Gao et al., 1992a: 46 Sinocapritermes parvulus; checklist; distribution. China: Guangdong.
- Hua, 2000: 28 Sinocapritermes parvulus; listed. China: Hainan.
- Huang et al., 2000: 725–726, fig. 438 *Sinocapritermes parvulus*; soldier, worker described and figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes parvulus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Hainan.

# Sinocapritermes planifrons Ping and Xu, 1986

Sinocapritermes planifrons Ping and Xu, 1986: 7-8, 18 (soldier), figs. 19-24.

TYPE DATA: Holotype: GIEC I. No. E 5093 soldier. Paratypes: GIEC soldiers, workers. Type locality: China: Yunnan Province: Jinghong Xian [22°N, 100°08′E].

- Gao, 1989: 2, 5 Sinocapritermes planifrons; key.
- Huang et al., 1989: 498, fig. 369 *Sinocapritermes planifrons*; soldier described and figured; key. China: Yunnan.

- Gao and Lam, 1990: 332 Sinocapritermes planifrons; key.
- Gao et al., 1992a: 46 Sinocapritermes planifrons; checklist; distribution. China: Yunnan.
- Hua, 2000: 28 Sinocapritermes planifrons; listed. China: Fujian, Yunnan.
- Huang et al., 2000: 726–727, fig. 439 Sinocapritermes planifrons; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes planifrons; catalog. China.
- ♠ DISTRIBUTION: Oriental Region—China: Yunnan.

# Sinocapritermes pratensis Ping and Xu, 1993

Sinocapritermes pratensis Ping and Xu, 1993: 439-440, 444 (soldier), fig. 7.

Type data: Holotype: GIEC I. no E 11684 soldier. Paratypes: GIEC soldiers, workers. Type locality: China: Guangdong Province: Shixing County: Xianrendong of Chebaling.

© DISTRIBUTION: Oriental Region—China: Guangdong.

### Sinocapritermes sinensis Ping and Xu, 1986

Sinocapritermes sinensis Ping and Xu, 1986: 4-5, 18 (imago, soldier), figs 1-12.

TYPE DATA: Holotype: GIEC I. No. E 5361 soldier, morphotype imago. Paratypes: GIEC imagoes soldiers, workers.

Type locality: China: Yunnan Province: Tengchong, Xian [25°N, 98°08′E].

- Gao, 1989: 1, 5 Sinocapritermes sinensis; key.
- Huang et al., 1989: 500–501, fig. 372 *Sinocapritermes sinensis*; imago, soldier described and figured; key. China: Yunnan.
- Gao and Lam, 1990: 331, 334 Sinocapritermes sinensis; key; comparisons.
- Gao et al., 1992a: 46 Sinocapritermes sinensis; checklist; distribution. China: Yunnan.
- Hua, 2000: 28 Sinocapritermes sinensis; listed. China: Yunnan.
- Huang et al., 2000: 728–729, fig. 440 *Sinocapritermes sinensis*; imago, soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes sinensis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

### Sinocapritermes sinicus (Li and Xiao, 1989)

Malaysiocapritermes sinicus Li and Xiao, 1989: 474-475, 476 (soldier, worker), fig. 8.

TYPE DATA: Holotype: GIEC soldier. Paratypes: GIEC soldiers, workers.

Type locality: China: Guangxi: Huashuichong Forest: Hexian.

- Lin et al., 1994b: 6 Malaysiocapritermes sinicus; checklist; distribution. China: Guangxi.
- Yang et al., 1995: 79, 82 Sinocapritermes sinicus; listed; new combination.
- Hua, 2000: 27 Malaysiocapritermes sinicus; listed. China: Fujian, Guangxi.
- Huang et al., 2000: 729–730, fig. 441 Sinocapritermes sinicus; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 65 Malaysiocapritermes sinicus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Fujian, Guangxi.

# Sinocapritermes songtaoensis He, 1993

Sinocapritermes songtaoensis Zhu et al., 1993: 56-57, 61 (soldier), fig. 8.

Type data: Holotype: SIES 09011301 soldier. Paratypes: SIES soldiers, workers.

Type Locality: China: Guizhou Province: Songtao County.

— Huang et al., 2000: 731–732, fig. 442 • *Sinocapritermes songtaoensis*; soldier described and figured; key. China.

DISTRIBUTION: Oriental Region—China: Guizhou.

### Sinocapritermes tianmuensis Gao, 1989

Sinocapritermes tianmuensis Gao, 1989: 1-5 (imago, soldier), figs A-D.

Type data: Holotype: SIES soldier. Paratypes: SIES imagoes (morphotypes), soldiers, workers, NITN imagoes (morphotypes), soldiers, workers.

Type locality: China: Zhejiang, Mt Tinmu.

- Gao and Lam, 1990: 332 Sinocapritermes tianmuensis; key.
- Hua, 2000: 28 Sinocapritermes tianmuensis; listed. China: Zhejiang.
- Huang et al., 2000: 732–734, fig. 443 Sinocapritermes tianmuensis; imago, soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 64 Sinocapritermes tianmuensis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Zhejiang.

#### Sinocapritermes vicinus (Xia, Gao, Pan, and Tang, 1983)

**Procapritermes vicinus** Xia et al., 1983a: 161–162, 163 (imago, soldier).

TYPE DATA: Holotype: SIES soldier, holomorphotype imago. Paratypes: SIES imagoes, soldiers, workers, SFRI imagoes, soldiers, workers, NITN imagoes, soldiers, workers.

Type locality: China: Sichuan Province: Yibin.

- Gao and Lam, 1986: 83 *Procapritermes vicinus*; checklist; distribution. China [only Xia, Gao, and Ping cited as authors].
- Ping and Xu, 1986: 2, 4, 16, 18 *Sinocapritermes vicinus*; key; new combination [Pan omitted as author].
- Gao, 1989: 2, 5 Sinocapritermes vicinus; key.
- Huang et al., 1989: 502–503, fig. 373 *Sinocapritermes vicinus*; imago, soldier described and figured; key. China: Sichuan [Pan omitted as author].
- Gao and Lam, 1990: 332, 334 Sinocapritermes vicinus; key; comparisons.
- Gao et al., 1992a: 46 *Sinocapritermes vicinus*; checklist; distribution. China: Sichuan [only Gao and Ping cited as authors].
- Zhu et al., 1993: 56 Sinocapritermes vicinus; checklist; distribution. China.
- Hua, 2000: 28 *Sinocapritermes vicinus*; listed. China: Hubei, Sichuan [original placement incorrectly cited as *Pericapritermes*].
- Huang et al., 2000: 734–735, fig. 444 *Sinocapritermes vicinus*; imago, soldier described and figured; key. China [Pan omitted as author].
- Ahmad and Akhtar, 2002: 64 Sinocapritermes vicinus; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Sichuan.

### Sinocapritermes xiai Gao and Lam, 1990

Sinocapritermes xiai Gao and Lam, 1990: 332-334 (soldier, worker), figs. 1, 2, key.

Type data: Holotype: SIES soldier. Paratypes: SIES soldier, workers.

Type locality: China: Guangxi: Rong County.

— Hua, 2000: 28 • Sinocapritermes xiai; listed. China: Guangxi.

© DISTRIBUTION: Oriental Region—China: Guangxi.

### Sinocapritermes xiushanensis He, 1993

Sinocapritermes xiushanensis Zhu et al., 1993: 58-59, 61 (soldier), fig. 9.

Type data: Holotype: SIES 09011302 soldier. Paratypes: SIES soldiers, workers.

Type Locality: China: Sichuan Province: Xiushan County.

- Huang et al., 2000: 735–737, fig. 445 *Sinocapritermes xiushanensis*; soldier, worker described and figured; key. China.
- ♠ DISTRIBUTION: Oriental Region—China: Sichuan.

# Sinocapritermes yunnanensis Ping and Xu, 1986

Sinocapritermes yunnanensis Ping and Xu, 1986: 6-7, 18 (soldier), figs. 13-18.

TYPE DATA: Holotype: GIEC I. No. E 5092 soldier. Paratypes: GIEC soldiers, workers.

Type locality: China: Yunnan Province: Jinghong Xian [22°N, 100°08′E].

- Gao, 1989: 2, 5 Sinocapritermes yunnanensis; key.
- Huang et al., 1989: 504–505, fig. 376 Sinocapritermes yunnanensis; soldier described and figured; key. China: Yunnan.
- Gao and Lam, 1990: 332 Sinocapritermes yunnanensis; key.
- Gao et al., 1992a: 46 Sinocapritermes yunnanensis; checklist; distribution. China: Yunnan.
- Hua, 2000: 28 Sinocapritermes yunnanensis; listed. China: Yunnan.
- Huang et al., 2000: 737–738, fig. 446 Sinocapritermes yunnanensis; soldier described and figured; key. China.
- Ahmad and Akhtar, 2002: 65 Sinocapritermes yunnanensis; catalog. China.
- © DISTRIBUTION: Oriental Region—China: Yunnan.

# Spinitermes Wasmann, 1897

Spinitermes Wasmann, 1897b: 152 [first introduced as a subgenus of Termes Linnaeus, 1758].

Type species: Termes trispinosus Hagen, 1858c by original designation.

- Silvestri, 1903: 71 Spinitermes; synonymy; characters.
- Holmgren, 1906: 564 Spinitermes; remarks.
- Escherich, 1909: 177 Spinitermes; characters.
- Holmgren, 1910b: 286 *Mirotermes* (*Spinitermes*); listed; with a footnote suggesting that it be raised to genus level.
- Holmgren, 1911a: 12 *Mirotermes* (*Spinitermes*); listed; with a footnote suggesting that it be raised to genus level.
- Holmgren, 1912a: 107, 109 Mirotermes (Spinitermes); key; species included.

- Emerson, 1925: 444 Mirotermes (Spinitermes); distribution.
- Snyder, 1926e: 60, 61 Mirotermes (Spinitermes); remarks.
- Emerson, 1928b: 408 Mirotermes (Spinitermes); distribution.
- Hare, 1937: 478, pl. 5 Spinitermes; phylogeny.
- Snyder, 1949a: 175 Spinitermes; catalog; reference list.
- Emerson, 1955: 512 Spinitermes; number of species; distribution.
- Weidner, 1955f: 73 Spinitermes; number of species; distribution.
- Araujo, 1970d: 535, 570 *Spinitermes*; distribution; ecology; number of species in Neotropical Region.
- Morimoto, 1975b: 38 Spinitermes; key.
- Araujo, 1977c: 65 Spinitermes; catalog.
- Mathews, 1977: 112, 114 Spinitermes; synonymy; characters.
- Bandeira, 1979b: 490 Spinitermes; ecology. Brazil: Amazonia State.
- Mill, 1982a: 255 Spinitermes; habitat; nest location; food; locality. Brazil.
- Mill, 1982b: 56 Spinitermes; habitat; nest location; food.
- Mill, 1983a: 181, 182 Spinitermes; key; number of species in New World; habitat; distribution.
- Constantino, 1998b: 207 Spinitermes; catalog.
- Fontes and Monteiro, 1998: 26 Spinitermes; etymology and pronunciation.
- Constantino, 1999a: 407, 418 Spinitermes; key; biology; distribution.
- Constantino, 2002a: 24 Spinitermes; key.

#### ▲ 5 species.

S DISTRIBUTION: Neotropical Region.

## Spinitermes brevicornutus (Desneux, 1904)

Termes (Eutermes) brevicornutus Desneux, 1904b: 41 [nom. nov. for Termes brevicornis (Silvestri, 1901) non Haviland, 1898].

- Silvestri, 1901: 6 Spinitermes trispinosus [misidentification]; locality. Brazil.
- Silvestri, 1902a: 12 Spinitermes trispinosus [misidentification]; biology.
- Silvestri, 1903: 71–72, 129, pl. 3: fig. 126 *Spinitermes trispinosus* [misidentification]; soldier, worker described; soldier figured. Brazil.
- Holmgren, 1906: 670 Spinitermes brevicornutus; distribution; new combination. Brazil.
- Holmgren, 1912a: 106, 109, 111, figs. 76, 79 *Mirotermes (Spinitermes) brevicornutus*; listed; imago, soldier mandibles figured. Brazil; Paraguay.
- Emerson, 1925: 445 Mirotermes (Spinitermes) brevicornutus; listed.
- Snyder, 1926e: 61, fig. 2b *Mirotermes (Spinitermes) brevicornutus*; soldier described; soldier labrum figured. Bolivia.
- Silvestri, 1934: 30, fig. 19 Spinitermes trispinosus [misidentification]; soldier figured.
- Snyder, 1949a: 175 Spinitermes brevicornutus; catalog; reference list. Bolivia; Brazil; Paraguay.
- Noirot, 1956: 151 Spinitermes brevicornutus; supplementary reproductives.
- Araujo, 1958b: 232–233 Spinitermes brevicornutus; distribution.
- Araujo, 1958a: 213–214 Spinitermes brevicornutus; distribution.
- Mathur and Thapa, 1962a: 119 Spinitermes brevicornutus; collection catalog. Brazil.
- Araujo, 1977c: 65 Spinitermes brevicornutus; catalog. Bolivia; Brazil; Paraguay.
- Costa-Leonardo and Barsotti, 1996: 321–330 *Spinitermes brevicornutus*; soldier head morphology; sensillae.
- Constantino, 1998b: 207 Spinitermes brevicornutus; catalog. Bolivia; Brazil; Paraguay.
- Soares and Costa-Leonardo, 2002: 1-6 Spinitermes brevicornutus; leg exocrine gland; morphology.
- Torales et al., 2005b: 259–280 *Spinitermes brevicornutus*; checklist; diversity; distribution. Argentina.
- Torales et al., 2005a: 875 Spinitermes brevicornutus; distribution. Argentina: Corrientes.

Spinitermes brevicornis Silvestri, 1901: 6 (imago) [junior secondary homonym of *Termes brevicornis* Haviland, 1898 (under generic assignment of Desneux, 1904b: 41), replaced by Desneux, 1904b].

Type data: Syntypes: IEA imagoes, soldiers, workers [soldiers and workers not mentioned in the brief diagnosis of Silvestri, 1901, but included in the expanded description of Silvestri, 1903; as the specimens of all three castes were from the type locality, this strongly suggests that all of this material was before Silvestri at the time of original description and should be included in the type series], AMNH imago, soldiers, workers, USNM imago.

Туре LOCALITY: Brazil: Mato Grosso: Cuyaba: Coxipó.

- Silvestri, 1902a: 12 Spinitermes brevicornis; biology.
- Silvestri, 1903: 72–73, 129, pl. 3: figs. 127–129 *Spinitermes brevicornis*; imago, soldier, worker described; imago, soldier figured. Brazil; Paraguay.
- Holmgren, 1909b: 84 Spinitermes brevicornis; anatomy.
- Mathot, 1978: 53 Spinitermes brevicornis; collection catalog; types of listed.
- Raineri et al., 1993: 527 Spinitermes brevicornis; collection catalog; types listed.
- © DISTRIBUTION: Neotropical Region—Argentina: Corrientes; Bolivia; Brazil; Paraguay.

#### Spinitermes longiceps Constantino, 1991

Spinitermes longiceps Constantino, 1991c: 201-206 (imago, soldier, worker), figs. 20-24.

TYPE DATA: Holotype: MPEG 2835 soldier. Paratypes: MZUSP 9248 imagoes, soldiers, workers, MPEG 2835 imagoes, soldiers, workers.

Type locality: Brazil: Amazonia: Japurá River [01°51′S, 65°27′W].

- Constantino, 1998b: 207 Spinitermes longiceps; catalog. Brazil.
- Fontes, 1998: 369 Spinitermes longiceps; catalog; distribution. Brazil.
- Constantino, 1999a: figs. 130, 131 Spinitermes longiceps; worker mandibles, soldier figured.
- Constantino, 2002a: figs. 176-177 Spinitermes longiceps; soldier figured.
- Tistribution: Neotropical Region—Brazil: Amazonia.

## Spinitermes nigrostomus Holmgren, 1906

Spinitermes nigrostomus Holmgren, 1906: 564-565 (soldier, worker), fig. V.

Type data: Syntypes: NHRM soldiers, workers, AMNH soldiers, workers.

Type locality: Bolivia: Mojos.

- Holmgren, 1912a: 109, pl. 4: fig. 7 Mirotermes (Spinitermes) nigrostomus; listed; soldier figured; new combination. Bolivia.
- Emerson, 1925: 310, 312, 444–445, fig. 89 *Mirotermes (Spinitermes) trispinosus* [misidentification]; soldier described and figured; key. Brazil; Guyana.
- Snyder, 1926e: 63, fig. 2c, pl. 2: figs. 3, 6 *Mirotermes* (*Spinitermes*) *trispinosus* [misidentification]; soldier head and labrum figured.
- Snyder, 1949a: 175 *Spinitermes nigrostomus*; catalog; reference list; synonymy. Bolivia; Brazil; Peru.
- Ahmad, 1950: 84, fig. 15 Spinitermes nigrostomus; imago mandibles figured.
- Noirot, 1956: 151 Spinitermes nigrostomus; supplementary reproductives.
- Mathur and Thapa, 1962a: 119 Spinitermes nigrostomus; collection catalog. Dutch Guiana.
- Dourojeanni, 1964: 84 Spinitermes nigrostomus; synonymy; distribution.
- Araujo, 1977c: 66 Spinitermes nigrostomus; catalog, synonymy. Bolivia; Brazil; Peru.

- Mathews, 1977: 115–116, fig. 54, pl. 21 *Spinitermes nigrostomus*; soldier, worker described and figured. Brazil.
- Mathot, 1978: 56 Spinitermes nigrostomus; collection catalog; types of gracilis listed.
- Bandeira, 1990: 225–241, table 1 Spinitermes nigrostomus; ecology; distribution.
- Constantino and Cancello, 1993: 405 Spinitermes nigrostomus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 207 Spinitermes nigrostomus; catalog; synonymy. Bolivia; Brazil; Peru.
- Fontes, 1998: 369 Spinitermes nigrostomus; catalog; distribution. Brazil.
- Amaral-Castro et al., 2004: 720, table 1 *Spinitermes nigrostomus*; damage; *Eucalyptus*; distribution. Brazil: Minas Gerais.

Spinitermes gracilis Holmgren, 1906: 565-567 (soldier, worker), fig. W.

Type data: Syntypes: NHRM soldiers, workers, AMNH soldier, workers.

Type locality: Peru: Carabaya: Chaquimayo.

- Holmgren, 1912a: 109 Mirotermes (Spinitermes) gracilis; listed. Peru.
- Snyder, 1949a: 175 Spinitermes gracilis; synonymized with nigrostomus.
- \$ DISTRIBUTION: Neotropical Region—Bolivia; Brazil; Guyana; Peru; Suriname.

#### Spinitermes robustus (Snyder, 1926)

Mirotermes (Spinitermes) robustus Snyder, 1926e: 62-63 (soldier), fig. 2a.

Type data: Holotype: USNM No. 27678 soldier. Paratypes: AMNH soldier, USNM workers. Type locality: Bolivia: Ixiamas.

- Snyder, 1949a: 176 Spinitermes robustus; catalog; reference list. Bolivia.
- Araujo, 1977c: 66 Spinitermes robustus; catalog. Bolivia, Brazil.
- Mathews, 1977: 116, figs. 55, 87 Spinitermes robustus; soldier described and figured. Brazil.
- Constantino and Cancello, 1993: 405 Spinitermes robustus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 208 Spinitermes robustus; catalog. Bolivia; Brazil.
- Fontes, 1998: 369 Spinitermes robustus; catalog; distribution. Brazil.
- (\$) DISTRIBUTION: Neotropical Region—Bolivia, Brazil: Goiás, Mato Grosso.

#### Spinitermes trispinosus (Hagen, 1858)

*Termes (Eutermes) trispinosus* Hagen, 1858c: 210–212, 243, 284–285 (soldier), pl. 1: fig. 11 [Hagen (1858c) credited this specific name to Bates, but Hagen was the one who made the name available].

Type data: Syntypes: MCZ No. 424 soldiers.

Type locality: Brazil: Santarém.

- Hagen, 1858b: 29 *Termes (Entermes* [sic]) *trispinosus*; imago described; synonymy; distribution. Locality unknown.
- Hagen, 1861b: 301 Termes trispinosus; synonymy; distribution. Brazil.
- Wasmann, 1897b: 152 Termes (Spinitermes) trispinosus; listed as type species.
- Desneux, 1904b: 46 Termes (Eutermes) trispinosus; reference list; synonymy. Brazil.
- Holmgren, 1906: 670 Spinitermes trispinosus; distribution; new combination. Brazil.
- Holmgren, 1912a: 109 Mirotermes (Spinitermes) trispinosus; listed. Brazil.
- Snyder, 1949a: 176 Spinitermes trispinosus; catalog; reference list; new combination. Brazil.
- Mathur and Thapa, 1962a: 119 Spinitermes trispinosus; collection catalog. Brazil.
- Morimoto, 1975b: 36, fig. 133 Spinitermes trispinosus; soldier figured.
- Araujo, 1977c: 66 Spinitermes trispinosus; catalog. Brazil.

- Mathews, 1977: 114–115, figs. 48, 52, 53, 59, 86, pl. 22 *Spinitermes trispinosus*; imago, soldier, worker described and figured. Brazil.
- Mill, 1983b: 313 Spinitermes trispinosus; nest site; swarming; locality. Brazil.
- Bandeira and Macambira, 1988: 175–190 Spinitermes trispinosus; ecology; distribution.
- Constantino and Cancello, 1993: 405 Spinitermes trispinosus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 208 Spinitermes trispinosus; catalog. Brazil.
- Fontes, 1998: 369 Spinitermes trispinosus; catalog; distribution. Brazil.
- Constantino and Cancello, 1999: 197 Spinitermes trispinosus; additions and corrections to Mathews, 1977.
- Issa, 2000: 381 Spinitermes trispinosus; checklist; distribution. Venezuela.
- Davies, 2002: 241 Spinitermes trispinosus; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Davies et al., 2003a: 522 Spinitermes trispinosus; checklist; ecology; feeding groups; distribution.
   French Guiana.
- Apolinário and Martius, 2004: 23–28 *Spinitermes trispinosus*; ecology; tree trunks; Amazonian rainforest.
- Ferreira da Cunha et al., 2006: 518 *Spinitermes trispinosus*; checklist; distribution. Brazil: Goiás State.
- DISTRIBUTION: Neotropical Region—Brazil; French Guiana.

# Syncapritermes Ahmad and Aktar, 1981

Syncapritermes Ahmad and Akhtar, 1981: 13-19.

Type species: Capritermes greeni John, 1925 by original designation.

- Snyder, 1949a: 192 Capritermes [part]; catalog; reference list.
- Chhotani, 1987: 411, 416 Syncapritermes; Oriental Region distribution and zoogeography.
- ▲ 1 species.
- DISTRIBUTION: Oriental Region.

#### Syncapritermes greeni (John, 1925)

Capritermes greeni John, 1925: 414-415 (imago, soldier, worker).

Type data: Syntypes: BMNH imagoes, soldiers, workers (Malaysia: Kajang, Selangor), BMNH imagoes, soldiers, workers (Malaysia: Kuala Lumpur), AMNH soldiers, workers (Malaysia: Kajang, Selangor), AMNH soldiers, workers (Malaysia: Kuala Lumpur).

Type localities: Malaysia: Kajang, Kuala Lumpur, Selangor.

- Snyder, 1949a: 194 Capritermes greeni; catalog. Malaya.
- Ahmad, 1958: 190 Capritermes greeni; key.
- Krishna, 1968: 299, 300, 303, 304, 305, figs. 27B, 30K *Procapritermes greeni*; listed; worker and soldier mandibles figured; new combination.
- Morimoto, 1975b: 32, fig. 102d Procapritermes greeni; soldier mandibles figured.
- Ahmad and Akhtar, 1981: 13–19, fig. 7 *Syncapritermes greeni*; soldier, worker described and figured; new combination.
- Tho, 1992: 101, 199, fig. 39B Procapritermes greeni; soldier described and figured. Malaysia.
- Ahmad and Akhtar, 2002: 66 Syncapritermes greeni; catalog. Malaysia: Mainland.
- Jones and Prasetyo, 2002: 121, table 1 *Syncapritermes greeni*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 122 Syncapritermes greeni; checklist; distribution. Malaysia: Mainland.
- 🔇 DISTRIBUTION: Oriental Region—Indonesia: Kalimantan; Malaysia: Mainland.

# Synhamitermes Holmgren, 1912

Synhamitermes Holmgren, 1912a: 91 [first introduced as a subgenus of Hamitermes Silvestri, 1903].

Type species: *Amitermes quadriceps* Wasmann, 1902 by subsequent designation; see Snyder, 1949a: 129.

- Emerson, 1928b: 408 Amitermes (Synhamitermes); distribution.
- Snyder, 1949a: 129 Synhamitermes [part]; catalog.
- Lal and Menon, 1953: 37, 41 Hamitermes (Synhamitermes); catalog; reference list; key.
- Emerson, 1955: 510 Synhamitermes; number of species; distribution.
- Weidner, 1955f: 72 Synhamitermes; number of species; distribution.
- Ahmad, 1958: 87, 90 Synhamitermes; key.
- Roonwal and Chhotani, 1962a: 294 Synhamitermes; key.
- Roonwal and Bose, 1964: 8 Synhamitermes; key.
- Chaudhry et al., 1972: 51 Synhamitermes; characters.
- Chhotani and Bose, 1973: 233 Synhamitermes; distribution. Indian region.
- Sen-Sarma, 1974: 440, 450, 455, 457 Synhamitermes; ecology and biogeography.
- Akhtar, 1975: 59, 60 Synhamitermes; key.
- Morimoto, 1975b: 29 Synhamitermes; key.
- Sen-Sarma et al., 1975: 2, 4, 8 Synhamitermes; distribution and ecology; key. India.
- Roonwal and Verma, 1977b: 466 Synhamitermes; ecology; biogeography.
- Chhotani and Bose, 1979b: 17, 21 *Synhamitermes* (also as *Syahamitermes* [sic]); nesting behavior and nests. India.
- Sen-Sarma and Thakur, 1979: 4 Synhamitermes; key.
- Chhotani and Bose, 1983: 126 Synhamitermes; distribution. Indian subcontinent.
- Maiti, 1983: 18, 24 Synhamitermes; key.
- Mill, 1983a: 182, 185 Synhamitermes; key; habitat; distribution.
- Chhotani, 1986: 22, 24 Synhamitermes; Oriental Region distribution and zoogeography.
- Chhotani, 1987: 409, 416-417 Synhamitermes; Oriental Region distribution and zoogeography.
- Thakur (R.K.), 1989: 9 Synhamitermes; key.
- Maiti and Saha, 1993: 517, 519 Synhamitermes; key.
- Chhotani, 1997: 95–97 *Synhamitermes*; synonymy; characters; distribution and composition; key to species.
- Fontes and Monteiro, 1998: 27 Synhamitermes; etymology and pronunciation.
- Bose, 1999: 25, 27, 143 Synhamitermes; key; distribution.
- Maiti et al., 2000: 298 Synhamitermes; key.
- Rathore and Bhattacharyya, 2004: 9 Synhamitermes; key.
- Rathore and Tak, 2004a: 44 Synhamitermes; key.
- Sornnuwat et al., 2004: 357, 359 Synhamitermes; key, number of species. Thailand.

#### ▲ 5 species.

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### Synhamitermes ceylonicus (Holmgren, 1913)

Hamitermes (Synhamitermes) ceylonicus Holmgren, 1913c: 225 (soldier, worker), pl. 8: fig. 21.

Type data: Syntypes: ZIHS soldier, worker.

Type locality: Sri Lanka (Ceylon).

- Escherich, 1911: 56–58 Hamitermes quadriceps [misidentification]; biology.
- Holmgren, 1911c: 205, 212, pl. 2: fig. T *Hamitermes quadriceps* [misidentification]; soldier figured; key; remarks; locality. Sri Lanka.

- Holmgren, 1912a: 91 Hamitermes (Synhamitermes) ceylonicus; nomen nudum. Sri Lanka.
- Holmgren, 1913c: 225 Hamitermes quadriceps [misidentification]; listed in synonymy.
- Bugnion, 1913d: 170 Hamitermes ceylonicus; antennal articles. Sri Lanka.
- Green, 1913: 13 *Hamitermes ceylonicus*; biology; locality. Sri Lanka. *Hamitermes quadriceps* [misidentification]; locality. Sri Lanka.
- Bugnion, 1914f: 184 Hamitermes ceylonicus; listed.
- John, 1925: 407–408 *Hamitermes (Synhamitermes) ceylonicus*; imago (previously unknown) described; locality; biology. Sri Lanka.
- Margabandhu, 1934: 710 *Hamitermes* (*Synhamitermes*) *ceylonicus*; annotated reference list; biology.
- Snyder, 1949a: 129 *Synhamitermes ceylonicus*; catalog; reference list; new combination. Sri Lanka.
- Lal and Menon, 1953: 41 Hamitermes (Synhamitermes) ceylonicus; catalog; reference list. Sri Lanka. Hamitermes (Synhamitermes) quadriceps [misidentification]; catalog [Sri Lanka references = ceylonicus].
- Ahmad, 1958: 177, 195 Synhamitermes ceylonicus; key.
- Roonwal and Sen-Sarma, 1960: 7, 14, fig. 3c *Synhamitermes ceylonicus*; key; soldier mandibles figured; comparisons.
- Roonwal and Chhotani, 1962a: 319, 394 Synhamitermes quadriceps; locality. [Sri Lanka only].
- Mathur and Thapa, 1962a: 51 Synhamitermes ceylonicus; collection catalog. Sri Lanka.
- Roonwal, 1970c: 347 Synhamitermes ceylonicus; biology; distribution.
- Sen-Sarma, 1974: 455 Synhamitermes ceylonicus; ecology and biogeography. Sri Lanka.
- Morimoto, 1975b: 29, fig. 84 Synhamitermes ceylonicus; soldier figured.
- Chhotani, 1997: 97–98, fig. 48c *Synhamitermes ceylonicus*; imago, soldier, worker described and figured; synonymy; key. Sri Lanka.
- Ahmad and Akhtar, 2002: 53 Synhamitermes ceylonicus; catalog. Sri Lanka.
- Constantino et al., 2002: 453 Synhamitermes ceylonicus; discussion.

#### © DISTRIBUTION: Oriental Region—Sri Lanka.

#### Synhamitermes colombensis Roonwal and Sen-Sarma, 1960

*Synhamitermes colombensis* Roonwal and Sen-Sarma, 1960: 1–7 (soldier, worker), figs. 1–3 [a synonym of *S. ceylonicus* fide Krishna, in litt.].

Type data: Holotype: FRI No. M.C. 19950/1 soldier (head and thorax only. Paratypes: FRI worker (head and thorax only), COM soldier, worker (heads only), ZSI soldier, worker (heads only), AMNH soldier (head only).

Type locality: Sri Lanka (Ceylon): Western Province: Colombo.

- Mathur and Thapa, 1962a: 51 Synhamitermes colombensis; collection catalog. Sri Lanka.
- Roonwal, 1970c: 345 Synhamitermes colombensis; listed.
- Sen-Sarma, 1974: 455 Synhamitermes colombensis; ecology and biogeography. Sri Lanka.
- Chhotani, 1997: 98–100, figs. 45, 48b *Synhamitermes colombensis*; soldier, worker described and figured; synonymy; key. Sri Lanka.
- Ahmad and Akhtar, 2002: 53 Synhamitermes colombensis; catalog. Sri Lanka.
- Constantino et al., 2002: 453 Synhamitermes colombensis; discussion.
- © DISTRIBUTION: Oriental Region—Sri Lanka.

## Synhamitermes labioangulatus Thakur, 1989

Synhamitermes labioangulatus Thakur (R.K.), 1989: 22-24 (soldier, worker) figs. 14, 15.

Type data: Holotype: ZSI soldier. Paratypes: ZSI soldiers, workers, DRSJ soldier, worker, FRI soldier, worker.

Type Locality: India: Gujarat: Valsad district: Kaprada: Kaprada forest near Govita village.

- Thakur (R.K.), 1991: 8, 14, 24, 35 *Synhamitermes labioangulatus*; ecology; biology; damage; distribution. India.
- Rathore and Tak, 2004a: 45, 55 Synhamitermes labioangulatus; key; synonymy; soldier, worker described; distribution. India.
- Rathore and Bhattacharyya, 2004: 11, 24, 64, pl. 2: fig. 18 *Synhamitermes labioangulatus*; key; checklist; soldier figured; distribution. India.
- ♠ DISTRIBUTION: Oriental Region—India: Gujarat.

#### Synhamitermes quadriceps (Wasmann, 1902)

Amitermes quadriceps Wasmann, 1902d: 123-124 (soldier, worker), pl. 4: fig. 5.

Type data: Lectotype: NHMM soldier. Paralectotypes: NHMM soldiers, workers, nymphs, AMNH soldier, FRI workers.

LECTOTYPE DESIGNATION: Chhotani, 1997: 100 [apparent first inadvertent lectotype selection by citation of the "holotype" in NHMM; an earlier citation may exist but none is explicitly cited by Chhotani, 1997].

Type Locality: India: Maharashtra: Khandala, near Bombay.

- Desneux, 1904b: 44 Termes (Eutermes) quadriceps; reference list; new combination. India.
- Holmgren, 1912a: 91, pl. 4: fig. 25 *Hamitermes* (*Synhamitermes*) *quadriceps*; listed; soldier figured; new combination. India.
- Holmgren, 1912c: 792 Hamitermes (Synhamitermes) quadriceps; listed.
- Holmgren, 1913c: 224 Hamitermes (Synhamitermes) quadriceps; soldier, worker described; key; distribution. India.
- Bugnion, 1913d: 170 Hamitermes quadriceps; antennal articles. India.
- Margabandhu, 1934: 710 *Hamitermes* (*Synhamitermes*) *quadriceps*; annotated reference list; biology.
- Snyder, 1949a: 129 Synhamitermes quadriceps; catalog; reference list; new combination. India.
- Ahmad, 1950: 83, fig. 13 Synhamitermes quadriceps; worker mandibles figured.
- Lal and Menon, 1953: 41–42 *Hamitermes* (*Synhamitermes*) *quadriceps*; catalog; systematic and biological reference list. India only [Sri Lanka references = *ceylonicus*].
- Ahmad, 1958: 176 Synhamitermes quadriceps; key.
- Roonwal and Sen-Sarma, 1960: 7, 14, figs. 3a, 4, 5 Synhamitermes quadriceps; synonymy; key; imago (previously undescribed) described and figured; soldier mandibles figured; distribution.
   India.
- Roonwal and Chhotani, 1962a: 317, 394, fig. 11 *Synhamitermes quadriceps*; soldier described and figured; distribution. India; Sri Lanka [Sri Lanka record probably = *ceylonicus*].
- Mathur and Thapa, 1962a: 51 Synhamitermes quadriceps; collection catalog. India.
- Roonwal and Bose, 1964: 4, 5, 22–23, fig. 10 *Synhamitermes quadriceps*; synonymy; imago, soldier described; soldier figured; distribution. India.
- Roonwal and Chhotani, 1965a: 22, 28 Synhamitermes quadriceps; distribution. India.
- Chatterjee and Thakur, 1968b: 560, 564–565 Synhamitermes quadriceps; synonymy; soldier measurements; distribution, India.

- Roonwal and Bose, 1969: 440, 446 Synhamitermes quadriceps; key; synonymy; distribution.
- Van Boven, 1969a: 43 Synhamitermes quadriceps; types listed.
- Roonwal, 1970c: 347 Synhamitermes quadriceps; biology; distribution.
- Chaudhry et al., 1972: 51–52, figs. 60, 61 *Synhamitermes quadriceps*; synonymy; imago, soldier measurements and figures; ecology; biology; distribution. Bangladesh.
- Sen-Sarma, 1974: 455-456 Synhamitermes quadriceps; ecology and biogeography. India.
- Akhtar, 1975: 159–162, 194, figs. 77, 78 *Synhamitermes quadriceps*; imago, soldier described and figured; key; distribution. Bangladesh.
- Sen-Sarma et al., 1975: 2, 53 Synhamitermes quadriceps; distribution and ecology. India.
- Roonwal, 1976: 464, 466, 468–469, 484–485, fig. 9g *Synhamitermes quadriceps*; soldier head figured; ecology; biology; distribution. India.
- Chhotani, 1977b: 369–370 *Synhamitermes quadriceps*; measurements; distribution; biology. India.
- Roonwal and Verma, 1977b: 461 Synhamitermes quadriceps; distribution. Bangladesh; India.
- Roonwal and Bose, 1978: 324, 328 Synhamitermes quadriceps; ecology; biology; distribution.
- Chhotani and Bose, 1979b: 21 Synhamitermes quadriceps; nesting behavior and nests. India.
- Sen-Sarma and Thakur, 1979: 15 Synhamitermes quadriceps; key; distribution. India.
- Thakur, 1980b: 121, 123, 126, fig. 2 Synhamitermes quadriceps; soldier figured; ecology; distribution. Bangladesh; India.
- Maiti, 1983: 18, 24, 68–70, fig. 20 *Synhamitermes quadriceps*; key; synonymy; imago, soldier described and figured; biology; distribution. India.
- Ahmad, 1986: 18 Synhamitermes quadriceps; distribution. Bangladesh.
- Roonwal and Chhotani, 1989: fig. 10f Synhamitermes quadriceps; soldier head figured.
- Thakur (R.K.), 1989: 24–25, fig. 16 *Synhamitermes quadriceps*; key; synonymy; soldier measurements and figure; distribution. Bangladesh; India [Sri Lanka incorrect].
- Thakur (R.K.), 1991: 8, 14, 24, 35 *Synhamitermes quadriceps*; ecology; biology; damage; distribution. Bangladesh; India.
- Maiti and Saha, 1993: 512 Synhamitermes quadriceps; listed; distribution. India.
- Thakur, 1994: 459 Synhamitermes quadriceps; ecology; distribution.
- Chhotani, 1995: 10 Synhamitermes quadriceps; ecology; distribution. India.
- Verma, 1995a: 48 Synhamitermes quadriceps; distribution. India: western Himalaya.
- Verma and Purohit, 1996: 238 Synhamitermes quadriceps; listed. India: Rajasthan.
- Rathore, 1996: 173 Synhamitermes quadriceps; ecology; distribution. India.
- Chhotani, 1997: 100–104, figs. 46–48a *Synhamitermes quadriceps*; imago, soldier, worker described and figured; synonymy; key. Bangladesh; India.
- Bose, 1999: 143 Synhamitermes quadriceps; distribution.
- Maiti et al., 2000: 296, 300 Synhamitermes quadriceps; listed; distribution. India.
- Noirot, 2001: 437, fig. 6F Synhamitermes quadriceps; gut characters; figured.
- Ahmad and Akhtar, 2002: 53 *Synhamitermes quadriceps*; catalog. Bangladesh; India [Sri Lanka incorrect].
- Constantino et al., 2002: 453, 454, 456, figs. 13–15 *Synhamitermes quadriceps*; discussion, worker mandibles figured. India.
- Rathore and Tak, 2004a: 45, 55–56 *Synhamitermes quadriceps*; key; synonymy; soldier, worker described; distribution. Bangladesh; India [Sri Lanka incorrect].
- Rathore and Bhattacharyya, 2004: 11, 24, 64, pl. 2: fig. 19 *Synhamitermes quadriceps*; key; checklist; soldier figured; ecology; distribution. Bangladesh; India [Sri Lanka incorrect].
- © DISTRIBUTION: Oriental Region—Bangladesh; India: Assam, Daman, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Rajasthan, Tripura, West Bengal.

#### Termes Linnaeus, 1758

#### Termes Linnaeus, 1758: 609.

Type species: *Termes fatalis* Linnaeus, 1758 by subsequent designation; see Banks, 1920: 8 [However, Latreille, 1802: 294, when he redescribed the genus, cited *fatale* as an "Example." This citation of 1802 by Latreille could be construed as a selection of the type species].

- Hagen, 1858b: 16, 26 *Termes* [part]; characters; *Termes* (*Termes*) [part]; characters; species included; *Termes* (*Entermes* [sic]) [part]; characters; species included.
- Hagen, 1858c: 32, 107, 108–109, 186–187 *Termes* [part]; characters; *Termes* (*Termes*) [part]; characters; species included; *Termes* (*Eutermes*) [part]; characters; species included.
- Froggatt, 1897a: 519 Termes [part]; characters.
- Haviland, 1898: 378, 416 Termes "section with T. comis for type"; characters; key.
- Silvestri, 1903: 49, 66 Termes [part]; reference list; characters; distribution.
- Desneux, 1904b: 26, 28–31 Termes [part]; characters.
- Kemner, 1934b: 84–85 *Termes*; history; discussion; synonymy.
- Kemner, 1934a: 19–53 Termes; history; discussion; synonymy.
- Hare, 1937: 478, pl. 5 *Termes*; phylogeny; *Mirotermes* (= *Termes*); Holmgren's phylogeny compared.
- Snyder, 1949a: 178 Termes; catalog; reference list.
- Emerson, 1955: 512 Termes; number of species; distribution.
- Weidner, 1955f: 73 *Termes*; number of species; distribution.
- Ahmad, 1958: 87, 91 Termes; key.
- Noirot and Kovoor, 1958: 450, 451, 452, 454, 461, 466, 468 Termes; digestive tube anatomy.
- Calaby and Gay, 1959: 212 Termes; zoogeography; number of species.
- Matsuda, 1960: 718 Termes; pleurosternal morphology.
- Tsai and Chen, 1964b: 72, 73, 82 Termes; key; characters.
- Bouillon and Mathot, 1965: 31, 110, 111, pl. 23: fig. 72c Termes; key; characters; imago/worker mandibles figured.
- Harris, 1968c: 6 Termes; key.
- Araujo, 1969: 250 Termes; key.
- Araujo, 1970d: 535 Termes [part]; distribution; number of species in Neotropical Region.
- Bess, 1970: 469 Termes; number of species; distribution. Oceanic Islands.
- Gay, 1971a: 5 Termes [part]; synonymy; characters.
- Bouillon and Mathot, 1971: table Termes; number of species in Ethiopian Region; soldier measurements.
- Coaton and Sheasby, 1972: 25, 77, 101, figs. 17A-B, 48 Termes; soldier figured; key; ecology; biology; distribution. Namibia.
- Chhotani and Bose, 1973: 235 Termes; distribution. Indian region.
- Araujo, 1977c: 67 Termes; catalog.
- Mathews, 1977: 129 Termes; synonymy; characters.
- Bandeira, 1979b: 490 Termes; ecology. Brazil: Amazonia State.
- Prestwich, 1979b: 468 Termes; defense; frontal gland.
- Roonwal and Verma, 1980b: 468 Termes [part]; wing microsculpturing.
- Mill, 1982a: 255 Termes; habitat; nest location; food; locality. Brazil.
- Chhotani and Bose, 1983: 126 Termes; distribution. Ethiopian Region.
- Mill, 1983a: 182, 185 Termes; key; number of species in New World; habitat; distribution.
- Roonwal, 1983b: 365 Termes; wing microsculpturing.
- Collins, 1984: 78 *Termes*; key.
- Abe, 1987: 127 Termes; ecology; nest distribution.
- Chhotani, 1987: 409, 416-417 Termes; Oriental Region distribution and zoogeography.
- Huang et al., 1989: 487 Termes; key; characters; distribution.
- Nickle and Collins, 1990: 94, 117 Termes; key; characters.

- Carpenter, 1992: 142 Termes; listed; distribution.
- Nickle and Collins, 1992: 225, 227, 231 Termes; key; characters.
- Chhotani, 1997: 269–271 Termes; synonymy; characters; distribution and composition.
- Constantino, 1998b: 208 Termes; catalog.
- Fontes, 1998: 369 Termes; catalog.
- Fontes and Monteiro, 1998: 23 Termes; etymology and pronunciation.
- Sands, 1998: 33, 254–256, figs. 1171–1193, pl. 16: fig. 4 *Termes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- Constantino, 1999a: 407, 418 Termes; key; biology; distribution.
- Huang et al., 2000: 546, 548, 704 Termes; key; characters; distribution.
- Thorne et al., 2000: 80 Termes; number of fossil species; age; distribution.
- Constantino, 2002a: 24 Termes; key.
- Uys, 2002: 67, 90–92, fig. 224 *Termes*; key; species included; diagnosis; biology; distribution. South Africa.
- DeSouza et al., 2003: 645 Termes; nesting habits.
- Sornnuwat et al., 2004: 357, 359 Termes; key; number of species. Thailand.

# *Mirotermes* Wasmann, 1897b: 152 [first introduced as a subgenus of *Termes* Linnaeus, 1758].

Type species: Termes (Mirotermes) saltans Wasmann, 1897, by original designation.

- Escherich, 1909: 177 Mirotermes; characters.
- Holmgren, 1910b: 286 Mirotermes; listed.
- Holmgren, 1911a: 12 Mirotermes; listed.
- Wasmann, 1911c: 150 Mirotermes; key.
- Holmgren, 1912a: 98, 105–112 *Mirotermes*; characters; key; subgenera included; systematic position; *Mirotermes* (*Mirotermes*); characters; key; species included; systematic position.
- Banks, 1919: 479 Mirotermes; key.
- Warren, 1919: 2 Mirotermes; distribution.
- Fuller, 1921: 21, 22 Mirotermes; key.
- Emerson, 1925: 432, 435 *Mirotermes*; discussion; subgenera included; *Mirotermes* (*Mirotermes*); distribution.
- Fuller, 1925b: 177 Mirotermes [part]; discussion.
- Sjöstedt, 1926d: 268, 275 Mirotermes [part]; key; reference list; characters; species included.
- Snyder, 1926e: 59, 60 *Mirotermes*; discussion; subgenera included; *Mirotermes* (*Mirotermes*); distribution.
- Bathellier, 1927: 167–168 Mirotermes; characters; subgenera included; Mirotermes (Mirotermes); characters.
- Emerson, 1928b: 408, 420, 537 Mirotermes (Mirotermes); key; discussion; distribution.
- Light, 1933: 82, 141 Mirotermes (Mirotermes); key.
- Snyder, 1934a: 26, 28 Mirotermes; key.
- Kemner, 1934b: 85 Mirotermes; synonymized with Termes.
- Hill, 1942: 9, 13, 14, 377–379 *Mirotermes* [as genus and subgenus, in part]; key; synonymy; imago, soldier, worker characters.
- Tembrock, 1944: fig. 36 Mirotermes; map; species distribution.
- Ratcliffe et al., 1952: 116 Mirotermes [part]; characters; species included.
- Lal and Menon, 1953: 36, 50 *Mirotermes*; catalog; reference list; key; *Mirotermes* (*Mirotermes*); catalog; reference list.
- Webb, 1961: 11 *Mirotermes*; key.

## ▲ 24 living species, 2 fossil species.

🌖 🕏 OISTRIBUTION: Ethiopian Region; Neotropical Region; Oriental Region; Palaearctic Region.

#### Termes amaralii (Seabra, 1919)

Mirotermes amaralii Seabra, 1919a: 4-6 (imago, soldier, worker), figs. 34-40.

TYPE DATA: Syntypes: DZUC imagoes, soldiers, workers [depository uncertain; possibly MBL: Museu Nacional de História Natural, Universidade Lisboa].

Type Locality: São Tomé: Bindá.

- Seabra, 1919b: 21 Mirotermes amaralii; nomen nudum; distribution. São Tomé.
- Seabra and Seabra, 1921: 88 Mirotermes amaralii; distribution. São Tomé.
- Seabra, 1922c: 87 Mirotermes Amaralii; distribution. São Tomé.
- Seabra, 1922a: 50-53 Mirotermes Amaralii; incorrectly described again as new species; soldier described and figured; distribution. São Tomé.
- Snyder, 1949a: 178 Termes amaralii; catalog; reference list; new combination. São Tomé.
- Bouillon and Mathot, 1971: table: no. 335 Termes amaralii; measurements.
- Tomé and Principe: São Tomé.

#### Termes ayri Bandeira and Cancello, 1992

Termes ayri Bandeira and Cancello, 1992: 432-433 (soldier, worker), figs. 14-16.

TYPE DATA: Holotype: INPA 307 soldier. Paratypes: INPA 307 soldiers, workers, MPEG 3692, 3233 soldiers, workers, MZUSP 9450, 9442, 9421 soldiers, workers.

Type locality: Brazil: Roraima: Ilha de Maracá.

- Constantino, 1998b: 208 Termes ayri; catalog. Brazil.
- Fontes, 1998: 369 Termes ayri; catalog; distribution. Brazil.
- S DISTRIBUTION: Neotropical Region—Brazil.

#### Termes baculi (Sjöstedt, 1900)

Eutermes baculi Sjöstedt, 1900b: 278 (soldier, worker).

Type data: Syntypes: NHRM soldiers, workers, AMNH soldier, worker.

Type locality: Cameroon: Ekundu.

- Sjöstedt, 1900a: 71, 78, 196–197, pl. 5: figs. H1, H2 *Eutermes baculi*; soldier, worker described; soldier figured; key; biology; distribution. Cameroon.
- Sjöstedt, 1904: 38, 45, 86, 114 Eutermes baculi; key; distribution. Sudan.
- Desneux, 1904b: 40 Termes (Eutermes) baculi; reference list; new combination. Cameroon; Sudan.
- Trägårdh, 1904: 5, 33 Eutermes baculi; key; nest characters.
- Sjöstedt, 1907b: 246 Eutermes baculi; locality. Congo-Zaire.
- Holmgren, 1912a: 109 *Mirotermes (Mirotermes) baculi*; listed; new combination. Cameroon; Sudan.
- Hegh, 1922: 372, 700, fig. 15m *Mirotermes (Mirotermes) baculi*; biology; reference list; distribution.
- Sjöstedt, 1926d: 275, 276 *Mirotermes baculi*; reference list; key; biology; remarks; locality. Cameroon; Congo-Zaire; Sudan.
- Snyder, 1949a: 178 Termes baculi; catalog; reference list. Cameroon; Congo-Zaire; Sudan.
- Noirot, 1955b: 502–503, fig. 79 *Termes baculi*; soldier-nymph figured; caste development; polymorphism.
- Noirot and Kovoor, 1958: 470, pl. 2: fig. 10 Termes baculi; digestive tube anatomy; enteric valve figured.
- Bouillon and Mathot, 1965: 45 Termes baculi; catalog. Ivory Coast.

- Deligne, 1965: 179–186, figs. 1, 2 Termes baculi; soldier mandibles; functional morphology; defense.
- Deligne, 1967: 133-135, fig. 3 Termes baculi; soldier mandibles; functional morphology; defense.
- Harris, 1968c: 2, 14 Termes baculi; biology; locality. Sudan.
- Bouillon and Mathot, 1971: table: no. 336 Termes baculi; measurements.
- Mathot, 1978: 52 Termes baculi; collection catalog; types listed.
- Johnson et al., 1980: 60 Termes baculi; checklist; biology; distribution. Guinea; Nigeria.
- Medler, 1980: 56 Termes baculi; checklist. Cameroon; Ghana; Nigeria.
- Prestwich, 1984a: table 1 Termes baculi; checklist; ecology; defense mode; chemicals; distribution.
- Roonwal and Chhotani, 1989: 21 Termes baculi; thorax and wings discussed.
- Tistribution: Ethiopian Region—Cameroon; Congo-Zaire; Gabon; Guinea; Ivory Coast (Côte d'Ivoire); Nigeria; Sudan.

#### Termes baculiformis (Holmgren, 1909)

*Mirotermes baculiformis* Holmgren, 1909b: 83–84 (imago, soldier, worker) [Though no locality or type specimens are mentioned, this paper (July 15), in which Holmgren mentions morphological characters, has priority over his July 25, 1909a paper, in which he formally describes this as a new species].

Type data: Syntypes: ZIHS imagoes, soldiers, workers, AMNH soldier, workers.

Type locality: Madagascar: Ste. Marie de Marovoay, Majunga; see Holmgren, 1909a.

- Holmgren, 1909a: 12–16, fig. 3, pl. 1: fig. 2 *Mirotermes baculiformis*; formally described (imago, soldier, worker, and nest) as a new species, with type locality. Madagascar.
- Holmgren, 1912a: 109 Mirotermes (Mirotermes) baculiformis; listed. Madagascar.
- Sjöstedt, 1914a: 10 Eutermes (Mirotermes) baculiformis; locality; new combination. Madagascar.
- Hegh, 1922: 96, 700, fig. 352 Mirotermes (Mirotermes) baculiformis; biology; reference list; distribution.
- Sjöstedt, 1926d: 276, 277, 379 *Mirotermes baculiformis*; reference list; key; biology; locality. Madagascar.
- Sjöstedt, 1926a: 1 Mirotermes baculiformis; listed.
- Snyder, 1949a: 178 Termes baculiformis; catalog; reference list; new combination. Madagascar.
- Cachan, 1949: 188, 241–242, fig. 27 *Mirotermes baculiformis*; key; synonymy; soldier described and figured; biology. Madagascar.
- Mathur and Thapa, 1962a: 120 Termes baculiformis; collection catalog. Madagascar.
- Mathot, 1978: 52 Termes baculiformis; collection catalog; types listed. Madagascar.
- Eggleton and Davies, 2003: 657, table 8.26 *Termes baculiformis*; checklist; distribution. Madagascar and associated coastal islands.
- TISTRIBUTION: Ethiopian Region—Madagascar.

# Termes bolivianus (Snyder, 1926)

Mirotermes (Mirotermes) bolivianus Snyder, 1926e: 60-61 (soldier).

Type data: Holotype: USNM No. 27677 soldier. Paratypes: USNM soldiers, workers, AMNH soldiers, worker.

Type locality: Bolivia: Ivon.

- Snyder, 1949a: 178 Termes bolivianus; catalog; reference list; new combination. Bolivia.
- Araujo, 1977c: 66 Termes bolivianus; catalog. Bolivia; Brazil.

- Mathews, 1977: 130, figs. 77, 90 Termes bolivianus; soldier figured. Brazil.
- Mill, 1983b: 313 Termes bolivianus; nest site; swarming; locality. Brazil.
- Prestwich, 1984a: table 1 Termes bolivianus; checklist; ecology; defense mode; chemicals; distribution.
- Constantino and Cancello, 1993: 405 Termes bolivianus; distribution. Brazil: Amazonia.
- Constantino, 1998b: 208 Termes bolivianus; catalog. Bolivia; ?Brazil.
- Amaral-Castro et al., 2004: 720, table 1 Termes bolivianus; damage; Eucalyptus; distribution.
   Brazil: Minas Gerais.
- Torales et al., 2005b: 259-280 Termes cf. bolivianus; checklist; diversity; distribution. Argentina.
- TISTRIBUTION: Neotropical Region—Bolivia; Brazil.

## Termes boultoni Coaton and Sheasby, 1978

Termes boultoni Coaton and Sheasby, 1978b: 2-10 (imago, soldier), pls. 1, 2.

Type data: Holotype: NCIP imago, morphotype soldier. Paratypes: NCIP imagoes, soldiers, workers, NCIP imagoes soldiers, workers from several series [not type colony and type locality], NCIP imagoes, soldiers, workers [several series; not type colony and type locality], NCIP imagoes, soldiers, workers [not type colony and type locality].

Type locality: Namibia (South West Africa): 48 km ex Rundu Grootfontein.

- Nkunika, 1982: 114 Termes boultoni; ecology; distribution. Zambia.
- Irish, 1985: 110–111 Termes boultoni; types listed.
- Sands, 1998: 256 Termes boultoni; distribution. Zambia.
- Uys, 2002: fig. 223 Termes boultoni; nest figured.

Termes kalaharicus Irish, 1985: 111 [nomen nudum; name credited to Coaton].

TISTRIBUTION: Ethiopian Region—Zambia; Zimbabwe.

#### Termes brevicornis Haviland, 1898

Termes brevicornis Haviland, 1898: 418-419 (imago, soldier, worker).

Type data: Syntypes: CUMZ No. 458 imagoes, soldiers, workers, nymphs, AMNH soldier, worker, nymphs.

Type locality: Malaysia: Borneo: Sarawak.

- Desneux, 1904b: 41 Termes (Eutermes) brevicornis; reference list. Malaysia: Borneo.
- Holmgren, 1912a: 109 *Mirotermes (Mirotermes) brevicornis*; listed; new combination. "Hinterindien."
- Holmgren, 1913c: 238, pl. 6: figs. 10, 16 *Mirotermes (Mirotermes) brevicornis*; imago, soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo.
- Bugnion, 1913d: 170 Mirotermes brevicornis; antennal articles. Malaysia: Sarawak.
- John, 1925: 411 Mirotermes brevicornis; locality; key. Malaysia: Sarawak; Singapore.
- Snyder, 1949a: 179 Termes brevicornis; catalog; reference list. Borneo.
- Ahmad, 1958: 179, 180 Termes brevicornis; key.
- Harris, 1966a: 14 *Termes brevicornis*; Haviland's types and type localities listed.
- Morimoto, 1976b: 34 Termes brevicornis; key; distribution.
- Tho, 1992: 206 Termes brevicornis; listed.
- Ahmad and Akhtar, 2002: 58 Termes brevicornis; catalog. Malaysia: Mainland, Sarawak.
- Gathorne-Hardy, 2004: 120 Termes brevicornis; checklist; distribution. Malaysia: Sarawak.
- © DISTRIBUTION: Oriental Region—Malaysia: Sarawak.

## Termes capensis (Silvestri, 1914)

Mirotermes capensis Silvestri, 1914a: 128–129 (soldier, worker) [This species was renamed winifredae by Snyder and Emerson, 1949a when it was transferred from Mirotermes to Termes because the name was "preoccupied by Termes, now Odontotermes (O.) capensis De Geer 1778"; however, the name winifredae is invalid (ICZN, 1999: art. 59), as the two names were never congeneric at the same time].

Type data: Syntypes: IEA soldier, worker.

Type locality: South Africa: Stellenbosch [33°56′S, 18°51′E].

- Hegh, 1922: 499, 700 Mirotermes (Mirotermes) capensis; biology; reference list; distribution.
- Fuller, 1925b: 182–183, 216 *Mirotermes (Mirotermes) capensis*; soldier described; key; locality. South Africa.
- Sjöstedt, 1926d: 275, 277 Mirotermes capensis; reference list; key; biology; locality. South Africa.
- Krishna et al., this work *Termes capensis*; **new combination**.

Termes winifredae Snyder, 1949a: 187 [unnecessary nom. nov. for Mirotermes capensis Silvestri, 1914 (ICZN, 1999: art. 59), as the names were never congeneric at the same time].

- Snyder, 1949a: 187 *Termes winifredae*; catalog; reference list; *Mirotermes capensis* listed as a homonym. South Africa.
- Mathur and Thapa, 1962a: 121 Termes winifredae; collection catalog. South Africa.
- Bouillon and Mathot, 1971: table: no. 341 Termes winifredae; measurements.
- Coaton and Sheasby, 1978b: 10–13, pl. 3 *Termes winifredae*; imago (previously undescribed), soldier, worker described and figured; ecology; biology; distribution. South Africa.
- Sands, 1998: 256, 439, 440, figs. 1180–1182, 1191–1193 *Termes winifredae*; worker mandibles, gut figured; distribution. South Africa.
- Uys, 2002: figs. 220-222 Termes winifredae; soldier figured.
- TISTRIBUTION: Ethiopian Region—South Africa.

#### Termes comis Haviland, 1898

Termes comis Haviland, 1898: 417-418 (imago, soldier, worker), pl. 25: figs. 61-64.

Type data: Syntypes: CUMZ No. 305 imagoes, soldiers, workers (Malaysia: Borneo: Sarawak), CUMZ imagoes, soldiers, workers (Singapore), AMNH imagoes, soldiers, workers (Malaysia: Borneo: Sarawak), AMNH imagoes, soldiers, workers (Singapore), USNM imago, soldier, worker, FRI imagoes, soldiers, workers, nymphs (Malaysia: Borneo: Sarawak and Singapore). Type localities: Malaysia: Borneo, Sarawak; Singapore.

- Desneux, 1904b: 41 Termes (Eutermes) comis; reference list. Malaysia: Mainland, Borneo.
- Holmgren, 1912a: 109, 111, fig. 80, pl. 4: figs. 9, 12 *Mirotermes (Mirotermes) comis*; listed; soldier figured; new combination. "Hinterindien."
- Holmgren, 1913c: 235, pl. 6: figs. 12, 14 *Mirotermes (Mirotermes) comis*; imago, soldier, worker described; soldier figured; key; distribution. Malaysia: Borneo; Singapore.
- Bugnion, 1913d: 170 Mirotermes comis; antennal articles. Malaysia: Mainland, Sarawak.
- John, 1925: 409, 411, 412 *Mirotermes comis*; locality; biology; key. Malaysia: Mainland, Sarawak; Singapore; *Mirotermes rostratus* [misidentification]; locality [imago from Sumatra: Kota Bahru only = *comis* fide Emerson].
- Bathellier, 1927: 168–170, 220, 330 *Mirotermes (Mirotermes) comis*; imago, soldier worker described; biology. Vietnam.
- Snyder, 1931a: 550 Mirotermes (Mirotermes) comis; locality. Vietnam.

- Snyder, 1949a: 179 Termes comis; catalog; reference list. Borneo; Malaya.
- Ahmad, 1958: 179, 180 Termes comis; key.
- Mathur and Thapa, 1962a: 120 Termes comis; collection catalog. Malaysia; Singapore.
- Ahmad, 1965: 90, 92–94, 110, figs. 96, 97 *Termes comis*; imago, soldier described and figured; key; synonymy; distribution. Thailand.
- Harris, 1966a: 14 Termes comis; Haviland's types and type localities listed; biology.
- Harris, 1968d: 143, 146 Termes comis; locality. Thailand.
- Roonwal, 1970c: 351 Termes comis; biology; distribution.
- Morimoto, 1976b: 34 Termes comis; key; distribution.
- Roonwal and Verma, 1980b: 462-463 Termes comis; wing microsculpturing.
- Collins, 1984: 68, 70, fig. 28 *Termes comis*; ecology; soldier figured; distribution. Malaysia: Sarawak
- Tho, 1992: 96, 199, 206, fig. 37A Termes comis; soldier described and figured. Malaysia.
- Parveen and Akhtar, 1997: 58–60, figs. 3, 4, 5B *Termes comis*; digestive tube, enteric valve described and figured.
- Jones and Brendell, 1998: 79–91 *Termes comis*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Gathorne-Hardy et al., 2000a: 258 *Termes comis*; checklist; ecology; biogeography; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 58, 59 *Termes comis*; catalog. Malaysia: Sarawak; Singapore; Thailand.
- Fujita and Abe, 2002: 76–78 *Termes comis*; gut enzymes. Thailand.
- Jones and Prasetyo, 2002: 121, table 1 *Termes comis*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Klangkaew et al., 2002: 485-493 Termes comis; abundance; nest density; distribution. Thailand.
- Tayasu et al., 2002b: 195-206 Termes comis; carbon isotopes; feeding. Thailand.
- Takematsu et al., 2003: 593, fig. 4 Termes comis; nest abundance and distribution. Thailand.
- Yamada et al., 2003: 569–585 *Termes comis*; nest density, population; caste proportion. Thailand.
- Gathorne-Hardy, 2004: 97–98, 120, fig. 1 Termes comis; soldier figured; synonymy; remarks; checklist; distribution. Indonesia: Kalimantan, Siberut Island, Sumatra; Malaysia: Mainland, Sarawak.
- Ohkuma et al., 2004: 701–710 Termes comis; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Termes comis; checklist; distribution. Thailand.
- Hyodo et al., 2006: 385–393 Termes comis; diet age; carbon and nitrogen isotope ratios.
   Thailand.
- Inoue et al., 2006: 611, table 1 Termes comis; checklist; feeding groups; ecology; distribution.
   Thailand.
- Yamada et al., 2006: 76 Termes comis; feeding groups; distribution. Thailand.

Termes borneensis Thapa, 1982: 177-179 (soldier, worker), pl. 59.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers, FRI soldiers, workers [several series from non-type localities].

TYPE LOCALITY: Malaysia: Sabah: Keningau District, mile 6.

- Eggleton et al., 1998a: 119–128 *Termes borneensis*; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Jones et al., 1998: 101, table 1 Termes borneensis; checklist; feeding; ecology. Malaysia: Sabah.
- Eggleton et al., 1999b: 1795, table 1 Termes borneensis; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jeeva et al., 1999: 11–17 *Termes borneensis*; feeding habits; respiration; gas exchange; methane emissions. Malaysia: Sabah.
- Jones, 2000: 271–286 Termes borneensis; checklist; biology; ecology. Malaysia: Sabah.

- Jones and Prasetyo, 2002: 121, table 1 *Termes borneensis*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Ohkuma et al., 2004: 701-710 Termes borneensis; phylogeny; COII sequences.
- Gathorne-Hardy, 2004: 98 Termes borneensis; remarks; synonymized with comis.

Termes kalumpangensis Thapa, 1982: 179-180 (soldier, worker), pl. 60.

Type data: Holotype: FRI soldier. Paratypes: FRI soldiers, workers.

TYPE LOCALITY: Malaysia: Sabah: Kunak-Mostyn District: Kalumpang.

- Gathorne-Hardy, 2004: 98 Termes kalumpangensis; remarks; synonymized with comis.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak; Singapore; Thailand; Vietnam.

#### Termes fatalis Linnaeus, 1758

Termes fatale Linnaeus, 1758: 609-610 (soldier).

Type data: Neotype AMNH soldier [The original locality mentioned by Linnaeus was India, which was later corrected to Suriname: Paramaribo].

NEOTYPE DESIGNATION: Miller, 1991: 1154 • Neotype from Kartabo, Guyana selected.

TYPE LOCALITY: Guyana: Kartabo.

- De Geer, 1778: 50 Termes fatale; cited in synonymy with Termes destructor.
- Linné [Linnaeus], 1767: 1015 Termes fatale; description; locality. India.
- Fabricius, 1775b: 390 Termes fatale [part]; imago, soldier described; locality. India [incorrect].
- Fabricius, 1775a: 177–180 Termes fatale; remarks; discussion.
- Fabricius, 1781: 395 Termes fatale; synonymy, imago, soldier described; locality. [India, Equatorial Africa both incorrect].
- Smeathman, 1781: 174 Termes fatalis; discussion.
- Gmelin, 1790: 2911–2912 *Termes fatale*; synonymy; imago (larva), soldier ("pupa") described; biology; locality. [India, Equatorial Africa both incorrect].
- Fabricius, 1793: 87 *Termes fatale*; synonymy; description; locality. "America" [Africa, India both incorrect].
- Turton, 1802: 692–693 *Termes fatale*; English translation of Gmelin 1790; synonymy; imago (larva), soldier ("pupa") described; biology; locality. [India, Equatorial Africa both incorrect].
- Hagen, 1855: 39, 41–42, 52, 56, 73, 77, 102, 270–273, 275–277, 281–283, 287–288, 291, 296 *Termes fatale*; also as *fatalis*; discussion [refers to many species, now placed in other genera, *Odontotermes koenigi*; *Syntermes dirus*, etc.].
- Pictet-Baraban and Hagen, 1856: 49 Termes fatale; discussion.
- Heer, 1876b: 22 Termes fatalis; mentioned.
- Girard, 1879: 282 Termes fatalis; discussion.
- Banks, 1920: 8 Termes fatale; discussion on type species.
- Fuller, 1924c: 356 Termes fatale; synonymy; discussion.
- Emerson, 1925: 298 Termes fatalis; remarks on type species of Termes.
- Kemner, 1934b: 84 Termes fatale; discussion on validity.
- Kemner, 1934a: 19–53, figs. 1, 2 Termes fatale; detailed history of the species; biology.
- Snyder, 1949a: 180 Termes fatalis; catalog; reference list. Guyana; Suriname.
- Ahmad, 1950: 84, fig. 16 Termes fatalis; worker mandibles figured.
- Gonçalves and Silva, 1962: 208 Termes fatalis; checklist; locality. Brazil.
- Mathur and Thapa, 1962a: 120 Termes fatalis; collection catalog. Guyana; Venezuela.
- Gay, 1971a: 5 Termes fatalis; listed.
- Morimoto, 1975b: 36, fig. 129 Termes fatalis; soldier figured.

- Araujo, 1977c: 66, 67 Termes fatalis; catalog, synonymy. Brazil; Guyana.
- Roonwal and Verma, 1980b: 463, figs. 2U-W Termes fatalis; wings described; wing microsculpturing.
- Mill, 1983b: 313 Termes fatalis; nest site; swarming; locality. Brazil.
- Prestwich, 1984a: table 1 Termes fatalis; checklist; ecology; defense mode; chemicals; distribution.
- Bandeira and Macambira, 1988: 175–190 Termes fatalis; ecology; distribution.
- Bandeira, 1990: 225–241, table 1 Termes fatalis; ecology; distribution.
- Miller, 1991: 1154–1157, figs. 18–21, 222–224, 330 *Termes fatalis*; imago, soldier described and figured; neotype selected. Guyana.
- Constantino and Cancello, 1993: 405 Termes fatalis; distribution. Brazil: Amazonia.
- Scheffrahn et al., 1994: 226, 234 Termes fatalis; distribution. Trinidad.
- Constantino, 1998b: 208 Termes fatalis; catalog; synonymy. Brazil; Guianas; Trinidad.
- Fontes, 1998: 369 Termes fatalis; catalog; distribution. Brazil.
- Bandeira and Vasconcellos, 1999: 40, table 1 Termes fatalis; checklist; ecology; distribution. Brazil.
- Eggleton et al., 1999a: 688 Termes fatalis; checklist. Guyana.
- Constantino, 2002c: 358, table 3 *Termes fatalis*; checklist; damage; distribution. Amazonia; Guianas; Trinidad.
- Davies, 2002: 241 Termes fatalis; checklist; ecology; feeding groups; distribution. French Guiana.
- Davies et al., 2003a: 522 Termes fatalis; checklist; ecology; feeding groups; distribution. French Guiana.
- Ensaf et al., 2003b: 479–480 Termes fatalis; soldier, worker described; worker figured; distribution. French Guiana.
- Scheffrahn et al., 2003b: 33–38 *Termes fatalis*; distribution. Trinidad and Tobago.
- Ensaf et al., 2004: 285 Termes fatalis; checklist; distribution. French Guiana.
- Mélo and Bandeira, 2004: 711, table 1 Termes cf. fatalis; ecology; distribution. Brazil: Paraíba.
- Apolinário and Martius, 2004: 23–28 *Termes fatalis*; ecology; tree trunks; Amazonian rainforest.
- Torales et al., 2005b: 259-280 Termes cf. fatalis; checklist; diversity; distribution. Argentina.

Termes destructor De Geer, 1778: 50 (soldier), pl. 37: figs. 1, 2, 7, 8 [Termes fatale Linnaeus (1767, 12th edition, p. 1015) listed in synonymy. Senior primary homonym of Termes destructor Smeathman, 1781 (see under Odontotermes smeathmani)].

Type data: Syntypes: NHRM soldiers.

Type locality: Suriname.

- Fabricius, 1781: 395 Termes destructor; synonymized with fatale.
- De Geer, 1783a: 25 *Termes destructor*; German translation of De Geer, 1778.
- Hagen, 1855: 271 Termes destructor; discussion.

Mirotermes (Mirotermes) acutinasus Emerson, 1925: 439-440 (imago, soldier), fig. 86.

Type data: Holotype: AMNH king. Paratypes: AMNH queen, king, soldiers, workers. Type locality: Guyana: Kartabo.

- Snyder, 1949a: 180 Mirotermes (Mirotermes) acutinasus; synonymized with fatalis.
- 💲 DISTRIBUTION: Neotropical Region—Brazil; French Guiana; Guyana; Trinidad and Tobago.

#### Termes hispaniolae (Banks, 1918)

Mirotermes hispaniolae Banks, 1918: 662 (imago only) [Note: Banks, 1919: 481 again described *M. hispaniolae* as a "sp. nov." based on a soldier and mentioned MCZ type 10077 from Haiti and "paratype" from Cuba. Though Banks apparently presumed that the 1919 paper would

be published before the 1918 paper, Banks, 1918 is to be considered as the only valid original description. In the 1918 description of the imago of M. hispaniolae from Panama, Banks did not mention types, but included a statement "The species was based on soldiers from Hayti [sic]," which does not constitute type designation. Under ICZN, 1999, art. 72.4.1, the type series of Mirotermes hispaniolae consists of all the specimens included by Banks, 1918 in this new taxon, that is, the series of imagoes from Panama whose description is provided and the series of "soldiers from Hayti" mentioned without description in the same paper. All the specimens of the type series are syntypes (ICZN, 1999, art. 73.2). The AMNH collection has imago specimens from Panama labeled "Termes hispaniolae" in Banks' handwriting, a single soldier labeled "MCZ type 10077" from Haiti, and "paratype soldiers" from Cuba. Since the MCZ type specimen catalog indicates that the MCZ has another specimen labelled type 10077 from Haiti, it seems that Banks' 1919 mention "type-MCZ 10077" does not constitute a valid designation of a single specimen as a lectotype. Constantino's 1998b reference to the MCZ soldier specimen as "Holotype" is incorrect, as Banks' 1918 original description mentions not one, but at least two specimens, an imago from Panama and a soldier from Haiti. Nor does this reference constitute a valid designation of the MCZ soldier as lectotype, because Constantino, 1998b does not "explicitly indicate that he was selecting from the type series that particular specimen to serve as the name-bearing type" (ICZN, 1999, art. 74.5). Furthermore, Constantino's statement that the MCZ soldier [which is from Haiti] is the holotype contradicts his statement that the type locality is Panama (ICZN, 1999, art. 76.4.6). Therefore, the soldiers type 10077 remain syntypes, together with the imagoes from Panama, and a lectotype is still to be selected from among all the syntypes. Roisin's recommendation is to select one of the soldiers from Haiti as the lectotype, in keeping with what appears to be Banks' original intent. This would also fix Haiti as type locality, thus preserving the consistency between species name and place of origin].

Type data: Syntypes: AMNH imagoes, AMNH soldiers, MCZ soldier. Type localities: Panama, Haiti.

- Banks, 1919: 481, pl. 1: figs. 2, 3 Mirotermes hispaniolae; incorrectly as sp. nov; soldier described and figured. Haiti [not type locality].
- Barreto, 1923: 109 Mirotermes hispaniolae; locality. Cuba.
- Dietz and Snyder, 1924: 282, 285 Mirotermes hispaniolae; listed. Panama.
- Snyder, 1925j: 193 Mirotermes (Mirotermes) hispaniolae; listed. Panama.
- Emerson, 1925: 310, 437–439, fig. 85d *Mirotermes (Mirotermes) hispaniolae*; imago, soldier described and figured; key. Guyana; Panama.
- Light, 1933: 141–142 Mirotermes (Mirotermes) panamaensis [misidentification]; soldier described; biology; locality. Mexico.
- Light, 1934j: 338 Mirotermes (Mirotermes) panamaensis [misidentification]; distribution. Mexico.
- Adamson, 1937: 141, 145 Termes hispaniolae; listed; biology; distribution; new combination.
   Trinidad.
- Adamson, 1940a: 14, 15 Termes hispaniolae; listed; distribution. Trinidad and Tobago.
- Adamson, 1946: 222 Termes (Mirotermes) hispaniolae; listed; distribution. Trinidad and Tobago.
- Snyder, 1949a: 181 Termes hispaniolae; catalog; reference list. Cuba; Guyana; Haiti; Isle of Pines; Panama; Trinidad. Termes praelongus listed as synonym.
- Snyder, 1956b: 190, 192, 193, 194, 195, 198, 201 *Termes hispaniolae*; key; distribution. Cuba; Haiti; Isle of Pines; Jamaica; Trinidad and Tobago.
- Mathur and Thapa, 1962a: 120 Termes hispaniolae; collection catalog. Panama.
- Gay, 1967: 14, 35 Termes hispaniolae; distribution; intercepted in Barbados.
- Gisler, 1967: 85, 93, 98, 107, 120 Termes hispaniolae; protozoa. Panama.

- Araujo, 1977c: 67 *Termes hispaniolae*; catalog. Brazil; Cuba; Guyana; Haiti; Jamaica; Panama; Trinidad and Tobago; ?Mexico. *Termes praelongus* listed as synonym.
- Roonwal and Verma, 1980b: 463 Termes hispaniole [sic]; wing microsculpturing.
- Deligne et al., 1981: fig. 6 Termes hispaniolae; soldier head figured; functional morphology; defense.
- Prestwich, 1984a: table 1 Termes hispaniolae; checklist; ecology; defense mode; chemicals; distribution.
- Constantino, 1991c: 206, fig. 25 Termes hispaniolae; soldier figured; biology; locality. Brazil: Amazonia State.
- Nickle and Collins, 1992: 209, 231 Termes hispaniolae; key; soldier figured; distribution. Panama.
- Constantino and Cancello, 1993: 405 Termes hispaniolae; distribution. Brazil: Amazonia.
- Clarke, 1994: 14 Termes hispaniolae; checklist; distribution. Jamaica.
- Scheffrahn et al., 1994: 217, 218, 219, 220, 221, 222, 224, 226, 234 Termes hispaniolae;
   distribution. Cuba; Grenada; Guadeloupe; Hispaniola: Dominican Republic, Haiti; Isla de la Juventud; Jamaica; Martinique; Montserrat; Trinidad and Tobago.
- Martius, 1997: 361-371 Termes hispaniolae; ecology; nutrition; nest type; locality. Brazil.
- Constantino, 1998b: 208-209 Termes hispaniolae; catalog. Antilles; Brazil; Guyana; Panama.
- Fontes, 1998: 370 Termes hispaniolae; catalog; distribution. Brazil.
- Issa, 2000: 381 Termes hispaniolae; checklist; distribution. Venezuela.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Termes hispaniolae; checklist; diversity; distribution. ?Mexico.
- Scheffrahn et al., 2003a: 185, 188, 197, fig. 19 *Termes hispaniolae*; soldier figured; key to soldier and imago; distribution. Puerto Rico; St. Croix; St. Thomas.
- Scheffrahn et al., 2003b: 33-38 Termes hispaniolae; distribution. Trinidad and Tobago.
- Cruz et al., 2004: 6 Termes hispaniolae; checklist; distribution. Cuba.
- Scheffrahn et al., 2005c: 551, table 1 Termes hispaniolae; checklist; distribution. Nicaragua.
- Roisin et al., 2006: 301–311 *Termes hispaniolae*; ecology; canopy forest; species richness; vertical distribution. Panama.
- Scheffrahn et al., 2006: 483, fig. 3E *Termes hispaniolae*; soldier figured; key; synonymy; distribution. Bahamas; Central America; West Indies.
- S DISTRIBUTION: Neotropical Region—Brazil; Cuba; Guyana; Haiti; Jamaica; ?Mexico; Nicaragua; Panama; Puerto Rico; Trinidad and Tobago; US Virgin Islands.

# Termes hospes (Sjöstedt, 1900)

Eutermes hospes Sjöstedt, 1900b: 278 (soldier, worker).

Type data: Syntypes: NHRM soldier, AMNH soldier.

TYPE LOCALITY: Cameron: Bonge.

- Sjöstedt, 1900a: 71, 78, 140, 165, 197–198, pl. 5: figs. E1–E3 Eutermes hospes; soldier, worker described; soldier figured; key; distribution. Cameroon. Eutermes lateralis [misidentification; imago description and figure only; soldier, worker descriptions not lateralis]; distribution. Cameroon [Bonge only; other localities incorrect].
- Czerwinski, 1901: 7 Eutermes lateralis [misidentification]; collection catalog. Cameroon.
- Sjöstedt, 1904: 31, 38, 45, 115 Eutermes hospes; key; distribution; Eutermes lateralis [misidentification; imago characters only]; key; distribution.
- Desneux, 1904b: 42 Termes (Eutermes) hospes; reference list; new combination. Cameroon.
- Sjöstedt, 1911c: 166–167 Eutermes hospes; imago described; key; locality. Congo-Zaire. Eutermes lateralis [misidentification]; key.
- Wasmann, 1911c: 164–165 *Mirotermes (Eutermes) hospes*; imago (previously undescribed), soldier, worker described; biology; locality; new combination. Congo-Zaire.
- Holmgren, 1912a: 109 Mirotermes (Mirotermes) hospes; listed. Cameroon; Congo-Zaire.

- Hegh, 1922: 496, 499, 536, 695, 700, fig. 342J *Mirotermes (Mirotermes) hospes*; biology; reference list; distribution; *Anoplotermes lateralis* [misidentification]; biology; reference list; distribution [Bonge only].
- Sjöstedt, 1926d: 275, 276, 277, 289, fig. 61 *Mirotermes hospes*; soldier figured; reference list; synonymy; key; biology; remarks; locality; *Anoplotermes lateralis*; reference list [part only]; locality. [Cameroon only; Sierra Leone and Guinea = *Microcerotermes lateralis*].
- Sjöstedt, 1926b: 154 Termes hospes; locality. Congo-Zaire.
- Emerson, 1928b: 539, fig. 72 Mirotermes (Mirotermes) hospes; soldier described and figured.
   Cameroon; Congo-Zaire.
- Snyder, 1949a: 181 *Termes hospes*; catalog; reference list. Cameroon; Congo-Zaire; Ghana; Guinea.
- Grassé, 1952b: 57, fig. 5 Termes hospes; caste development.
- Grassé and Noirot, 1955a: 361, fig. 6B Termes hospes; gut figured.
- Noirot, 1955b: 497–502, 560–563, fig. 78 *Termes hospes*; ergatoid figured; caste development; polymorphism.
- Noirot, 1956: 148 Termes hospes; neotenics; supplementary reproductives.
- Bouillon, 1958: 199 Termes hospes; distribution. Congo-Zaire.
- Noirot and Kovoor, 1958: 470, figs. 4, 6, pl. 2: fig. 9 *Termes hospes*; digestive tube anatomy; gut, enteric valve figured.
- Grassé and Noirot, 1959: 367, 369, 370, figs. 5, 7 Termes hospes; symbiosis.
- Webb, 1961: 31 Termes hospes; soldier figured.
- Harris, 1962b: 313 Termes hospes; comparisons.
- Mathur and Thapa, 1962a: 120 Termes hospes; collection catalog. "Congo."
- Harris, 1963c: 5, 18 Termes hospes; locality. Congo-Zaire.
- Bouillon and Mathot, 1965: 45, 110, 111, pl. 23: figs. 72a-b *Termes hospes*; catalog; soldier figured. Ivory Coast.
- Deligne, 1966: 1323–1325 Termes hospes; mandible morphology and feeding.
- Gisler, 1967: 81, 107, 161 Termes hospes; protozoa; ecology. Ivory Coast.
- Noirot and Noirot-Timothée, 1969: 68, fig. 3.8B Termes hospes; digestive tube figured.
- Bouillon and Mathot, 1971: 11, table: no. 338 Termes hospes; measurements.
- Roy-Noël, 1972: 209, tables 1, 3 *Termes hospes*; biology; ecology; distribution. Senegal; from Guinea to Congo.
- Roy-Noël, 1974b: 526–609 *Termes hospes*; biology; ecology; distribution. Cameroon; Congo; Ghana; Guinea; Ivory Coast; Senegal.
- Johnson et al., 1980: 60, fig. 15 *Termes hospes*; mound figured; checklist; biology; distribution. Guinea; Nigeria.
- Medler, 1980: 56 Termes hospes; checklist. Nigeria.
- Roonwal and Verma, 1980b: 463 Termes hospes; wing microsculpturing.
- Sangare and Bodot, 1980: 131-141 Termes hospes; checklist; biology; distribution. Ivory Coast.
- Roy-Noël, 1982: 129, 133 Termes hospes; ecology; pest; distribution. Senegal.
- Wood et al., 1982: 25-39 Termes hospes; ecology; feeding and nesting habits; distribution. Nigeria.
- Thorne, 1985b: 328, table 1 Protocapritermes hospes; polygyny.
- Eggleton et al., 1995: 85–98 Termes hospes; checklist; ecology. Cameroon.
- Eggleton et al., 1996: 51-68 Termes hospes; checklist; feeding; ecology. Cameroon.
- Sleaford et al., 1996: 279-298 Termes hospes; feeding; gut contents; ecology. Cameroon.
- Darlington et al., 1997a: 54 Termes hospes; biology; distribution. Cameroon; Congo-Brazzaville; Congo-Zaire; Ghana; Guinea; Kenya; Uganda.
- Eggleton and Bignell, 1997: 489–498 Termes hospes; associations; ecology. Cameroon.
- Tayasu et al., 1997: 343–351 Termes hospes; nitrogen fixation; feeding. Cameroon.
- Azariz and Rouland, 1998: 69-75 Termes hospes; gut microflora. Cameroon.
- Sands, 1998: 256, 439, figs. 1171–1176, 1183–1190 *Termes hospes*; worker mandibles, gut figured; distribution. Congo-Zaire; Ghana; Nigeria.
- Noirot, 2001: 437, fig. 6C Termes hospes; gut characters; figured.

Mirotermes obtectus Silvestri, 1914a: 127–128 (soldier, worker), fig. LXXV.

Type data: Syntypes: IEA soldiers, workers (Guinea: Camayenne), IEA soldiers, workers (Ghana: Aburi).

Type Localities: Guinea (French Guinea): Camayenne, Ghana (Gold Coast): Aburi.

- Hegh, 1922: 499, 700 Mirotermes (Mirotermes) obtectus; biology; reference list; distribution.
- Sjöstedt, 1926d: 277 Mirotermes obtectus; synonymized with hospes.

Mirotermes (Mirotermes) langi Emerson, 1928b: 537–539 (imago, soldier, worker), fig. 71 [Coaton and Sheasby, 1978: 2, following Emerson, treat langi as a junior synonym of Termes hospes].

Type data: Holotype (whereabouts unknown): soldier [Though Emerson, 1928 stated that the holotype soldier was at AMNH, only paratypes from the holotype colony are present]. Paratypes: AMNH imago, soldiers, AMNH soldiers, workers [not type locality].

Type locality: Congo-Zaire (Belgian Congo): Region of Kisangani (Stanleyville).

- Snyder, 1949a: 182 Termes langi; catalog; reference list. Congo-Zaire.
- Bouillon and Mathot, 1971: 11, table: no. 339 Termes langi; catalog; measurements; distribution. Gabon.
- Deligne, 1971b: 176-187, fig. 2 Termes langi; soldier mandibles; functional morphology; defense.
- Coaton and Sheasby, 1978b: 2 Mirotermes (Mirotermes) langi; synonymized with hospes.
- Sands, 1998: 256, 439, figs. 1177–1179 *Termes langi*; worker mandibles figured; distribution. Uganda
- TISTRIBUTION: Ethiopian Region—Cameroon; Congo-Brazzaville; Congo-Zaire; Gabon; Ghana; Guinea; Ivory Coast (Côte d'Ivoire); Kenya; Nigeria; Senegal; Uganda.

#### Termes huayangensis Ahmad, 1965

Termes huayangensis Ahmad, 1965: 91–92 (imago, soldier, worker), figs. 94–95.

Type data: Holotype: ZUPL soldier. Paratypes: ZUPL imagoes, workers, AMNH imagoes, workers, ZUPL imagoes, workers [not type locality].

Type locality: Thailand: Huay Yang.

- Morimoto, 1973a: 77 Termes huayangensis; listed.
- Morimoto, 1976b: 34 Termes huayangensis; key; distribution.
- Tho, 1992: 206 Termes huayangensis; listed.
- Ahmad and Akhtar, 2002: 59 Termes huayangensis; catalog. Thailand.
- Sornnuwat et al., 2004: 364 Termes huayangensis; checklist; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Thailand.

#### Termes laticornis Haviland, 1898

Termes laticornis Haviland, 1898: 417 (soldier, worker).

Type data: Syntypes: CUMZ No. 231 soldiers, workers, AMNH queen, soldier, workers, FRI worker. Type locality: Malaysia: Borneo: Sarawak.

- Desneux, 1904b: 43 Termes (Eutermes) laticornis; reference list. Malaysia: Borneo.
- Holmgren, 1912a: 109 Mirotermes (Mirotermes) laticornis; listed; new combination. "Hinterindien."
- Holmgren, 1913c: 237, pl. 6: figs. 11, 15 *Mirotermes (Mirotermes) laticornis*; neotenic king and queen, soldier, worker described; soldier figured; key; distribution. Malaysia.

- Bugnion, 1913d: 170 Mirotermes laticornis; antennal articles. Malaysia: Sarawak.
- John, 1925: 411, 412 *Mirotermes laticornis*; imago (previously unknown) described; key; locality. Indonesia: Sumatra; Malaysia: Sarawak.
- Bathellier, 1927: 170, 220–221, 330 *Mirotermes (Mirotermes) laticornis*; soldier, worker described; biology. Vietnam.
- Snyder, 1931a: 550 Mirotermes (Mirotermes) laticornis; locality. Vietnam.
- Snyder, 1949a: 183 Termes laticornis; catalog; reference list. Borneo; Sumatra.
- Noirot, 1956: 151 *Termes laticornis*; supplementary reproductives.
- Ahmad, 1958: 180, 195 Termes laticornis; key.
- Mathur and Thapa, 1962a: 121 Termes laticornis; collection catalog. Malaysia.
- Ahmad, 1965: 92 Termes laticornis; listed.
- Harris, 1966a: 14 Termes laticornis; Haviland's types and type localities listed; biology.
- Harris, 1968d: 143 Termes laticornis; listed.
- Roonwal, 1970c: 351 Termes laticornis; biology; distribution.
- Sen-Sarma, 1974: 439 Termes laticornis; ecology and biogeography. India.
- Morimoto, 1976b: 34 Termes laticornis; key; distribution.
- Collins, 1984: 68, 70 Termes laticornis; ecology; distribution. Malaysia: Sarawak.
- Tho, 1992: 97, 199, 206, fig. 37B Termes laticornis; soldier described and figured. Malaysia.
- Gathorne-Hardy et al., 2001: 391 *Termes laticornis*; checklist; ecology; distribution. Indonesia: Sumatra.
- Ahmad and Akhtar, 2002: 59 Termes laticornis; catalog. Indonesia: Sumatra; Malaysia: Sarawak.
- Jones and Prasetyo, 2002: 121, table 1 *Termes laticornis*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Gathorne-Hardy, 2004: 120 *Termes laticornis*; checklist; distribution. Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sarawak.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sarawak; Vietnam.

#### Termes major Morimoto, 1973

Termes major Morimoto, 1973a: 65-66, 77 (soldier, worker), fig. 7.

Type data: Holotype: KUEL soldier. Paratypes: KUEL soldier, workers [additional paratypes were said to be deposited in BPBM, BMNH and AMNH, but none are in AMNH].

Type locality: Thailand: Khao Chong.

- Morimoto, 1976b: 34, fig. 81 Termes major; key; worker mandibles, soldier figured; distribution.
- Tho, 1992: 206 *Termes major*; listed.
- Gathorne-Hardy, 2004: 120 Termes major; checklist; distribution. Malaysia: Mainland.
- Sornnuwat et al., 2004: 364 Termes major; checklist; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Thailand.

## Termes marjoriae (Snyder, 1934)

Mirotermes (Mirotermes) marjoriae Snyder, 1934a: 18-20 (imago, soldier, worker), fig. 10.

Type data: Syntypes: USNM No. 50174 imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, FRI imago, soldiers, AMNH soldier.

Type locality: Myanmar: Selen.

- Snyder, 1949a: 183 Termes marjoriae; catalog; reference list; new combination. Myanmar.
- Lal and Menon, 1953: 51 Mirotermes (Mirotermes) marjoriae; catalog; reference list. Myanmar.

- Roonwal and Pant, 1953: 60 Termes marjoriae; collection catalog. Myanmar.
- Ahmad, 1958: 179, 180 Termes marjoriae; key.
- Mathur and Thapa, 1962a: 121 Termes marjoriae; collection catalog. Myanmar.
- Tsai and Chen, 1964b: 83–84, figs. 36, 37 *Termes marjoriae*; imago, soldier described and figured. China.
- Tsai and Chen, 1964a: 27, 32, 35 Termes marjoriae; distribution.
- Yu and Ping, 1964a: 15, 20 Termes marjoriae; listed.
- Krishna, 1965a: 1 Termes marjoriae; listed. Myanmar.
- Roonwal and Chhotani, 1971: 209 Termes marjoriae; listed.
- Morimoto, 1976b: 34 Termes marjoriae; key; distribution.
- Gao and Lam, 1986: 82 Termes marjoriae; checklist; distribution. China.
- Huang et al., 1989: 487–489, fig. 360 *Termes marjoriae*; imago, soldier described and figured. China.
- Gao et al., 1992a: 45 Termes marjoriae; checklist; distribution. China: Yunnan.
- Tho, 1992: 206 Termes marjoriae; listed.
- Chhotani, 1997: 271–273, figs. 134–135 *Termes marjoriae*; imago, soldier described and figured; synonymy; key. China; Myanmar.
- Hua, 2000: 28 Termes marjoriae; listed. China: Yunnan; Myanmar.
- Huang et al., 2000: 704–706, fig. 423 Termes marjoriae; imago, soldier described and figured. China.
- Ahmad and Akhtar, 2002: 59 Termes marjoriae; catalog. China; Mayanmar [sic].
- © DISTRIBUTION: Oriental Region—China: Yunnan; Myanmar (Burma).

#### Termes medioculatus Emerson, 1949

*Termes medioculatus* Emerson, 1949e: 183 (imago, soldier) [Emerson, 1949e gave this new species name to specimens misidentified, 1925, as *Termes nigritus* (Silvestri). He did not give any formal description but only referred to his 1925 description of the misidentified imago and soldier].

Type data: Syntypes: AMNH imago [Emerson stated "Type: A.M.N.H." which does not qualify as a lectotype selection as no single specimen is so designated], AMNH queens, kings, imagoes, soldiers, workers, NHMM queen, king, imagoes, soldiers, workers, FRI imagoes, soldier, workers. Type locality: Guyana (British Guiana): Kartabo.

- Emerson, 1925: 310, 435–437, figs. 85a–c *Mirotermes (Mirotermes) nigritus* [misidentification, new name by Emerson, 1949e as *medioculatus*]; imago, soldier described and figured; key. [Guyana only].
- Mathur and Thapa, 1962a: 121 Termes medioculatus; collection catalog. Guyana.
- Van Boven, 1969a: 46 *Termes medioculatus*; types listed.
- Araujo, 1977c: 67 Termes medioculatus; catalog. Brazil; Guyana.
- Mathews, 1977: 130, fig. 78 Termes medioculatus; soldier figured. Brazil.
- Roonwal and Verma, 1980b: 463 Termes medioculatus; wing microsculpturing.
- Bandeira, 1990: 225–241, table 1 Termes medioculatus; ecology; distribution.
- Constantino, 1991c: 208, fig. 26 Termes medioculatus; soldier figured; biology; locality. Brazil: Amazonia State.
- Constantino and Cancello, 1993: 405 Termes medioculatus; distribution. Brazil: Amazonia.
- Martius, 1997: 361–371 Termes medioculatus; ecology; nutrition; nest type; locality. Brazil.
- Constantino, 1998b: 209 Termes medioculatus; catalog. Brazil; Guyana.
- Fontes, 1998: 370 Termes medioculatus; catalog; distribution. Brazil; Guyana.
- Constantino, 1999a: figs. 138, 139 Termes medioculatus; soldier figured.
- Constantino, 2002a: figs. 168-169 Termes medioculatus; soldier figured.
- Sena et al., 2003: 756, table 1 Termes medioculatus; checklist; ecology; distribution. Brazil.

- Vasconcellos et al., 2005: 127–131 Termes medioculatus; checklist; diversity; feeding groups; distribution. Brazil.
- § DISTRIBUTION: Neotropical Region—Brazil; Guyana.

#### Termes melindae Harris, 1960

**Termes melindae** Harris, 1960: 254–256 (soldier) fig. 2 [synonym of *hispaniolae* fide Emerson card catalog (unpublished)].

Type data: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers.

Type locality: Belize: Melinda Forest Station, Stann Creek Valley.

- Araujo, 1977c: 67 Termes melindae; catalog. Belize.
- Keall, 1980: 128 Termes melindae; intercepted. New Zealand.
- Scheffrahn et al., 1994: 216, 234 Termes melindae; distribution. Cayman Islands.
- Constantino, 1998b: 208 Termes melindae; catalog. Belize; Cayman Islands.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Termes melindae; checklist; diversity; distribution. Mexico.
- § DISTRIBUTION: Neotropical Region—Belize; Cayman Islands.

#### Termes nigritus (Silvestri, 1901)

Capritermes saltans nigritus Silvestri, 1901: 5 (imago).

TYPE DATA: Syntypes: IEA imagoes, AMNH imago, MCG imago.

Type locality: Brazil: Mato Grosso: Cuiabá, Coxipò.

- Silvestri, 1902a: 12 Mirotermes saltans nigritus; biology; new combination.
- Silvestri, 1903: 68, 128, fig. 16 *Mirotermes saltans* subsp. *nigritus*; imago, worker described; wings figured; biology. Brazil; Paraguay.
- Desneux, 1904b: 45 *Termes (Eutermes) saltans* subsp. *nigritus*; listed; new combination. Brazil; Paraguay.
- Holmgren, 1906: 669 Mirotermes saltans nigritus; distribution. Brazil.
- Holmgren, 1912a: 106, 108, fig. 75 *Mirotermes (Mirotermes) nigritus*; listed; imago mandibles figured. Brazil.
- Emerson, 1925: 435 Mirotermes (Mirotermes) nigritus; comparisons.
- Snyder, 1949a: 184 Termes nigritus; catalog; reference list. Brazil; Paraguay.
- Araujo, 1958a: 214 Termes nigritus; distribution.
- Araujo, 1977c: 67 Termes nigritus; catalog. Brazil; Paraguay.
- Mathot, 1978: 60 Termes nigritus; collection catalog; types listed.
- Godoy and Torales, 1993: 123–132, figs. 1–15 *Termes nigritus*; digestive tube described and figured. Argentina.
- Raineri et al., 1993: 532 Capritermes saltans nigritus; collection catalog; types listed.
- Torales et al., 1997: 48 Termes nigritus; distribution. Argentina.
- Constantino, 1998b: 209 Termes nigritus; catalog. Argentina; Brazil; Paraguay.
- Fontes, 1998: 370 Termes nigritus; catalog; distribution. Argentina.
- Torales, 1998: 413-435 Termes nigritus; damage; distribution. Argentina.
- Martins, 1999: 396, 401, fig. 4f Termes nigritus; karyotype.
- Torales et al., 2005b: 259-280 Termes nigritus; checklist; diversity; distribution. Argentina.
- Torales et al., 2005a: 875 Termes nigritus; distribution. Argentina: Chaco, Corrientes, Formosa.
- Torales et al., 2008: 42 Termes nigritus; distribution. Argentina: Formosa.
- S DISTRIBUTION: Neotropical Region—Argentina: Chaco, Corrientes, Formosa; Brazil: Mato Grosso to São Paulo; Paraguay.

## Termes panamaensis (Snyder, 1923)

#### Mirotermes panamaensis Snyder, 1923c: 129 (soldier).

Type data: Holotype: USNM No. 26257 soldier. Paratypes: USNM soldiers, workers, AMNH soldiers, workers, nymphs.

Type Locality: Panama: Barro Colorado Island.

- Snyder, 1925j: 192, fig. 9, pl. 1 *Mirotermes (Mirotermes) panamaensis*; imago (previously unknown) described; soldier, nest figured. Panama.
- Snyder, 1932: 98 Mirotermes (Mirotermes) panamaensis; locality. Costa Rica.
- Light, 1935: 234 Mirotermes (Mirotermes) panamaensis; listed. Costa Rica.
- Wheeler, 1936: 231 Termes panamaensis; ant ecological relationships; new combination.
- Hare, 1937: 462, 469, pl. 12: fig. 48 *Termes* (*Termes*) panamaensis; imago/worker, soldier mandibles measurements and figures; remarks.
- Adamson, 1940a: 15 Termes panamaensis; listed. Trinidad.
- Snyder, 1949a: 185 Termes panamaensis; catalog; reference list. Mexico; Panama.
- Becker, 1953: 347, 348, figs. 7, 8 Termes panamaensis; measurements; soldier, nest figured; distribution. Guatemala.
- Snyder, 1956b: 190, 195, 198, 201 *Termes panamaensis*; key; distribution. St. Croix; Trinidad [St. Croix record = *hispaniolae* fide Scheffrahn et al., 2003a: 198].
- Becker and Seifert, 1962: 277 Termes panamaensis; nest material chemistry.
- Araujo, 1977c: 67 *Termes panamaensis*; catalog. Costa Rica; Guatemala; Mexico; Panama; Santa Cruz (St. Croix); Trinidad.
- Thorne, 1985b: 328, table 1 Termes panamaensis; polygyny.
- Nickle and Collins, 1990: 92, 98, 118, figs. 14A–C Termes panamaensis; key; soldier figured; characters; distribution. Mexico.
- Nickle and Collins, 1992: 209, 231, figs. 13.70, 13.71 Termes panamaensis; key; soldier figured; distribution. Panama.
- Scheffrahn et al., 1994: 226, 229, 234 *Termes panamaensis*; distribution. Trinidad; Virgin Islands: St. Croix.
- Constantino, 1998b: 209 *Termes panamaensis*; catalog. Mexico to Colombia; Lesser Antilles; Panama.
- Fontes, 1998: 370 Termes panamaensis; catalog.
- Méndez-Montiel and Equihua-Martínez, 2001: 173–187 Termes panamaensis; checklist; diversity; distribution. Mexico.
- Scheffrahn et al., 2003b: 33–38 Termes panamaensis; distribution. Trinidad [dubious record].
- Scheffrahn et al., 2005c: 551, table 1 Termes panamaensis; checklist; distribution. Nicaragua.
- Roisin et al., 2006: 301–311 Termes panamaensis; ecology; canopy forest; species richness; vertical distribution. Panama.
- Seid et al., 2008: R1049-R1050 Termes panamaensis; soldier; defense; mandible strike.
- Tistribution: Neotropical Region—Colombia; Costa Rica; Guatemala; Lesser Antilles (Trinidad); Mexico; Nicaragua; Panama; Virgin Islands: St. Croix.

#### †Termes primitivus Krishna and Grimaldi, 2009

†Termes primitivus Krishna and Grimaldi, 2009: 21, 23 (imago), figs. 17, 18, table 7.

Туре Data: Holotype: AMNH DR 10-1521 imago in amber. Paratype: AMNH DR 10-1520 imago. Туре Locality: Dominican Republic: ?Cordillera Septentrionalis, 30 km NE of Santiago.

- TISTRIBUTION: Neotropical Region—Dominican Republic.
- \* Fossil record: Cenozoic-Neogene: Miocene.

## Termes propinquus (Holmgren, 1914)

Mirotermes (Mirotermes) propinquus Holmgren, 1914: 274–275 (soldier, worker), pl. 7: fig. 10.

Type data: Syntypes: AMNH soldiers, workers, USNM soldier, workers, FRI soldier, workers, nymphs.

Type locality: Indonesia: Sumatra: Tandjong Slamat.

- John, 1925: 410–411, 412 *Mirotermes propinquus*; imago (previously unknown) described; key; locality; biology. Indonesia: Sumatra; Malaysia: Mainland.
- Wheeler, 1936: 230, 231 Termes propinquus; ant ecological relationships; new combination.
- Snyder, 1949a: 185 Termes propinquus; catalog; reference list. Malaya; Sumatra.
- Ahmad, 1958: 181 Termes propinquus; key.
- Mathur and Thapa, 1962a: 121 Termes propinguus; collection catalog. Indonesia.
- Ahmad, 1965: 90, 94–95, 110, figs. 98, 99 *Termes propinquus*; imago, soldier described and figured; key; synonymy; distribution. Thailand.
- Harris, 1968d: 146 Termes propinquus; distribution. Indonesia: Sumatra; Malaysia; Thailand.
- Roonwal, 1970c: 352 Termes propinquus; biology; distribution.
- Morimoto, 1973a: 64, 78 Termes propinquus; distribution. Thailand.
- Sen-Sarma, 1974: 440 Termes propinquus; ecology and biogeography. India.
- Morimoto, 1976b: 34 *Termes propinquus*; key; distribution.
- Morimoto, 1976a: 326 Termes propinquus; locality. Malaysia: Mainland.
- Thapa, 1982: 180–184, pl. 61 *Termes propinquus*; imago, soldier described and figured; synonymy; key. Indonesia; Malaysia.
- Collins, 1984: 68, 70 Termes propinquus; ecology; distribution. Malaysia: Sarawak.
- Salick and Tho, 1984: 547–561 Termes propinguus; ecology; rainforest. Malaysia: Mainland.
- Watanabe et al., 1984: 48 Termes propinquus; checklist; nest figured; distribution. Thailand.
- Tho, 1992: 97, 199, 206 *Termes propinquus*; listed.
- Eggleton et al., 1998a: 119–128 Termes propinquus; checklist; feeding; nest; ecology. Malaysia: Sabah.
- Jones and Brendell, 1998: 79–91 Termes propinquus; checklist; feeding groups; ecology.
   Malaysia: Mainland.
- Eggleton et al., 1999b: 1795, table 1 *Termes propinquus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Gathorne-Hardy et al., 2000a: 258 *Termes propinquus*; checklist; ecology; biogeography; distribution. Indonesia: Sumatra.
- Gathorne-Hardy et al., 2001: 391 *Termes propinquus*; checklist; ecology; distribution. Indonesia: Sumatra.
- Inoue et al., 2001b: 41-52 Termes propinquus; biomass; feeding; distribution. Thailand.
- Ahmad and Akhtar, 2002: 59 *Termes propinquus*; catalog. Indonesia: Sumatra; Malaysia: Mainland: Thailand.
- Homathevi et al., 2002: 234, table 1 *Termes propinquus*; checklist; ecology; feeding and nesting groups; distribution. Malaysia: Sabah.
- Jones and Prasetyo, 2002: 121, table 1 *Termes propinquus*; checklist; ecology; feeding and nesting groups; distribution. Indonesia: Kalimantan.
- Tayasu et al., 2002b: 195–206 Termes propinquus; carbon isotopes; feeding. Thailand.
- Yu et al., 2002: 4, 11–12, fig. 7 *Termes propinquus*; key; soldier described and figured. China: Shenzen (intercepted).
- Takematsu et al., 2003: 593, fig. 4 *Termes propinquus*; nest abundance and distribution. Thailand.
- Yamada et al., 2003: 569–585 *Termes propinquus*; nest density, population; caste proportion. Thailand.
- Gathorne-Hardy, 2004: 120 *Termes propinquus*; checklist; distribution. Brunei; Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah, Sarawak.

- Ohkuma et al., 2004: 701-710 Termes propinquus; phylogeny; COII sequences.
- Sornnuwat et al., 2004: 364 Termes propinguus; checklist; distribution. Thailand.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sabah; Thailand.

## Termes riograndensis Jhering [Ihering], 1887

Termes riograndensis Jhering [Ihering], 1887a: 3 (soldier) [Wasmann, 1897: 148 treats *T. riograndensis* Jhering [= Ihering], 1887 as undescribed; however, Jhering [= Ihering] states that the soldier mandibles are long and that the soldiers can jump 6–8 centimeters, similar to *Odontomachus*, which, though brief, constitutes a description according to the ICZN, 1999, art. 12, giving *riograndensis* priority over *saltans*].

Type data: Syntypes: MCZ No.10098 soldier.

Type Locality: Brazil: Rio Grande.

- Czerwinski, 1897: 200 Termes riograndensis; remarks. Brazil.
- Wasmann, 1897b: 148 Termes riograndensis; remarks; cited as undescribed.
- Czerwinski, 1901: 9 *Eutermes riograndensis*; collection catalog; remarks; new combination. Brazil.
- Snyder, 1949a: 186 Termes riograndensis; listed as nomen nudum.

Termes uruguayensis Berg, 1880: 16 [nomen nudum; locality. Argentina].

Mirotermes saltans Wasmann, 1897b: 152 (soldier).

Type data: Syntypes: NHRM soldiers, workers, AMNH soldiers, workers, USNM soldier, worker, NHMM imagoes, soldiers, workers.

Type locality: Brazil: Rio Grande do Sul: São Leopoldo.

- Silvestri, 1901: 5 Capritermes saltans; locality; new combination. Argentina; Paraguay; Uruguay.
- Silvestri, 1902a: 11–12 *Mirotermes saltans*; biology; new combination.
- Silvestri, 1903: 66–67, 128, fig. 15, pl. 3: figs. 115–118 *Mirotermes saltans*; imago, soldier, worker described; imago, soldier figured; biology. Argentina; Paraguay; Uruguay.
- Desneux, 1904b: 45 *Termes (Eutermes) saltans*; reference list; synonymy. Argentina; Brazil; Paraguay.
- Holmgren, 1906: 669 Mirotermes saltans; distribution. Argentina; Brazil; Paraguay; Uruguay.
- Holmgren, 1912a: 106, 109, fig. 74 *Mirotermes (Mirotermes) saltans*; listed; imago mandible figured. Argentina; Paraguay; Uruguay.
- Snyder, 1949a: 186 *Termes saltans*; catalog; reference list; *Termes riograndensis* listed as nomen nudum. Argentina; Brazil; Paraguay; Uruguay.
- Noirot, 1956: 151 Termes saltans; supplementary reproductives.
- Araujo, 1958a: 214 Termes saltans; distribution.
- Araujo, 1977c: 67 Termes saltans; catalog; synonymy. Argentina; Brazil; Paraguay; Uruguay.
- Mathot, 1979: 11 Termes saltans; collection catalog; types listed.
- Laffitte de Mosera and Aber de Szterman, 1981: 273–284 *Termes saltans*; behavior; nest. Uruguay.
- Aber de Szterman and Laffitte de Mosera, 1984: 457-467 Termes saltans; nest.
- Aber de Szterman, 1984: 493-504 Termes saltans; sternal gland.
- Armua and Torales, 1986: 223–242, figs. 1–19 *Termes saltans*; biology; nest described and figured. Argentina: Corrientes.
- Aber de Szterman, 1988: 19–22 Termes saltans; salivary glands; building behavior.

- Aber, 1990: 486 Termes saltans; distribution. Uruguay.
- Godoy et al., 1990: 47-51 Termes saltans; survival; laboratory colonies.
- Godoy and Torales, 1993: 125–132, figs. 1–15 *Termes saltans*; digestive tube described and figured. Argentina.
- Godoy and Torales, 1994: 13–27 Termes saltans; reproductive system. Argentina.
- Torales et al., 1997: 48 Termes saltans; distribution. Argentina.
- Constantino, 1998b: 209 *Termes saltans*; catalog; synonymy. Argentina; Brazil; Paraguay; Uruguay.
- Fontes, 1998: 370 Termes saltans; catalog; distribution. Argentina.
- Godoy and Torales, 1999b: 181–188, figs. 1–13 *Termes saltans*; digestive tube described and figured. Argentina.
- Godoy and Torales, 2000: 141-148 Termes saltans; male reproductive system.
- Coronel et al., 2001: 3–13 *Termes saltans*; castes; colony composition; distribution. Argentina: Corrientes.
- Constantino, 2002c: 358, table 3 *Termes saltans*; checklist; damage; distribution. Argentina; Brazil; Paraguay; Uruguay.
- Laffont et al., 2004: 665–670 Termes saltans; checklist; feeding habits; collection sites; distribution. Argentina.
- Torales et al., 2005a: 876 Termes saltans; distribution. Argentina: Misiones, Chaco, Corrientes.
- Torales et al., 2005b: 259-280 Termes saltans; checklist; diversity; distribution. Argentina.
- Torales et al., 2008: 42 Termes saltans; distribution. Argentina: Corrientes.
- § DISTRIBUTION: Neotropical Region—Argentina: Misiones, Corrientes, Chaco; Brazil; Paraguay; Uruguay.

#### Termes rostratus Haviland, 1898

Termes rostratus Haviland, 1898: 416-417 (imago, soldier, worker).

Type data: Syntypes: CUMZ No. 477 imagoes, soldiers, workers (Malaysia: Borneo, Sarawak), CUMZ imagoes, soldiers, workers (Singapore), AMNH imagoes, soldiers, workers (Malaysia: Borneo, Sarawak), USNM soldier, worker (Malaysia: Borneo, Sarawak), FRI soldier, worker (Malaysia: Borneo, Sarawak).

Type locality: Malaysia: Borneo, Sarawak; Singapore.

- Desneux, 1904b: 45 Termes (Eutermes) rostratus; reference list. Malaysia: Mainland, Borneo.
- Holmgren, 1913c: 236, pl. 6: fig. 13 *Mirotermes (Mirotermes) rostratus*; imago, soldier, worker described; soldier figured; key; distribution; new combination. Malaysia: Borneo; Singapore.
- Bugnion, 1913d: 170 Mirotermes rostratus; antennal articles. Malaysia: Mainland, Sarawak.
- John, 1925: 409, 412 *Mirotermes rostratus*; locality; biology; key. Indonesia: Sumatra [except imago from Kota Barhu = *comis*]; Malaysia: Mainland, Sarawak; Singapore.
- Snyder, 1949a: 186 Termes rostratus; catalog; reference list. Borneo; Malaya; Singapore.
- Ahmad, 1958: 179, 181 Termes rostratus; key.
- Mathur and Thapa, 1962a: 121 Termes rostratus; collection catalog. Malaysia; Singapore.
- Harris, 1966a: 14 Termes rostratus; Haviland's types and type localities listed.
- Roonwal, 1970c: 352 Termes rostratus; biology; distribution.
- Morimoto, 1976b: 34 Termes rostratus; key; distribution.
- Mathot, 1979: 11 Termes rostratus; collection catalog; types listed.
- Roonwal and Verma, 1980b: 463 Termes rostratus; wing microsculpturing.
- Tho, 1992: 97, 199, 206, fig. 38A Termes rostratus; soldier described and figured. Malaysia.
- Jones and Brendell, 1998: 79–91 *Termes rostratus*; checklist; feeding groups; ecology. Malaysia: Mainland.
- Ahmad and Akhtar, 2002: 59 Termes rostratus; catalog. Malaysia: Sarawak; Singapore.

- Gathorne-Hardy, 2004: 120 *Termes rostratus*; checklist; distribution. Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sarawak.
- Gathorne-Hardy et al., 2006: 607, table 1 Termes rostratus; checklist; ecology; feeding; fire conservation; distribution. Indonesia: Kalimantan.
- © DISTRIBUTION: Oriental Region—Indonesia: Kalimantan, Sumatra; Malaysia: Mainland, Sarawak; Singapore.

#### †Termes siruguei Nel, 1984

†Termes siruguei Nel, 1984: 159-160 (imago), fig. 1.

TYPE DATA: Holotype: MHNAP imago.
Type locality: France: Aix-en-Provence.

- Nel and Paicheler, 1993: 167 Termes siruguei; as Termitidae subfamily incertae sedis; type data, paleontology, distribution.
- Krishna, 1996: 2 Termes sirugi [sic]; listed.
- Tistribution: Palaearctic Region—France.
- \* Fossil record: Cenozoic-Palaeogene: Oligocene.

#### Termes splendens (Sjöstedt, 1926)

Mirotermes splendens Sjöstedt, 1926a: 1 (soldier).

Type data: Syntypes: BMNH soldiers, workers, NHRM soldiers, workers, AMNH soldier, workers, IEA soldiers, workers.

Type locality: Ghana (Gold Coast): Kedje Keta.

- Snyder, 1949a: 186 Termes splendens; catalog; reference list; new combination. Ghana.
- Bouillon and Mathot, 1971: table: no. 340 Termes splendens; measurements.
- TISTRIBUTION: Ethiopian Region—Ghana.

# Trapellitermes Sands, 1995

*Trapellitermes* Sands, 1995: 1493–1494.

Type species: Trapellitermes loxomastax Sands, 1995 by original designation.

- Sands, 1998: 36, 202–204, figs. 765–778, pl. 10: fig. 3 *Trapellitermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.
- ▲ 1 species.
- TISTRIBUTION: Ethiopian Region.

#### Trapellitermes loxomastax Sands, 1995

Trapellitermes loxomastax Sands, 1995: 1494-1499 (soldier, worker), figs. 24-44.

Type data: Holotype: BMNH soldier. Paratypes: BMNH soldiers, workers, BMNH soldiers, workers (Ghana: 20 miles from Bolgatanga on Tamale road [not type colony and type locality]).

Type locality: Gambia: near Daranka on Madinari road [16°38′W, 13°23′N].

- Sands, 1998: 204, 405, figs. 765–767 *Trapellitemes loxomastax*; worker mandibles, gut figured; distribution. Gambia: Ghana.
- TISTRIBUTION: Ethiopian Region—Gambia; Ghana.

# Tuberculitermes Holmgren, 1912

**Tuberculitermes** Holmgren, 1912a: 108, 109 [first introduced as a subgenus of *Mirotermes* Wasmann, 1897].

Type species: Eutermes bycanistes Sjöstedt, 1905 by monotypy.

- Sjöstedt, 1926d: 274 Tuberculitermes; reference list.
- Emerson, 1928b: 408, 419 Mirotermes (Tuberculitermes); key; distribution.
- Snyder, 1949a: 174 Tuberculitermes; catalog; reference list.
- Emerson, 1955: 511 *Tuberculitermes*; number of species; distribution.
- Weidner, 1955f: 73 Tuberculitermes; number of species; distribution.
- Noirot and Kovoor, 1958: 450, 452, 453, 460, 468 Tuberculitermes; digestive tube anatomy.
- Webb, 1961: 14 Tuberculitermes; key.
- Bouillon and Mathot, 1965: 31, 110, 111, pl. 23: fig. 71c *Tuberculitermes*; key; characters; imago/worker mandibles figured.
- Harris, 1968c: 6 Tuberculitermes; key.
- Bouillon and Mathot, 1971: table Tuberculitermes; number of species in Ethiopian Region; soldier measurements.
- Morimoto, 1975b: 37 Tuberculitermes; key.
- Roonwal and Verma, 1980b: 468 Tuberculitermes; wing microsculpturing.
- Chhotani and Bose, 1983: 126 Tuberculitermes; distribution. Ethiopian Region.
- Roonwal, 1983b: 365 Tuberculitermes; wing microsculpturing.
- Sands, 1995: 1485 Tuberculitermes; key.
- Sands, 1998: 35, 236–238, figs. 1044–1070, pl. 16: figs. 1–3 *Tuberculitermes*; key; worker described; worker mandibles, gut figured; biology and economic status; distribution.

#### ▲ 3 species.

TISTRIBUTION: Ethiopian Region.

#### Tuberculitermes bycanistes (Sjöstedt, 1905)

Eutermes bycanistes Sjöstedt, 1905: 14-15 (soldier).

Type data: Syntypes: EMAG soldiers, NHRM soldiers, AMNH soldiers.

Type locality: Cameroon: River Mungo.

- Sjöstedt, 1911b: 9 Eutermes bycanistes; imago, worker described; locality. Congo-Zaire.
- Holmgren, 1912a: 109 *Mirotermes (Tuberculitermes) bycanistes*; listed; new combination. Congo-Zaire.
- Silvestri, 1914a: 129 *Tuberculitermes bycanistes*; reference list; characters; locality; new combination. Congo-Zaire.
- Hegh, 1922: 499, 500, 700 Mirotermes (Tuberculitermes) bycanistes; biology; reference list; distribution.
- Sjöstedt, 1926d: 274, fig. 60, pl. 11: figs. D1–2 *Tuberculitermes bycanistes*; soldier figured; reference list; key; biology; remarks; locality. Cameroon; Congo-Zaire; Senegal.
- Snyder, 1949a: 174 Tuberculitermes bycanistes; catalog; reference list. Cameroon; Congo-Zaire; Senegal.
- Weidner, 1956b: 100, fig. 43 *Tuberculitermes bycanistes*; synonymy; soldier described and figured; locality. Angola.

- Noirot and Kovoor, 1958: 469 Tuberculitermes bycanistes; digestive tube anatomy.
- Emerson, 1960c: 29 Tuberculitermes bycanistes; comparisons.
- Webb, 1961: fig. 23 Tuberculitermes bycanistes; soldier figured.
- Weidner, 1961: 69 Tuberculitermes bycanistes; listed.
- Mathur and Thapa, 1962a: 122 Tuberculitermes bycanistes; collection catalog. Congo-Zaire.
- Bouillon and Mathot, 1965: 31, 45, 110, 111, pl. 23: figs. 71a, 71b *Tuberculitermes bycanistes*; catalog; soldier figured. Gabon.
- Harris, 1965: 12, 15–16, 18, fig. 2 *Tuberculitermes bycanistes*; soldier figured; ecology; locality. Congo-Zaire.
- Roy-Noël, 1966a: 133, 135 Tuberculitermes bycanistes; listed.
- Bouillon and Mathot, 1971: table: no. 347 Tuberculitermes bycanistes; measurements.
- Deligne, 1971a: 184–191 Tuberculitermes bycanistes; digestive tube described and figured; phylogeny.
- Roy-Noël, 1972: 208, tables 1, 3 Tuberculitermes bycanistes; biology; ecology; distribution.
   Senegal to Congo.
- Weidner, 1974: 58 Tuberculitermes bycanistes; listed. Angola.
- Vincke, 1974: 699 Tuberculitermes bycanistes; chromosome number.
- Roy-Noël, 1974b: 526–609 *Tuberculitermes bycanistes*; biology; ecology; distribution. Cameroon; Congo; Gabon; Senegal.
- Morimoto, 1975b: 35, fig. 122 Tuberculitermes bycanistes; soldier figured.
- Vincke and Tilquin, 1978a: 152, table 1 *Tuberculitermes bycanistes*; chromosome number.
- Johnson et al., 1980: 60 Tuberculitermes bycanistes; checklist; biology; distribution. Nigeria.
- Medler, 1980: 57 Tuberculitermes bycanistes; checklist. Nigeria.
- Roonwal and Verma, 1980b: 459, figs. 2A-C Tuberculitermes bycanistes; wings described; wing microsculpturing.
- Roonwal, 1986: figs. 6, 7 Tuberculitermes bycanistes; wing microsculpturing.
- Roonwal et al., 1986: 248, 250, fig. 10, pl. 10 *Tuberculitermes bycanistes*; wing microsculpturing.
- Eggleton et al., 1995: 85–98 Tuberculitermes bycanistes; checklist; ecology. Cameroon.
- Eggleton et al., 1996: 51-68 Tuberculitermes bycanistes; checklist; feeding; ecology. Cameroon.
- Eggleton and Bignell, 1997: 489–498 Tuberculitermes bycanistes; associations; ecology.
   Cameroon.
- Sands, 1998: 238, 430, 431, figs. 1044–1046, 1054–1061 *Tuberculitermes bycanistes*; worker mandibles, gut figured; distribution. Cameroon; Congo-Zaire; Nigeria.
- Deligne, 1999: 208 Tuberculitermes bycanistes; worker mandibles; functional morphology.
- Dibog et al., 1999: 125-132 Tuberculitermes bycanistes; checklist; ecology. Cameroon.
- Eggleton et al., 2002b: 1243, table 1 Tuberculitermes bycanistes; checklist; ecology; feeding and nesting groups; distribution. Congo-Brazzaville.
- TISTRIBUTION: Ethiopian Region—Angola; Cameroon; Congo-Brazzaville; Congo-Zaire; Gabon; Nigeria; Senegal.

# Tuberculitermes flexuosus Roy-Noël, 1969

Tuberculitermes flexuosus Roy-Noël, 1969b: 133–135 (soldier), figs. 24–27.

TYPE DATA: Holotype: UDLZ soldier. Paratypes: AMNH soldier, IFAN soldiers, workers.

Type locality: Senegal: Niokolo-Koba region, near pool of Siminti.

- Bouillon and Mathot, 1971: 10, table: no. 348 *Tuberculitermes flexuosus*; catalog; measurements; distribution. Senegal.
- Medler, 1980: 57 Tuberculitermes flexuosus; checklist. Nigeria.
- Tistribution: Ethiopian Region—Senegal.

## Tuberculitermes guineensis Silvestri, 1914

*Tuberculitermes bycanistes guineensis* Silvestri, 1914a: 129–131 (queen, king, soldier, worker), fig. LXXVII.

Type data: Syntypes: IEA queen, soldiers, workers, nymphs (Guinea: Kindia), IEA soldiers, workers (Guinea: Mamou), AMNH soldier, workers, nymphs (Guinea: Kindia), FRI worker, nymph (Guinea: Kindia).

Type localities: Guinea: Kindia, Mamou.

- Hegh, 1922: 208, 484, 496, 535, 700 *Tuberculitermes bycanistes guineensis*; biology; reference list; distribution.
- Sjöstedt, 1926d: 274 *Tuberculitermes bycanistes guineensis*; reference list; key; biology; locality. Guinea.
- Snyder, 1949a: 174 Tuberculitermes bycanistes guineensis; catalog. Guinea.
- Ahmad, 1950: 84, fig. 15 Tuberculitermes bycanistes guineensis; worker mandibles figured.
- Mathur and Thapa, 1962a: 122 Tuberculitermes bycanistes var. guineensis; collection catalog. Guinea.
- Harris, 1968c: 2, 14 Tuberculitermes guineensis; raised to species rank; locality. Ghana; Nigeria; Sudan.
- Roy-Noël, 1969b: 133 Tuberculitermes bycanistes guineensis; listed.
- Bouillon and Mathot, 1971: 10, table: no. 349 Tuberculitermes guineensis; catalog; measurements; distribution. Nigeria; Sudan.
- Johnson et al., 1980: 60 *Tuberculitermes guineensis*; checklist; biology; distribution. Guinea; Nigeria.
- Medler, 1980: 57 Tuberculitermes guineensis; checklist. Nigeria.
- Wood et al., 1982: 25–39 *Tuberculitermes guineensis*; ecology; feeding and nesting habits; distribution. Nigeria.
- Sands, 1998: 238, 430, 431, figs. 1047–1053, 1062, 1063, 1069 *Tuberculitermes guineensis*; worker mandibles, gut figured; distribution. Nigeria.
- TISTRIBUTION: Ethiopian Region—Ghana; Guinea; Nigeria; Sudan.

# Xylochomitermes Miller, 1991

*Xylochomitermes* Miller, 1991: 1157–1160.

Type species: Capritermes melvillensis Hill, 1915 by original designation.

- Hill, 1942: 14, 377–379 *Mirotermes* [as genus and subgenus, part]; key; synonymy; imago, soldier, worker diagnosed.
- Snyder, 1949a: 178 Termes [part]; catalog; reference list.
- Watson and Abbey, 1993b: 6 Xylochomitermes; remarks; Australian species.
- ▲ 6 species.
- DISTRIBUTION: Australian Region.

# Xylochomitermes aspinosus Miller, 1991

*Xylochomitermes aspinosus* Miller, 1991: 1160–1161 (soldier), figs. 22–25, 331, 380.

Type data: Holotype: ANIC No. 9134 soldier. Paratypes: ANIC No. 10 18331 soldiers, workers, AMNH soldiers, workers, BMNH soldiers, workers, ANIC soldiers, workers [not type locality], ANIC soldiers, workers [several series from non-type localities].

Type locality: Australia: Western Australia: Kununurra.

- Watson and Abbey, 1993b: 149, fig. 257 Xylochomitermes aspinosus; distribution map.
- Watson et al., 1998: 246 *Xylochomitermes aspinosus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Western Australia.

#### *Xylochomitermes melvillensis* (Hill, 1915)

*Capritermes melvillensis* Hill, 1915: 94–95 (soldier, worker) [misspelled as *Copritermes*; described as "*Melvillensis*"].

Type data: Holotype: NMV No.T-10876 soldier [cited by Hill, 1915 as "the type"]. Paratypes: NMV soldiers, workers, AMNH soldiers, workers.

Type Locality: Australia: Northern Territory: Melville Island: Garden Point (as Fort Dundas).

- Hill, 1927a: 97–99, pl. 3: figs. 114–119, pl. 6: fig. 204, pl. 7: figs. 221–222, pl. 9: fig. 205 •
   Mirotermes melvillensis; imago (previously unknown) described; biology; locality; new combination. Australia.
- Hill, 1942: 395–396, figs. 304–306 *Mirotermes (Mirotermes) melvillensis*; imago, soldier described and figured; synonymy; distribution; biology. Australia.
- Snyder, 1949a: 183 Termes melvillensis; catalog; reference list; new combination. Australia.
- Gay and Calaby, 1970: 434 Termes melvillensis; biology; distribution. Australia.
- Miller, 1991: 1162–1163, figs. 26–29, 225–227, 332, 380 *Xylochomitermes melvillensis*; imago, soldier described and figured; new combination. Australia.
- Watson and Abbey, 1993b: 149, fig. 258 *Xylochomitermes melvillensis*; distribution map. Australia.
- Inoue et al., 1997b: 159–171 *Xylochomitermes melvillensis*; symbionts; enzymes; mtDNA sequence; phylogeny.
- Sugimoto et al., 1997: 211, 213, 216, 220 *Xylochomitermes melvillensis*; methane and hydrogen emissions. Australia.
- Abensperg-Traun and Perry, 1998: 198 Xylochomitermes melvillensis; biology; ecology; distribution.
- Tayasu et al., 1998: 536–542 *Xylochomitermes melvillensis*; nitrogen fixation; isotope effect; humification; feeding; phylogeny; checklist. Australia: Darwin.
- Watson et al., 1998: 246 *Xylochomitermes melvillensis*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Northern Territory.

## *Xylochomitermes occidualis* (Gay, 1971)

Termes occidualis Gay, 1971a: 10-13 (imago, soldier), figs. 2A-2C, 9J, 10G.

Type data: Holotype: ANIC No. 9120 imago  $\,^{\circ}$ . Paratypes: ANIC No. 10 9142 imagoes, soldiers, workers, AMNH imagoes, soldier, worker.

Type Locality: Australia: Western Australia: Rudgyard, near Denmark.

- Perry et al., 1985: 68, 76, fig. 5D Termes occidualis; key; characters; soldier figured; biology.
- Abensperg-Traun and de Boer, 1990: 226 Termes occidualis; checklist; ecology; habitat; distribution. Australia.
- Miller, 1991: 1163, figs. 30–33, 228–230, 333, 380 *Xylochomitermes occidualis*; imago, soldier figured; new combination. Australia.
- Abensperg-Traun, 1993: 37 Xylochomitermes occidualis; foraging; defense.
- Watson and Abbey, 1993b: 150, fig. 259 Xylochomitermes occidualis; distribution map.

- Abensperg-Traun and Perry, 1998: 196, 199, fig. 2 Xylochomitermes occidualis; biology; ecology; distribution.
- Watson et al., 1998: 246 Xylochomitermes occidualis; catalog; synonymy; distribution; ecology.
   Australia.
- ♠ DISTRIBUTION: Australian Region—Australia: Western Australia.

## *Xylochomitermes punctillus* Miller, 1991

*Xylochomitermes punctillus* Miller, 1991: 1164–1167 (imago, soldier), figs. 34–37, 231–233, 334, 380.

Type data: Holotype: ANIC No. 9135 soldier. Paratypes: ANIC No. 10 18352 imagoes, soldiers, workers, AMNH imagoes, soldiers, workers, BMNH imagoes, soldiers, workers, ANIC imagoes, soldiers, workers [several series from non-type localities].

Type locality: Australia: Queensland: Weipa.

- Watson and Abbey, 1993b: 150, fig. 260 Xylochomitermes punctillus; distribution map.
- Watson et al., 1998: 246–247 *Xylochomitermes punctillus*; catalog; synonymy; distribution; ecology. Australia.
- © DISTRIBUTION: Australian Region—Australia: Queensland.

#### Xylochomitermes reductus (Gay, 1971)

Termes reductus Gay, 1971a: 16-18 (imago, soldier), figs. 4A-C, 9K, 10H.

Type data: Holotype: ANIC No. 9122 imago ♀. Paratypes: ANIC No. 10 7917 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldier, worker.

Type locality: Australia: Western Australia: 3 mi NNE Kojonup.

- Miller, 1991: 1167, figs. 38–41, 234–236, 335, 381 *Xylochomitermes reductus*; imago, soldier figured; new combination. Australia.
- Watson and Abbey, 1993b: 151, fig. 261 *Xylochomitermes reductus*; distribution map.
- Watson et al., 1998: 247 Xylochomitermes reductus; catalog; synonymy; distribution; ecology.
   Australia.
- DISTRIBUTION: Australian Region—Australia: Western Australia.

#### *Xylochomitermes tomentosus* (Gay, 1971)

Termes tomentosus Gay, 1971a: 18-20 (imago, soldier), figs. 5A-C, 9L, 10I, 11D-F.

Type data: Holotype: ANIC No. 9123 imago ♀. Paratypes: ANIC No. 10 10514 imagoes, soldiers, workers, nymphs, AMNH imagoes, soldier, worker.

Type Locality: Australia: Western Australia: 10 mi E Eneabba.

- Perry et al., 1985: 68, 76, fig. 5E Termes tomentosus; key; soldier figured; biology.
- Miller, 1991: 1167, figs. 42–45, 237–239, 336, 381 Xylochomitermes tomentosus; imago, soldier figured; new combination. Australia.
- Watson and Abbey, 1993b: 151, fig. 262 Xylochomitermes tomentosus; distribution map.
- Watson et al., 1998: 247 Xylochomitermes tomentosus; catalog; synonymy; distribution; ecology.
   Australia
- 🔇 DISTRIBUTION: Australian Region—Australia: Western Australia.

# Termitinae species inquirenda

*Termes praelongus* Dudley, 1890a: 160, 168, 169, 171, 172, 177 (imago, soldier) [Snyder 1949: 181 listed this species as a synonym of *hispaniolae*. If, in future, Snyder is proved correct, the name *praelongus* would have priority. We are tentatively categorizing it as species inquirenda, following Constantino, 1998, who places it with names of uncertain position].

Type data: Syntypes (whereabouts unknown): imagoes, soldiers.

Type locality: Panama.

- Snyder, 1949a: 181 Termes praelongus; catalog; listed as synonym of hispaniolae.
- Araujo, 1977c: 67 Termes praelongus; catalog listed as synonym of hispaniolae.
- Constantino, 1998b: 211 Termes praelongus; catalog; placed in uncertain postion. Panama.
- § DISTRIBUTION: Neotropical Region—Panama.

#### Termitinae incertae sedis

#### †Metatermites Armbruster, 1941: 26.

Type species: Metatermites statzi Armbruster, 1941 by monotypy.

- Emerson, 1971: 297 Metatermites; systematic position doubtful.
- Carpenter, 1992: 142 *Metatermites*; species included; fossil distribution.
- Nel and Paicheler, 1993: 168 Metatermites (as Termitidae incertae sedis).

#### ▲ 1 species.

TISTRIBUTION: Palaearctic Region.

## †Metatermites statzi Armbruster, 1941: 26 (imago), unnumbered fig. on p. 25.

Type data: Holotype: SMNS No. 2034 imago.

Type Locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 *Metatermites statzi*; systematic position doubtful.
- Weidner, 1971: 45 Metatermites statzi; listed.
- Nel and Paicheler, 1993: 168 Metatermites statzi; systematic position doubtful.
- Krishna, 1996: 2 Metatermites statzi; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### †Termes (Eutermes) croaticus Heer, 1849b: 34 (imago), pl. 3: fig. 5.

Type data: Holotype (whereabouts unknown): imago.

Type locality: Yugoslavia: Croatia: Radoboj.

- Giebel, 1852: 638 Termes croaticus; listed; locality. Croatia.
- Pictet, 1854: 370 Termes croaticus; listed.
- Hagen, 1855: 306 Termes croaticus; discussion.
- Giebel, 1856: 295, 419 Termes (Eutermes) croaticus; imago described; paleontology.
- Hagen, 1858b: 28 Termes (Entermes [sic]) croaticus; imago described; synonymy; distribution.
   Croatia.
- Hagen, 1858c: 205 Termes (Eutermes) croaticus; imago described; synonymy; distribution. Croatia.
- Scudder, 1883: 134 Eutermes croaticus; listed.

- Scudder, 1890: 105 Eutermes croaticus; listed.
- Handlirsch, 1907: 700 "Eutermes" croaticus; listed; synonymy.
- Rosen, 1913a: 326 Termes croaticus; listed.
- Pongrácz, 1917: 31 Termes croaticus; discussion.
- Snyder, 1925d: 160, chart 1 Eutermes? croaticus; also as "Termes" croaticus; discussion.
- Pongrácz, 1926: pl. 5 Eutermes croaticus; phylogeny.
- Statz, 1939: table 4 Termes croaticus; listed; paleontology.
- Nel and Paicheler, 1993: 168 *Termes (Eutermes) croaticus*; as Termitidae incertae sedis; systematic position doubtful.
- Krishna, 1996: 2 Termes (Eutermes) croaticus; listed.
- Tistribution: Palaearctic Region—Croatia.
- \* Fossil record: Cenozoic-Neogene: Miocene.

## †Termes (Eutermes) obscurus Heer, 1849b: 33-34 (imago), pl. 3: fig. 4.

Type data: Holotype (whereabouts unknown): imago.

Type locality: Yugoslavia: Croatia: Radoboj.

- Giebel, 1852: 638 Termes obscurus; listed; locality. Croatia.
- Pictet, 1854: 370 Termes obscurus; listed.
- Hagen, 1855: 306 Termes obscurus; discussion.
- Giebel, 1856: 295, 419 Termes (Eutermes) obscurus; imago described; paleontology.
- Pictet-Baraban and Hagen, 1856: 48 Termes obscurus; discussion.
- Hagen, 1858b: 28 Termes (Entermes [sic]) obscurus; imago described; synonymy; distribution.
   Croatia.
- Hagen, 1858c: 204–205 Termes (Eutermes) obscurus; imago described; synonymy; distribution.
   Croatia.
- Hagen, 1862a: 59 Eutermes obscurus; listed.
- Scudder, 1883: 134 Eutermes obscurus; listed.
- Scudder, 1890: 105 Eutermes obscurus; listed.
- Handlirsch, 1907: 700 "Eutermes" obscurus; listed; synonymy.
- Rosen, 1913a: 326 Termes obscurus; listed.
- Pongrácz, 1917: 31 Termes obscurus; discussion.
- Snyder, 1925d: 160, chart 1 Eutermes? obscurus; discussion.
- Pongrácz, 1926: 25, pl. 5 Termes obscurus; also as Eutermes obscurus; discussion; phylogeny.
- Pongrácz, 1928: 112 Termes obscurus; discussion.
- Statz, 1939: table 4 *Termes obscurus*; listed; paleontology.
- Nel and Paicheler, 1993: 168 Termes (Eutermes) obscurus; as Termitidae incertae sedis; systematic position doubtful.
- Krishna, 1996: 2 Termes (Eutermes) obscurus; listed.
- Tistribution: Palaearctic Region—Croatia.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †*Termes giganteus* Hagen, 1855: 306 (imago) [nomen nudum; credited by most authors to Heer, but name introduced (as nomen nudum) by Hagen; Croatia: Radoboj].

- Girard, 1879: 282 Termes giganteus; discussion.
- Snyder, 1925d: chart 1 Termes giganteus; listed.
- Krishna, 1996: 2 Termes giganteus; listed.
- TISTRIBUTION: Palaearctic Region—Croatia.
- \* Fossil record: Cenozoic-Neogene: Miocene.

†*Termes buchii* Heer, 1865: 360 [*Termes Buchi* Goldenberg, 1873 [not a termite; probably an arachnid fide Emerson file card] = a junior primary homonyn of *T. buchii* Heer, 1865].

Type data: Holotype (whereabouts unknown): imago.

Type locality: Germany: Oeningen in Baden.

- Heer, 1876b: 14, 22 Termes Buchii; mentioned. Switzerland.
- Handlirsch, 1907: 702 "Termes" Büchi [sic]; listed as incertae sedis; synonymy.
- Rosen, 1913a: 326 Termes büchii; listed.
- Snyder, 1925d: chart 1 "Termes" buchii; listed.
- Statz, 1939: table 4 Termes? büchi [sic]; listed; paleontology.
- Armbruster, 1941: 41 Eutermes büchii; discussion.
- Snyder, 1949a: 369 Termes buchii; catalog; uncertain position.
- Nel and Paicheler, 1993: 167–168 *Termes büchii* (as Termitidae (?) genus incertae sedis); type data; paleontology; distribution.
- Krishna, 1996: 2 Termes buchii; listed.
- Tistribution: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### †Eutermes fraasi Rosen, 1913a: 327–328 (imago).

Type data: Holotype: SMNS imago wing (Upper Miocene).

Type Locality: Germany: Randeck.

- Snyder, 1925d: 160, chart 1 Eutermes fraasi; discussion.
- Pongrácz, 1926: pl. 5 Eutermes Fraasi; phylogeny.
- Statz, 1939: table 4 Eutermes fraasi; listed; paleontology.
- Armbruster, 1941: 30–32, 39, unnumbered fig. on p. 29 Eutermes fraasi; imago described and figured. Germany.
- Weidner, 1971: 46 Eutermes fraasi; listed.
- Nel and Paicheler, 1993: 168 Eutermes fraasi; as incertae sedis; paleontology; distribution.
- Krishna, 1996: 2 Eutermes fraasi; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

†Mirotermes resinatus Rosen, 1913a: 333 (imago), pl. 31, fig. 27 [no description, but figure of imagoes in copal].

Type data: Syntypes (whereabouts unknown): imagoes.

Type locality: East Africa.

- Snyder, 1925d: chart 1 Mirotermes resinatus; listed.
- Nel and Paicheler, 1993: 169 *Mirotermes resinatus* (as Termitidae incertae sedis); type data; paleontology; distribution.
- TISTRIBUTION: Ethiopian Region—East Africa.
- \* Fossil Record: Quarternary-Pleistocene.

# †Termes (Termes) amicus Rosen, 1913a: 333 (imago), pl. 31: fig. 25.

Type data: Syntypes (whereabouts unknown): soldiers, workers (Pleistocene [Copal]). Type locality: East Africa.

- Snyder, 1925d: chart 1 Termes (Termes) amicus; listed.
- Spahr, 1992: 36 Macrotermes amicus; synonymy; Copal fossil.
- Nel and Paicheler, 1993: 168 Termes (Termes) amicus; as Termitidae (?) genus incertae sedis; "type" data; paleontology; distribution.
- TISTRIBUTION: Ethiopian Region—East Africa.
- \* Fossil Record: Quarternary-Pleistocene.

#### †Eutermes nickeli Armbruster, 1941: 26–28 (imago), unnumbered figs. on p. 25.

TYPE DATA: Syntypes: SMNS Nos. 2004, 2018, 2026, 2041, 2043, 2047, 2053 imagoes. Type locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Eutermes nickeli; systematic position doubtful.
- Weidner, 1971: 45 Eutermes nickeli; listed.
- Nel and Paicheler, 1993: 168 Eutermes nickeli; systematic position doubtful.
- Krishna, 1996: 2 Eutermes nickeli; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Eutermes sachtlebini Armbruster, 1941: 31-32 (imago), unnumbered fig. on p. 29.

Type data: Syntypes: SMNS Nos. 2017, 2042 imagoes. Type locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Eutermes sachtlebini; systematic position doubtful.
- Weidner, 1971: 46 Eutermes sachtlebini; listed.
- Nel and Paicheler, 1993: 168 Eutermes sachtlebini; systematic position doubtful.
- Krishna, 1996: 2 Eutermes sachlebini [sic]; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### †Termes drabatyi Armbruster, 1941: 29–30 (imago), unnumbered figs. on p. 29.

Type data: Syntypes: SMNS Nos. 2005, 2037, 2049 imagoes.

Type locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Termes drabatyi; systematic position doubtful.
- Weidner, 1971: 45 Termes drabatyi; listed.
- Nel and Paicheler, 1993: 168 Termes drabatyi; systematic position doubtful.
- Krishna, 1996: 2 Termes drabatyi; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Termes hauffi Armbruster, 1941: 35-36 (imago), unnumbered fig. on p. 8.

Type data: Holotype: SMNS imago.

Type Locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Termes hauffi; systematic position doubtful.
- Weidner, 1971: 46 Termes hauffi; listed.
- Weidner and Riou, 1986: 363 Termes hauffi; discussion.
- Nel and Paicheler, 1993: 168 Termes hauffi; systematic position doubtful.
- Krishna, 1996: 2 Termes hauffi; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Termes korschefskyi Armbruster, 1941: 30 (imago), unnumbered fig. on p. 29.

Type data: Holotype: SMNS No. 2025 imago.

Type locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Termes korschefskyi; systematic position doubtful.
- Weidner, 1971: 46 Termes korschefskyi; listed.
- Nel and Paicheler, 1993: 168 Termes korschefsteyi [sic]; systematic position doubtful.
- Krishna, 1996: 2 Termes korschefskyi; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Termes scheeri Armbruster, 1941: 35 (imago), 2 unnumbered figs. on p. 9.

Type data: Holotype: SMNS No. 2000 imago. Paratype: SMNS No. 1999 imago.

Type Locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Termes scheeri; systematic position doubtful.
- Weidner, 1971: 46 Termes scheeri; listed.
- Weidner and Riou, 1986: 363 Termes scheeri; discussion.
- Nel and Paicheler, 1993: 168 Termes scheeri; systematic position doubtful.
- Krishna, 1996: 2 Termes scheeri; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Termes schleipi Armbruster, 1941: 28–29 (imago), unnumbered fig. on p. 29.

Type data: Holotype: SMNS No. 2029 imago.

Type Locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Termes schleipi; systematic position doubtful.
- Weidner, 1971: 45 Termes schleipi; listed.
- Nel and Paicheler, 1993: 168 Termes schleipi; systematic position doubtful.
- Krishna, 1996: 2 Termes schleipi; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Termes stitzi Armbruster, 1941: 32-33 (imago), unnumbered fig. on p. 9.

Туре data: Holotype: SMNS No. 2002 imago.

Type Locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Termes sitzi [sic]; systematic position doubtful.
- Weidner, 1971: 46 Termes stitzi; listed.
- Nel and Paicheler, 1993: 168 Termes stitzi; systematic position doubtful.
- Krishna, 1996: 2 Termes sitzi [sic]; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Termes weismanni Armbruster, 1941: 32 (imago), unnumbered fig. on p. 2.

Type data: Holotype: SMNS No. 2007 imago.

Type Locality: Germany: Randeck, near Stuttgart.

- Emerson, 1971: 297 Termes weismanni; systematic position doubtful.
- Weidner, 1971: 46 Termes weismanni; listed.
- Nel and Paicheler, 1993: 168 Termes weimanni [sic]; systematic position doubtful.
- Krishna, 1996: 2 Termes weismanni; listed.
- Tistribution: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### **FAMILY** incertae sedis

### †CARINATERMITINAE Krishna and Grimaldi, 2000

†Carinatermitinae Krishna and Grimaldi, 2000: 134 [placed in Hodotermitidae].

Type Genus: Carinatermes Krishna and Grimaldi, 2000.

- Fontes and Vulcano, 2004: 346 Carinatermitinae; fossil catalog; fossils. New World.
- Engel and Krishna, 2004a: 3, 5, table 1 Carinatermitinae; of Hodotermitidae; classification; listed.
- ▲ 1 genus: 1 species.
- § DISTRIBUTION: Nearctic Region.

# †Carinatermes Krishna and Grimaldi, 2000

†Carinatermes Krishna and Grimaldi, 2000: 134-136.

Type species: Carinatermes nascimbeni Krishna and Grimaldi, 2000 by original designation.

— Fontes and Vulcano, 2004: 346 • Carinatermes; fossil catalog. New World.

- ▲ 1 species.
- © DISTRIBUTION: Nearctic Region.
- \* Fossil record: Mesozoic-Cretaceous: Late: Turonian.

#### †Carinatermes nascimbeni Krishna and Grimaldi, 2000

†Carinatermes nascimbeni Krishna and Grimaldi, 2000: 136-137 (imago), figs. 1-2.

TYPE DATA: Holotype: AMNH No. NJ-124 imago in amber.

Type locality: USA: New Jersey: Sayreville: White Oaks (Crossman's) Pits.

- Fontes and Vulcano, 2004: 346 Carinatermes nascimbeni; fossil catalog. New World.
- Engel et al., 2007a: 28 Carinatermes nascimbenei [sic]; listed.
- Bechly, 2007: 252 Carinatermes nascimbeni; comments on placement.
- Engel et al., 2009: 23, 24, 26, figs. 1, 3 *Carinatermes nascimbeni*; character-state coding; phylogeny; geological time.
- § DISTRIBUTION: Nearctic Region—USA: New Jersey.
- \* Fossil Record: Mesozoic-Cretaceous: Late: Turonian.

# †CRETATERMITINAE Emerson, 1968

†Cretatermitinae Emerson, 1968a: 278 [placed in Hodotermitidae].

Type Genus: Cretatermes Emerson, 1968.

- Krishna, 1970: 131, 134, 136, figs. 1, 3 Cretatermitinae; as subfamiliy of Hodotermitidae; discussion; phylogeny of subfamily and genera; distribution.
- Araujo, 1977c: 69 Cretatermitinae; catalog; placed in family Hodotermitidae.
- Fontes and Vulcano, 2004: 346 Cretatermitinae; fossil catalog. New World.

- Engel and Krishna, 2004a: 3, 5, table 1 Cretatermitinae; of Termopsidae; classification; listed.
- Bechly, 2007: 256 Cretatermitinae; comments on placement.
- ▲ 4 genera: 5 species.
- 🐧 🕙 DISTRIBUTION: Neotropical Region; Oriental Region.

# †Asiatermes Ren, 1995

†Asiatermes Ren, 1995: 60, 182 [placed in Cretatermitinae; of Hodotermitidae].

Type species: Asiatermes reticulatus Ren, 1995, by original designation.

- Thorne et al., 2000: 80 Asiatermes; number of fossil species; age; distribution.
- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

#### †Asiatermes reticulatus Ren, 1995

†Asiatermes reticulatus Ren, 1995: 60, 182 (imago), fig. 3.15, pl. 6: fig. 3.

Type data: Holotype (whereabouts unknown): No. BL92044 imago.

Type locality: China: Beijing.

- Krishna and Grimaldi, 2000: 134 Asiatermes reticulatus; listed; systematic position unknown.
- Thorne et al., 2000: 82, fig. 3 [part] Asiatermes reticulatus; imago wing figured.
- Engel et al., 2007a: 28 Asiatermes reticulatus; listed.
- © DISTRIBUTION: Oriental Region—China: Beijing.
- **☀** Fossil record: Mesozoic–Cretaceous: Early.

#### †Cretatermes Emerson, 1968

†Cretatermes Emerson, 1968a: 284.

Type species: Cretatermes carpenteri Emerson, 1968 by monotypic and original designation.

- Araujo, 1977c: 69 Cretatermes; catalog.
- Chhotani, 1985: 90 Cretatermes; distribution and zoogeography. Canada.
- Carpenter, 1992: 140, fig. 83 Cretatermes; characters; wing figured; species included; fossil distribution.
- Fontes and Vulcano, 1998: 248 Cretatermes; discussion.
- Thorne et al., 2000: 80 Cretatermes; number of fossil species; age; distribution.
- Fontes and Vulcano, 2004: 346 Cretatermes; fossil catalog. New World.
- ▲ 1 species.
- § DISTRIBUTION: Nearctic Region; Neotropical Region.

#### †Cretatermes carpenteri Emerson, 1968

†Cretatermes carpenteri Emerson, 1968a: 285–288 (imago), figs. 1–3.

Type data: Holotype: PU No. 87270 imago wing (Cretaceous: Cenomanian, ex ferrugineous argillite).

Type Locality: Canada: Labrador: Knob Lake District: Redmond #1 deposit near Schefferville [54°50′N, 67°00′W].

- Weidner, 1968b: 13 Cretatermes carpenteri; discussion.
- Araujo, 1977c: 69 Cretatermes carpenteri; catalog. Canada: Labrador.
- Burnham, 1978: 86-88, fig. 1 Cretatermes carpenteri; listed; imago figured.
- Schlüter, 1978: 55 Cretatermes carpenteri; discussion.
- Schlüter, 1989: 62 Cretatermes carpenteri; discussion.
- Krishna, 1990: 76 Cretatermes carpenteri; discussion.
- Nel and Paicheler, 1993: 135 Cretatermes carpentieri [sic]; type data; paleontology; distribution.
- Martínez-Delclòs and Martinell, 1995: 595 Cretatermes carpenteri; listed.
- Fontes and Vulcano, 1998: 278 Cretatermes carpenteri; fossil catalog. New World.
- Krishna and Grimaldi, 2000: 133 Cretatermes carpenteri; listed.
- Thorne et al., 2000: 82, 85–86, 88, figs. 3 [part], 5 *Cretatermes carpenteri*; discussion; imago figured.
- Fontes and Vulcano, 2004: 347 Cretatermes carpenteri; fossil catalog. New World.
- Engel et al., 2007a: 28 Cretatermes carpenteri; listed.
- § DISTRIBUTION: Nearctic Region—Canada: Labrador.
- \* Fossil Record: Mesozoic-Cretaceous: Late: Cenomanian.

#### †Huaxiatermes Ren, 1995

†Huaxiatermes Ren, 1995: 59, 182 [placed in Cretatermitinae, of Hodotermitidae].

Type species: *Huaxiatermes huangi* Ren, 1995 by original designation.

- Thorne et al., 2000: 80 Huaxiatermes; number of fossil species; age; distribution.
- ▲ 1 species.
- **©** DISTRIBUTION: Oriental Region.

#### †Huaxiatermes huangi Ren, 1995

†Huaxiatermes huangi Ren, 1995: 59-60, 182 (imago), fig. 3.14, pl. 6: fig. 7.

Type data: Holotype (whereabouts unknown): No. BL92106 imago.

TYPE LOCALITY: China: Beijing.

- Krishna and Grimaldi, 2000: 134 Huaxiatermes huangi; listed; systematic position unknown.
- Thorne et al., 2000: 82, fig. 3 [part] Huaxiatermes huangi; imago wing figured.
- Engel et al., 2007a: 28 Huaxitermes [sic] huangi; listed.
- © DISTRIBUTION: Oriental Region—China: Beijing.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

# †Mesotermopsis Engel and Ren, 2003

†Mesotermopsis Engel and Ren, 2003: 536 [nom. nov. for Mesotermes Ren, 1995].

†Mesotermes Ren, 1995: 60–61, 182 [Mesotermes Ren, 1995, a junior homonym of Mesotermes Haase, 1890 (Neuroptera), replaced by Mesotermopsis Engel and Ren, 2003; placed in Cretatermitinae; of Hodotermitidae].

Type species: Mesotermes incompletus Ren, 1995 by original designation.

— Thorne et al., 2000: 80 • Mesotermes; number of fossil species; age; distribution.

- ▲ 2 species.
- **©** DISTRIBUTION: Oriental Region.

#### †Mesotermopsis incompleta (Ren, 1995)

†Mesotermes incompletus Ren, 1995: 60-61, 182 (imago), fig. 3.16, pl. 6: fig. 5.

Type data: Holotype (whereabouts unknown): No. BL92201 imago.

Type locality: China: Beijing.

- Krishna and Grimaldi, 2000: 134 *Mesotermes incompletus*; listed; systematic position unknown
- Engel and Ren, 2003: 536 Mesotermopsis incompletus; listed as new combination.
- Engel et al., 2007a: 28 Mesotermopsis incompleta; listed.
- © DISTRIBUTION: Oriental Region—China: Beijing.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

#### †Mesotermopsis lata (Ren, 1995)

†Mesotermes latus Ren, 1995: 61 (imago), fig. 3.17.

Type data: Holotype (whereabouts unknown): No. BL92053 imago.

Type Locality: China: Beijing.

- Zhu et al.,1997: 361 Mastotermes latus; listed.
- Krishna and Grimaldi, 2000: 134 Mesotermes latus; listed; systematic position unknown.
- Engel and Ren, 2003: 536 Mesotermopsis latus; listed as new combination.
- Engel et al., 2007a: 28 Mesotermopsis lata; listed.
- © DISTRIBUTION: Oriental Region—China: Beijing.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

### †LUTETIATERMITINAE Schlüter, 1989

†Lutetiatermitinae Schlüter, 1989: 61 [Krishna and Grimaldi, 2000 have cast doubt on the validity of the subfamily and genus, as they are based on a single character: a "trapezoid cell" between the media and cubitus—probably an ontogenetic variation. The type specimen

of the type species, *Lutetiatermes prisca*, unavailable at present, will have to be examined before a definitive identification of these taxa can be determined].

Type Genus: Lutetiatermes Schlüter, 1989.

- Spahr, 1992: 27 Lutetiatermitinae; listed; synonymy.
- Engel and Krishna, 2004a: 3, 5, table 1 Lutetiatermitinae; of Hodotermitidae; classification; listed.
- ▲ 1 genus: 1 species.
- TISTRIBUTION: Palaearctic Region.

# †Lutetiatermes Schlüter, 1989

†Lutetiatermes Schlüter, 1989: 62 [Krishna and Grimaldi, 2000 have cast doubt on the validity of the subfamily and genus, as they are based on a single character: a "trapezoid cell" between the media and cubitus—probably an ontogenetic variation. The type specimen of the type species, Lutetiatermes prisca, unavailable at present, will have to be examined before a definitive identification of these taxa can be determined].

Type species: Lutetiatermes prisca Schlüter, 1989 by monotypy.

— Thorne et al., 2000: 80 • Lutetiatermes; number of fossil species; age; distribution.

▲ 1 species.

TISTRIBUTION: Palaearctic Region.

# †Lutetiatermes priscus Schlüter, 1989

†Lutetiatermes prisca Schlüter, 1989: 62 (imago), figs. 2–4, pl. 1: fig. 7, pl. 2: figs. 1–6 [Krishna and Grimaldi, 2000 have cast doubt on the validity of the subfamily and genus, as they are based on a single character: a "trapezoid cell" between the media and cubitus—probably an ontogenetic variation. The type specimen of the type species Lutetiatermes prisca, unavailable at present, will have to be examined before a definitive identification of these taxa can be determined].

Type data: Holotype: PIFU No. Is Ce Bez 1ab imago. Type locality: France: Ecommoy: Bezonnais: Sarthe.

- Schlüter, 1975: 155 Isoptera [= prisca fide Schlüter, 1989: 62]; discussion.
- Schlüter, 1978: 56–58, figs. 23–25, pl. 7: figs. 1–3 Isoptera species A [= *prisca* fide Schlüter, 1989: 62]; imago described and figured.
- Spahr, 1992: 28 Lutetiatermes prisca; synonymy.
- Nel and Paicheler, 1993: 154 Lutetiatermes prisca; type data; paleontology; distribution.
- Martínez-Delclòs and Martinell, 1995: 595 Lutetiatermes prisca; listed.
- Krishna and Grimaldi, 2000: 133 Lutetiatermes prisca; listed.
- Thorne et al., 2000: 82, 85, fig. 3 [part] Luteitermes [sic] prisca; discussion; imago wing figured.
- Engel et al., 2007a: 28 Lutetiatermes priscus; listed.
- Tistribution: Palaearctic Region—France.
- \* Fossil Record: Mesozoic-Cretaceous: Late: Cenomanian.

# †KRAUSICHNIDAE Genise, 2004

†Krausichnidae Genise, 2004: 435.

Type Genus: Krausichnus Genise and Bown, 1994.

# †Fleaglellius Genise and Bown, 1994

†Fleaglellius Genise and Bown, 1994: 167.

Type species: Fleaglellius pagodus Genise and Bown, 1994 by original designation.

TISTRIBUTION: Palaearctic Region.

#### †Fleaglellius pagodus Genise and Bown, 1994

†Fleaglellius pagodus Genise and Bown, 1994: 167-169 (ichnofossil nest), figs. 6C-G, 8E, F.

Type data: Holotype: CGM ichnofossil nest.

Type Locality: Egypt: Jebel Formation to Fayum Depression.

- TISTRIBUTION: Palaearctic Region—Egypt.
- \* Fossil record: Cenozoic-Palaeogene: Eocene-Oligocene.

# †Krausichnus Genise and Bown, 1994

†Krausichnus Genise and Bown, 1994: 169.

Type species: Krausichnus trompitus Genise and Bown, 1994 by original designation.

TISTRIBUTION: Palaearctic Region.

#### †Krausichnus altus Genise and Bown, 1994

†Krausichnus altus Genise and Bown, 1994: 173 (ichnofossil nest), figs. 7H, I, 11, 12.

Type data: Holotype: CGM ichnofossil nest.

Type Locality: Egypt: Jebel Qatrani Formation and Fayum Depression (Eocene-Oligocene).

- TISTRIBUTION: Palaearctic Region—Egypt.
- \* Fossil record: Cenozoic-Palaeogene: Eocene-Oligocene.

#### †Krausichnus trompitus Genise and Bown, 1994

†*Krausichnus trompitus* Genise and Bown, 1994: 169, 173 (fossil nest), figs. 6H, I, 7A–G, 8D, 9, 10, pl. IV.

Type data: Holotype: CGM ichnofossil nest.

Type locality: Egypt: Qasr el Sagha Formation and Jebel Qatrani Formation.

- TISTRIBUTION: Palaearctic Region—Egypt.
- \* Fossil record: Cenozoic-Palaeogene: Eocene-Oligocene.

# †Tacuruichnus Genise, 1997

#### †Tacuruichnus Genise, 1997: 140.

Type species: Tacuruichnus farinai Genise, 1997 by original designation.

- Genise et al., 2000: 49-64 Tacuruichnus; ichnofossils; trace fossils; nests.
- Genise, 2004: 436, 439 Tacuruichnus; key; synonymy; nest characters.
- § DISTRIBUTION: Neotropical Region.

#### †Tacuruichnus farinai Genise, 1997

†Tacuruichnus farinai Genise, 1997: 140 (ichnofossil nest), fig. 2 [ichnofossil taxon].

Type data: Holotype: MACN ichnofossil nest.

Type Locality: Argentina: Buenos Aires Province: Barranca de Los Lobos Formation (Pliocene).

- Fontes and Vulcano, 2004: 358 Tacuruichnus farinai; fossil catalog. New World.
- § DISTRIBUTION: Neotropical Region—Argentina: Buenos Aires.
- \* Fossil record: Cenozoic-Neogene: Pliocene.

#### †Termitichnus Bown, 1982

#### †Termitichnus Bown, 1982: 259-261.

Type species: Termitichnus qatranii Bown, 1982 by original designation.

- Genise and Bown, 1994: 160-161 Termitichnus; characters.
- Genise et al., 2000: 49-64 Termitichnus; ichnofossils; trace fossils; nests.
- Genise, 2004: 436, 441–442 Termitichnus; key; synonymy; nest characters.
- Duringer et al., 2007: 340 Termitichnus; diagnosis; ichnofossils; trace fossils. Chad (Upper Miocene-Lower Pliocene).
- TISTRIBUTION: Afrotropical Region; Palaearctic Region.

#### †Termitichnus namibiensis Miller and Mason, 2000

†Termitichnus namibiensis Miller and Mason, 2000: 208-213 (ichnofossil nest), figs. 12-18.

Type data: Holotype: SAM ichnofossil nest (no specimens collected as nest disintegrated; phototype).

Type locality: South Africa: Namaqualand, Langklip farm (mid-Pleistocene).

- TISTRIBUTION: Afrotropical Region—South Africa.
- \* Fossil record: Cenozoic-Quaternary: Pleistocene.

#### †Termitichnus gatranii Bown, 1982

†Termitichnus qatranii Bown, 1982: 261–275 (Domichnia, calie), figs. 2-7 [ichnofossil].

Type DATA: Holotype: CGM 41525 Domichnia, calie (nest).

Type locality: Egypt, Western desert, Fayum Depression, 6.5 km S 47°E of Widan el Faras, lower part of Jebel Qatrani Formation [29°36′N, 30°39′E].

- Genise and Bown, 1994: 161–164 *Termitichnus qatranii*; fossil nest described and figured; distribution. Egypt: Jebel Qatrani Formation (Upper Eocene–Oligocene).
- TISTRIBUTION: Palaearctic Region—Egypt.
- \* Fossil record: Cenozoic-Palaeogene: Eocene/Oligocene; Neogene: Miocene.

# †*Termitichnus schneideri* Duringer, Schuster, Genise, Mackaye, Vignaud, and Brunet, 2007

†Termitichnus schneideri Duringer et al., 2007: 340-341 (ichnofossil nest), figs. 6, 17, 18.

Type data: Holotype: CNAR ichnofossil nest. Paratype: CNAR ichnofossil nest.

Type locality: Chad: Erg of Djurab, 600 km NNE of N'jaména.

- TISTRIBUTION: Afrotropical Region—Chad.
- \* Fossil Record: Cenozoic-Neogene: Upper Miocene-Lower Pliocene.

# †Termitichnus simplicidens Genise and Bown, 1994

†*Termitichnus simplicidens* Genise and Bown, 1994: 164–165 (ichnofossil nest), figs, 5E–I, 8B, C [ichnofossil taxon].

Type data: Holotype: CGM ichnofossil nest.

Type Locality: Egypt: Fayum Depression, Jebel Qatrani formation.

- TISTRIBUTION: Palaearctic Region—Egypt.
- \* Fossil record: Cenozoic-Palaeogene: Eocene-Oligocene.

#### †Vondrichnus Genise and Bown, 1994

†Vondrichnus Genise and Bown, 1994: 165.

Type species: Vondrichnus obovatus Genise and Bown, 1994 by original designation.

- Genise, 2004: 436, 439 *Vondrichnus*; key; synonymy; nest characters.
- TISTRIBUTION: Palaearctic Region.

# †*Vondrichnus planoglobus* Duringer, Schuster, Genise, Mackaye, Vignaud, and Brunet, 2007

†*Vondrichnus planoglobus* Duringer et al., 2007: 333–337 (ichnofossil nest belonging to Macrotermitinae), figs. 8–10, 11A, 12, 13A.

Type data: Holotype: CNAR ichnofossil nest.

Type locality: Chad: Erg of Djurab, 600 km NNE of N'jaména.

- TISTRIBUTION: Afrotropical Region—Chad.
- \* Fossil Record: Cenozoic-Neogene: Upper Miocene-Lower Pliocene.

#### †Vondrichnus obovatus Genise and Bown, 1994

†Vondrichnus obovatus Genise and Bown, 1994: 165, 167 (ichnofossil nest) figs. 5J, 6A, B, pl. III [ichnofossil taxon].

Type data: Holotype: CGM ichnofossil nest.

Type locality: Egypt (northeastern): Jebel Qatrani formation (Upper Eocene-Oligocene).

- TISTRIBUTION: Palaearctic Region—Egypt.
- \* Fossil record: Cenozoic-Palaeogene: Eocene-Oligocene.

#### **GENERA** incertae sedis

#### †Aiuruocatermes Martins-Neto and Pesenti, 2006

†Aiuruocatermes Martins[-]Neto and Pesenti, 2006: 65.

Type species: Aiuruocatermes piovezanae Martins-Neto and Pesenti, 2006 by original designation.

▲ 1 species.

S DISTRIBUTION: Neotropical Region.

# †Aiuruocatermes piovezanae Martins-Neto and Pesenti, 2006

†Aiuruocatermes piovezanae Martins[-]Neto and Pesenti, 2006: 65-67 (imago), figs. 1, 2.

Type data: Holotype: UGB UnG/IT-045 imago.

Type locality: Brazil: Minas Gerais, near Aiuruoca Municipality (Aiuruoca Basin).

- (\$) DISTRIBUTION: Neotropical Region—Brazil: Minas Gerais.
- \* Fossil Record: Cenozoic-Palaeogene: Oligocene.

# †Aragonitermes Engel and Delclòs, 2010

†Aragonitermes Engel and Delclòs, 2010: 120-121.

Type species: Aragonitermes teruelensis Engel and Delclòs, 2010 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

# †Aragonitermes teruelensis Engel and Delclòs, 2010

†Aragonitermes teruelensis Engel and Delclòs, 2010: 121–122 (imago forewing), fig. 6.

Type data: Holotype: CPT 4065 imago forewing.

Type locality: Eastern Spain: Teruel Province: San Just.

- TISTRIBUTION: Palaearctic Region—Spain.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Albian.

### †Ardatermes Kaddumi, 2005

†Ardatermes Kaddumi, 2005: 166 [placed in ?Kalotermitidae].

Type species: Ardatermes hudaludi Kaddumi, 2005 by monotypy.

— Engel et al., 2011b: 47 • Ardatermes [incorrect designation as unavailable name].

▲ 1 species.

TISTRIBUTION: Palaearctic Region.

# †Ardatermes hudaludi Kaddumi, 2005 [nomen nudum].

†Ardatermes hudaludi Kaddumi, 2005: 166-168.

TYPE DATA: Holotype: ERMNH 221–1 imago [by monotypy].

Type locality: Jordan: Zarqua River Basin.

Tistribution: Palaearctic Region—Jordan.

\* Fossil Record: Mesozoic-Cretaceous: Early.

# †Baissatermes Engel, Grimaldi, and Krishna, 2007

†Baissatermes Engel et al., 2007a: 5-6.

Type species: Baissatermes lapideus Engel, Grimaldi, and Krishna, 2007 by original designation.

▲ 1 species.

TISTRIBUTION: Palaearctic Region.

### †Baissatermes lapideus Engel, Grimaldi, and Krishna, 2007

†Baissatermes lapideus Engel et al., 2007a: 6-8 (imago), figs. 1, 2b, c.

Type data: Holotype: PIM 3064/8583 imago.

TYPE LOCALITY: Russia: Baissa, Transbaikalia (Zara Formation).

- Engel et al., 2009: 22, 24, 26, figs. 2, 3 Baissatermes lapideus; character-state coding; phylogeny; geological time.
- TISTRIBUTION: Palaearctic Region—Russia.
- \* Fossil record: Mesozoic-Cretaceous: Early: Berriasian.

# †Cantabritermes Engel and Delclòs, 2010

†Cantabritermes Engel and Delclòs, 2010: 118-119.

Type species: Cantabritermes simplex Engel and Delclòs, 2010 by original designation.

▲ 1 species.

TISTRIBUTION: Palaearctic Region.

# †Cantabritermes simplex Engel and Delclòs, 2010

†Cantabritermes simplex Engel and Delclòs, 2010: 120 (imago forewing), fig. 5.

Type DATA: Holotype: MCNA 12803 imago forewing.

Type locality: Northern Spain: Burgos: Peñacerrada, near Moraza.

- TISTRIBUTION: Palaearctic Region—Spain.
- \* Fossil record: Mesozoic-Cretaceous: Early: Albian.

# †Cretarhinotermes Bechly, 2007

†Cretarhinotermes Bechly, 2007: 261–262.

Type species: Cretarhinotermes novaolindense Bechly, 2007 by original designation.

 — Grimaldi et al., 2008: 21, fig. 21 • Cretorhinotermes [sic]; diagnosis; comments; not Rhinotermitidae.

- ▲ 1 species.
- S DISTRIBUTION: Neotropical Region.

# †Cretarhinotermes novaolindense Bechly, 2007

†Cretarhinotermes novaolindense Bechly, 2007: 262 (imago), fig. 11.25j.

Type data: Holotype: SMNS 66196 imago.

TYPE LOCALITY: Brazil: Southern Ceará: Chapada do Araripe, vicinity of Nova Olinda.

- Grimaldi et al., 2008: 21, fig. 17 Cretorhinotermes [sic] novaolindense; wing figured.
- (\*) DISTRIBUTION: Neotropical Region—Brazil: Ceará.
- \* Fossil record: Mesozoic-Cretaceous: Early: Aptian.

# †Dharmatermes Engel, Grimaldi, and Krishna, 2007

†Dharmatermes Engel et al., 2007a: 16-19.

Type species: Dharmatermes avernalis Engel, Grimaldi, and Krishna, 2007 by original designation.

- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

#### †Dharmatermes avernalis Engel, Grimaldi, and Krishna, 2007

†Dharmatermes avernalis Engel et al., 2007a: 19–20 (imago), figs. 7–8.

Type DATA: Holotype: AMNH Bu-313 imago in amber.

TYPE LOCALITY: Myanmar: Kachin: Tanai Village, on Ledo Road 105 km NW Myitkyna.

— Grimaldi et al., 2002: 33, 35, fig. 22f • *Kalotermes ?swinhoei* [misidentification]; paleontology; distribution; figured.

- Engel et al., 2009: 23, 24, 26, figs. 2, 3 Dharmatermes avernalis; character-state coding; phylogeny; geological time.
- © DISTRIBUTION: Myanmar (Burma).
- \* Fossil Record: Mesozoic-Cretaceous: Early: Albian.

### †Francotermes Weidner and Riou, 1986

†*Francotermes* Weidner and Riou, 1986: 346 [Nel, 1993: 151 considers *Francotermes* synonymous with *Ulmeriella*. We are treating *Francotermes* as a valid genus until more studies can be done]; placed in Hodotermitinae; of Hodotermitidae.

Type species: Francotermes bauzilensis Weidner and Riou, 1986 by original designation.

- Nel and Paicheler, 1993: 148–151 *Francotermes*; synonymized with *Ulmeriella*, with the type species *bauziliensis* retained in *Francotermes* [as if a valid genus].
- Thorne et al., 2000: 80 Francotermes; number of fossil species; age; distribution.
- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

#### †Francotermes bauzilensis Weidner and Riou, 1986

†Francotermes bauzilensis Weidner and Riou, 1986: 347–353 (imago), figs. 2–8.

Type data: Holotype: RIOU No. 14 imago forewing. Paratypes: RIOU No. 6 imago wings [other 2 specimens cited, Nos. 5 and 16 excluded from type series].

TYPE LOCALITY: France: Ardèche, ca. 10 km SE Privas, Montagne d'Andance, St. Bauzile.

- Balazuc, 1989: 242 Francotermes bauzilensis; listed; distribution. France, mid-Pliocene: St. Bauzile.
- Nel and Paicheler, 1993: 148–149, 151 *Francotermes bauziliensis* [sic]; as *Ulmeriella* sp. incertae sedis; imago described; type data; paleontology; distribution.
- Tistribution: Palaearctic Region—France.
- \* Fossil Record: Cenozoic-Neogene: Miocene.

# †Gyatermes Engel and Gross, 2009

†Gyatermes Engel and Gross, 2009: 291.

Type species: Gyatermes styriensis Engel and Gross, 2009 by original designation.

- Engel et al., 2009: 11 Gyatermes; possible placement in Archotermopsidae.
- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

#### †Gyatermes styriensis Engel and Gross, 2009

†Gyatermes styriensis Engel and Gross, 2009: 291–293 (imago forewing), fig. 3.

Type data: Holotype: MJG LMJ 204.148 imago forewing.

Type locality: Austria: Styrian Basin: Paldau Formation: Paldau.

- TISTRIBUTION: Palaearctic Region—Austria.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### †Jitermes Ren, 1995

† Jitermes Ren, 1995: 56-57, 181 [placed in Hodotermitinae; of Hodotermitidae].

Type species: Jitermes tsaii Ren, 1995 by original designation.

- Thorne et al., 2000: 80 Jitermes; number of fossil species; age; distribution.
- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

#### †Jitermes tsaii Ren, 1995

†Jitermes tsaii Ren, 1995: 57, 181 (imago), fig. 3.11, pl. 6: fig. 4.

Type data: Syntypes (whereabouts unknown): Nos. BL91042, 91043 imagoes.

Type locality: China: Beijing.

- Krishna and Grimaldi, 2000: 134 Jitermes tsaii; listed; systematic position unknown.
- Thorne et al., 2000: 82, fig. 3 [part] Jitermes tsaii; imago wing figured.
- Engel et al., 2007a: 28 Jitermes tsaii; listed.
- © DISTRIBUTION: Oriental Region—China: Beijing.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

# †Lebanotermes Engel, Azar, and Nel, 2011

†Lebanotermes Engel et al., 2011b: 45.

Type species: Lebanotermes veltzae Engel, Azar, and Nel, 2011 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

#### †Lebanotermes veltzae Engel, Azar, and Nel, 2011

†Lebanotermes veltzae Engel et al., 2011b: 45–47 (imago), figs. 5, 6.

Type DATA: Holotype: MNHP 341C imago in amber.

Type Locality: Lebanon: Mount Lebanon District: Caza Baabda: Mdeyrij-Hammana.

- TISTRIBUTION: Palaearctic Region—Lebanon.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Aptian.

#### †Mariconitermes Fontes and Vulcano, 1998

†*Mariconitermes* Fontes and Vulcano, 1998: 243, 269–270 [placed in Hodotermitinae; of Hodotermitidae].

Type species: Mariconitermes talicei Fontes and Vulcano, 1998 by original designation.

- Fontes and Vulcano, 2004: 348 Mariconitermes; fossil catalog. New World.
- Bechly, 2007: 259 Mariconitermes; comments; placed in family Termopsidae and subfamily incertae sedis.
- Grimaldi et al., 2008: 3-5 Mariconitermes; diagnosis; redescribed; comments.

#### ▲ 1 species.

§ DISTRIBUTION: Neotropical Region.

#### †Mariconitermes talicei Fontes and Vulcano, 1998

†Maricontermes talicei Fontes and Vulcano, 1998: 270-276 (imago), figs. 31-34, 39-42.

TYPE DATA: Holotype: MAVC No. 5006 dealate imago (Lower Cretaceous). Paratype: MAVC dealate imago.

Type locality: Brazil: Ceará State: Chapada do Araripe: Santana Formation.

- Fontes and Vulcano, 2004: 348, fig. 3 Mariconitermes talicei; fossil catalog; imago figured. New World.
- Engel et al., 2007a: 28 Mariconitermes talicei; listed.
- Bechly, 2007: 259 Mariconitermes talicei; revised diagnosis; comments; placed in family Termopsidae and subfamily incertae sedis.
- Grimaldi et al., 2008: 5, figs. 1-4, table 1 *Mariconitermes talicei*; imago redescribed and figured.
- Engel et al., 2009: 22, 24, 26, figs. 1, 3 *Mariconitermes talicei*; character-state coding; phylogeny; geological time.
- TISTRIBUTION: Neotropical Region—Brazil.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Aptian.

#### †Meiatermes Lacasa-Ruiz and Martínez-Delclòs, 1986

†*Meiatermes* Lacasa-Ruiz and Martínez-Delclòs, 1986: 56 (imago), pls. 1–9 [placed in Hodotermitidae].

Type species: *Meiatermes bertrani* Lacasa-Ruiz and Martínez-Delclòs, 1986 by original designation.

- Krishna, 1990: 76, 80 discussion; placed in Hodotermitinae; of Hodotermitidae.
- Thorne et al., 2000: 80 Meiatermes; number of fossil species; age; distribution.
- Fontes and Vulcano, 1998: 248 Meiatermes; discussion; placed in Cretatermitinae; of Hodotermitidae.
- Grimaldi et al., 2008: 10, 11 Meiatermes; revised diagnosis; comments.

#### ▲ 3 species.

Tistribution: Neotropical Region; Palaearctic Region.

# †Meiatermes araripena Krishna, 1990

†Meiatermes araripena Krishna, 1990: 76–79 (imago), figs. 1–3.

Type data: Holotype: MZUSP No. 43902 imago. Paratypes: AMNH Nos. 43901, 43903 imagoes. Type locality: Brazil: Araripe Plateau: Santana limestone formation.

- Nel and Paicheler, 1993: 151-152 Meiatermes araripena; type data; paleontology; distribution.
- Martínez-Delclòs and Martinell, 1995: 595 Meiatermes araripena; listed.
- Fontes and Vulcano, 1998: 247–265, 277, figs. 1–8, 10–28 *Cretatermes araripena*; imago described and figured; new combination. Brazil.
- Martins-Neto, 1999: 76 Meiatermes araripena; listed.
- Krishna and Grimaldi, 2000: 133 Meiatermes araripena; listed.
- Thorne et al., 2000: 81, 85, fig. 2 [part] Meiatermes araripena; discussion, imago wing figured.
- Fontes and Vulcano, 2004: 347, figs. 1, 2 Cretatermes araripena; fossil catalog; imago figured. New World.
- Martins-Neto et al., 2006: 125, 130 Nordestinatermes araripena; discussion; new combination.
- Engel et al., 2007a: 28 Meiatermes araripena; listed.
- Bechly, 2007: 256, 258, fig. 11.26c Nordestinatermes araripena; imago redescribed; discussion on placement; imago wing figured.
- Grimaldi et al., 2008: 12–18, figs. 8–11, 19, 20, table 1 *Meiatermes araripena*; imago redescribed and figured; Malpighian tubules preserved; comments.
- Engel et al., 2009: 22, 24, 26, figs. 1, 3 *Meiatermes araripena*; character-state coding; phylogeny; geological time.

†Cretatermes pereirai Fontes and Vulcano, 1998: 265-269 (imago), figs. 29-30, 35-38.

Type data: Holotype: MAVC imago. Paratype: MAVC No. 2452 imago.

Type locality: Brazil: Ceará State: Chapada do Araripe: Santana Formation.

- Fontes and Vulcano, 2004: 347 Cretatermes pereirai; fossil catalog. New World.
- Engel et al., 2007a: 28 28 Cretatermes pereirai; listed.
- Bechly, 2007: 258, 259 Nordestinatermes pereirai; diagnosis; doubtful species.
- Grimaldi et al., 2008: 16 Meiatermes pereirai; synonymized with araripena.
- S DISTRIBUTION: Neotropical Region—Brazil.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Aptian.

#### †Meiatermes bertrani Lacasa-Ruiz and Martínez-Delclòs, 1986

†Meiatermes bertrani Lacasa-Ruiz and Martínez-Delclòs, 1986: 12-59 (imago), pls. 1-9.

TYPE DATA: Holotype: IEIL No. LP 1701 IEI (A-B) imago. Paratypes: IEIL No. LC 807 IEI (A-B) imago, IEIL No. LC 1017 IEI (A-B) imago, IEIL No. LP 1033 IEI imago, IEIL No. LC 1125 IEI imago, IEIL No. LC 1159 IEI imago, IEIL No. LC 1283 AP (A-B) imago, No. LP 1733 AP (A-B) imago.

TYPE LOCALITY: Spain: Provincia de Lleida: Sierra del Montsec: La Pedrera de Meià (= La Pedrera de Rúbies).

- Schlüter, 1989: 62 Meiatermes bertrani; discussion.
- Krishna, 1990: 76, 80 Meiatermes bertrani; discussion.
- Nel and Paicheler, 1993: 151 Meiatermes bertrani; type data; paleontology; distribution.
- Martínez-Delclòs and Martinell, 1995: 594–597, figs. 2, 4 *Meiatermes bertrani*; paratype imago figured.
- Peñalver et al., 1999: 236 Meiatermes bertrani; listed; paleontology. Spain.
- Krishna and Grimaldi, 2000: 133 Meiatermes bertrani; listed.

- Thorne et al., 2000: 81, 85, 89, fig. 2 [part] *Meiatermes bertrani*; discussion; imago wing figured.
- Engel et al., 2007a: 28 Meiatermes bertrani; listed.
- Engel et al., 2009: 22, 24, 26, figs. 1, 3 *Meiatermes bertrani*; character-state coding; phylogeny; geological time.
- TISTRIBUTION: Palaearctic Region—Spain.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Berriasian; Valanginian.

#### †Meiatermes hariolus Grimaldi, 2008

†Meiatermes hariolus Grimaldi et al., 2008: 18 (imago), figs. 12, 13, table 1.

Type data: Holotype: AMNH Sa-122 imago. Paratype: SMNS 66190 imago.

Type locality: Brazil: Araripe: Crato Formation.

- TISTRIBUTION: Neotropical Region—Brazil.
- \* Fossil record: Mesozoic-Cretaceous: Early: Aptian.

# †Melquartitermes Engel, Grimaldi, and Krishna, 2007

†Melquartitermes Engel et al., 2007a: 10-13.

Type species: *Melquartitermes myrrheus* Engel, Grimaldi, and Krishna, 2007 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

#### †Melquartitermes myrrheus Engel, Grimaldi, and Krishna, 2007

†Melquartitermes myrrheus Engel et al., 2007a: 13 (imago), figs. 3, 4.

Түре дата: Holotype: AMNH L-Iso1 imago in amber.

Type locality: Lebanon: specific locality unknown.

- Engel et al., 2009: 22, 24, 26, figs. 1, 3 *Melquartitermes myrrheus*; character-state coding; phylogeny; geological time.
- TISTRIBUTION: Palaearctic Region—Lebanon.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

# †Morazatermes Engel and Delclòs, 2010

†Morazatermes Engel and Delclòs, 2010: 114-116.

Type species: Morazatermes krishnai Engel and Delclòs, 2010 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

# †Morazatermes krishnai Engel and Delclòs, 2010

†Morzatermes krishnai Engel and Delclòs, 2010: 116–118 (imago), figs. 1–4.

TYPE DATA: Holotype: MCNA 12621 imago. Paratypes: MCNA 10034 imago fore- and hind wing. Type locality: Northern Spain: Burgos: Peñacerrada, near Moraza.

- TISTRIBUTION: Palaearctic Region—Spain.
- \* Fossil record: Mesozoic-Cretaceous: Early: Albian.

# †Mylacrotermes Engel, Grimaldi, and Krishna, 2007

†Mylacrotermes Engel et al., 2007a: 14.

Type species: *Mylacrotermes cordatus* Engel, Grimaldi, and Krishna, 2007 by original designation.

- ▲ 1 species.
- **⚠** DISTRIBUTION: Oriental Region.

# †Mylacrotermes cordatus Engel, Grimaldi, and Krishna, 2007

†Mylacrotermes cordatus Engel et al., 2007a: 14-16 (imago), figs. 5-6.

Type DATA: Holotype: SEMK KU-Bu-045 imago in amber.

Type Locality: Myanmar: Kachin: Tanai Village, on Ledo Road, 105 km NW Myitkyna.

- Engel et al., 2009: 23, 24, 26, figs. 1, 3 *Mylacrotermes cordatus*; character-state coding; phylogeny; geological time.
- © DISTRIBUTION: Oriental Region—Myanmar (Burma).
- \* Fossil record: Mesozoic-Cretaceous: Early: Albian.

# †Paleotermopsis Nel and Paicheler, 1993

†Paleotermopsis Nel and Paicheler, 1993: 136 [placed in Termopsinae incertae sedis].

Type species: Paleotermopsis oligocenicus Nel and Paichler, 1993 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

# †Paleotermopsis oligocenicus Nel and Paicheler, 1993

†Paleotermopsis olicocenicus Nel and Paicheler, 1993: 136-137 (imago), figs. 44-47.

Type data: Holotype: MNHP IPM-R.54190 imago.

Type locality: France: Bouches-du-Rhône: Aix-en-Provence.

- Tistribution: Palaearctic Region—France.
- \* Fossil record: Cenozoic-Palaeogene: Oligocene.

# †Santonitermes Engel, Nel, and Perrichot, 2011

†Santonitermes Engel et al., 2011b: 40-41.

Type species: Santonitermes chloeae Engel, Nel, and Perrichot, 2011 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

# †Santonitermes chloeae Engel, Nel, and Perrichot, 2011

†Santonitermes chloeae Engel et al., 2011b: 41–43 (imago), figs. 1, 2.

Type DATA: Holotype: GUNR IGR.ARC-328.4 imago in amber.

Type Locality: France: Charente-Maritime: Font-de-Benon Quarry, 1km east of Archingeay.

- Tistribution: Palaearctic Region—France.
- \* Fossil Record: Mesozoic-Cretaceous: Early Albian to Late Cenomanian.

# †Syagriotermes Engel, Nel, and Perrichot, 2011

†Syagriotermes Engel et al., 2011b: 44-45.

Type species: Syagriotermes salomeae Engel, Nel, and Perrichot, 2011 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

# †Syagriotermes salomeae Engel, Nel, and Perrichot, 2011

†Syagriotermes salomeae Engel et al., 2011b: 45 (imago), fig. 4.

Type data: Holotype: GUNR IGR.ARC-284.1 imago in amber.

Type Locality: France: Charente-Maritime: Font-de-Benon Quarry, 1 km east of Archingeay.

- TISTRIBUTION: Palaearctic Region. France.
- \* Fossil record: Mesozoic-Cretaceous: Early: Albian.

# †Tanytermes Engel, Grimaldi, and Krishna, 2007

†Tanytermes Engel et al., 2007a: 20-23.

Type species: Tanytermes anawrahtai Engel, Grimaldi, and Krishna, 2007 by original designation.

- ▲ 1 species.
- **©** DISTRIBUTION: Oriental Region.

#### †Tanytermes anawrahtai Engel, Grimaldi, and Krishna, 2007

†Tanytermes anawrahtai Engel et al., 2007a: 23 (imago), figs. 9–10.

Type DATA: Holotype: AMNH Bu-1608 imago in amber.

Type Locality: Myanmar: Kachin: Tanai Village, on Ledo Road 105 km NW Myitkyna.

- Engel et al., 2009: 23, 24, 26, figs. 2, 3 *Tanytermes anawrahtai*; character-state coding; phylogeny; geological time.
- © DISTRIBUTION: Oriental Region—Myanmar (Burma).
- \* Fossil Record: Mesozoic-Cretaceous: Early: Albian.

# †Ulmeriella Meunier, 1920

†*Ulmeriella* Meunier, 1920: 728 [placed in Hodotermitinae; of Hodotermitidae since Emerson, 1942].

Type species: Ulmeriella bauckhorni Meunier, 1920 by monotypy.

- Cockerell and Snyder, 1925b: 86 Ulmeriella; Macrohodotermes a possible synonym; comparison with Macrohodotermes mossambicus transvaalensis; discussion.
- Statz, 1939: 14, 34–39, table 4 *Ulmeriella*; characters; cited as "nov. gen." but credited to Meunier; species included; distribution. Germany
- Emerson, 1942: 10 Ulmeriella; listed.
- Snyder, 1949a: 363 Ulmeriella; catalog.
- Emerson, 1955: 507 *Ulmeriella*; number of species; distribution.
- Weidner, 1955f: 52, 69 *Ulmeriella*; key; number of species; distribution.
- Emerson, 1968b: 6–10, 17 *Ulmeriella*; synonymy; discussion; species included.
- Araujo, 1977c: 69 Ulmeriella; catalog.
- Chhotani, 1985: 90 Ulmeriella; distribution and zoogeography. Germany; USA.
- Carpenter, 1992: 141 Ulmeriella; synonymy; characters; wing figured; species included; fossil distribution.
- Nel and Paicheler, 1993: 114 *Ulmeriella*; species included.
- Fontes and Monteiro, 1998: 40 Ulmeriella; etymology and pronunciation.
- Prokop and Nel, 1999: 142 Ulmeriella; listed.
- Thorne et al., 2000: 80 *Ulmeriella*; number of fossil species; age; distribution.
- Wedmann, 2000: 24–26, 129, 136 *Ulmeriella*; characters; species listed; distribution. Germany: Upper Oligocene deposits of Enspel, Westerwald.
- Fontes and Vulcano, 2004: 349 Ulmeriella; fossil catalog. New World.

†Diatermes Martynov, 1929: 178 [junior subjective synonym of *Ulmeriella* Meunier, 1920; removed by Emerson, 1965 from the family Mastotermitidae, where it was originally placed].

Type species: † *Diatermes sibiricus* Martynov, 1929 by monotypy.

- Statz, 1939: 32 Diatermes; listed; paleontology.
- Emerson, 1942: 10 Diatermes; listed as valid under Mastotermitidae.
- Snyder, 1949a: 354 Diatermes; catalog; listed as valid under Mastotermitidae.
- Emerson, 1955: 507 *Diatermes*; number of species; distribution; listed as valid; included in Mastotermitidae.
- Weidner, 1955f: 69 Diatermes; number of species; distribution; included in Mastotermitidae.
- Emerson, 1965: 14 Diatermes; synonymy.

- Emerson, 1968b: 6 Diatermes; synonymized with Ulmeriella.
- Nel and Paicheler, 1993: 114 Diatermes; incorrect citation as new synonym of Ulmeriella.

#### ▲ 11 species.

(\$) (\$) DISTRIBUTION: Nearctic Region; Palaearctic Region.

# †Ulmeriella aquisextana Nel, 1986

†Ulmeriella aquisextana Nel, 1986: 271–272 (wing), figs. 1-2, 6.

Type data: Holotype: MNHP No. IPM-R.07443 imago wing. Type locality: France: Bouches-du-Rhône: Aix-en-Provence.

- Nel and Paicheler, 1993: 138–140, figs. 48–51 *Ulmeriella aquisextana*; as *Ulmeriella* sp. incertae sedis; imago described and figured; type data, paleontology, distribution.
- Thorne et al., 2000: 82, fig. 3 [part] Ulmeriella aquisextana; imago wing figured.
- TISTRIBUTION: Palaearctic Region—France.
- \* Fossil Record: Cenozoic-Palaeogene: Oligocene.

#### †Ulmeriella bauckhorni Meunier, 1920

†*Ulmeriella bauckhorni* Meunier, 1920: 728 (imago), fig. 1, pl. 1: fig. 1 [described as a Trichoptera].

Type data: Holotype (whereabouts unknown): imago wing.

Type locality: Germany: Rott-am-Siebengebirge.

- Meunier, 1920: 893 Ulmeriella bauckhorni; discussion.
- Cockerell and Snyder, 1925: 22, pl. 1: figs. 1–2 *Ulmeriella bauckhorni*; imago discussed and figured. Germany.
- Snyder, 1925d: 149–166, chart 1 *Ulmeriella bauckhorni*; listed.
- Martynov, 1929: 175-178 Ulmeriella bauckhorni; discussion.
- Emerson, 1933b: 190-191 Hodotermes bauckhorni; remarks; systematic position doubtful.
- Zeuner, 1938: 116 Ulmeriella bauckhorni; discussion.
- Statz, 1939: 3-6, 15, 34-35, 39, table 4, pl. 6: figs. 26-29 *Ulmeriella bauckhorni*; imago described and figured.
- Statz, 1941: figs. 1, 2, cover page Ulmeriella bauckhorni; rottensis imago figured.
- Armbruster, 1941: 39 Ulmeriella bauckhorni; Ulmeriella rottensis; discussion.
- Snyder, 1949a: 363 Ulmeriella bauckhorni; catalog; reference list; synonymy. Germany: Oligocene.
- Weidner, 1967: 72–74, figs. 9–12 *Ulmeriella bauckhorni*; discussion [measurements of *willershausensis* in table 1 are actually of *bauckhorni* fide Weidner, handwritten emendation to publication].
- Emerson, 1968b: 10–16, fig. 2 *Ulmeriella bauckhorni*; imago described and figured; synonymy; paleontology; locality. Germany: Oligocene.
- Weidner, 1968b: 18–19 *Ulmeriella bauckhorni*; measurements; discussion.
- Sphon, 1973: 20 *Ulmeriella bauckhorni*; collection catalog; Statz specimens listed.
- Burnham, 1978: 89 Ulmeriella bauckorni; listed.
- Fujiyama, 1983: 87-88 Ulmeriella bauckhorni; discussion.
- Weidner and Riou, 1986: 346 Ulmeriella bauckhorni; fore- and hind wing measurements.
- Lewis and Heikes, 1989: 5, 12 *Ulmeriella bauckhorni*; bibliographic data.
- Nel and Paicheler, 1993: 138 Ulmeriella bauckhorni; type data; paleontology; distribution.
- Prokop and Nel, 1999: 141–144, figs. 2–3 *Ulmeriella* cf. *bauckhorni*; hind wing described and figured; discussion. Europe: Czech Republic: Lower Miocene.

†Calotermes rottensis Statz, 1930: 12-13 (imago), fig. 2.

Type data: Lectotype: LACM no. 3105 male imago labeled "*Ulmeriella rottensis* Statz Original (I-9)" [also see Sphon, 1973]. Paralectotypes: LACM imagoes [also see Sphon, 1973].

LECTOTYPE DESIGNATION: Emerson, 1968b: 16.

Type locality: Germany: Rott-am-Siebengebirge: Middle Oligocene.

- Statz, 1939: 5, 16, 34, 35, table 4, pl. 7: figs. 30–32, pl. 8: fig. 33 *Ulmeriella rottensis*; imago described and figured; new combination
- Statz, 1941: fig. 3 *Ulmeriella rottensis*; imago figured.
- Snyder, 1949a: 363 Ulmeriella rottensis; listed as valid. Germany: Oligocene.
- Weidner, 1955f: fig. 30 *Ulmeriella rottensis*; wing figured [incorrectly labeled as *Eotermes grandaeva*].
- Weidner, 1967: table 1 *Ulmeriella rottensis*; discussion [measurements of *martynovi* in table are actually of *rottensis* fide Weidner, handwritten emendation to publication].
- Weidner, 1968b: 18-19 *Ulmeriella rottensis*; measurements; discussion.
- Emerson, 1968b: 10 Calotermes rottensis; synonymized with bauckhorni.
- Sphon, 1973: 20 Calotermes rottensis; collection catalog; types listed.
- Weidner and Riou, 1986: 346 *Ulmeriella rottensis*; fore- and hind wing measurements.

†Calotermes sophiae Statz, 1930: 13-14 (imago), fig. 3.

Type data: Syntypes: LACM imago [Statz's entire collection was acquired by the Los Angeles County Museum, so it is presumed that the figured specimen described by Statz is there; more specimens may also be in the type series, but Statz was imprecise about this; see also under *rottensis*].

Type locality: Germany: Rott-am-Siebengebirge: Middle Oligocene.

- Statz, 1939: 5 Calotermes sophiae; synonymized with bauckhorni.
- TISTRIBUTION: Palaearctic Region—Czech Republic; Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene; Palaeogene: Oligocene.

#### †Ulmeriella cockerelli Martynov, 1929

†Ulmeriella cockerelli Martynov, 1929: 175–178 (imago), figs. 1, 2.

Type data: Holotype: PIM imago forewing [Most of Martynov's types are at the Paleontological Institute, Moscow, so it presumed the type of this species is there].

Type locality: Russia: Siberia: Saisan District: Mt. Ashutas.

- Zeuner, 1938: 116 Ulmeriella cockerelli; discussion.
- Statz, 1939: 5, 34, 37–38, table 4, pl. 1: fig. 5 *Ulmeriella cockerelli*; measurements; discussion; paleontology.
- Snyder, 1949a: 363 *Ulmeriella cockerelli*; catalog; reference list. Russia: Oligocene.
- Weidner, 1967: 73–74, fig. 15 *Ulmeriella cockerelli*; discussion [measurements of *bauckhorni* in table 1 are actually of *cockerelli* fide Weidner, handwritten emendation to publication].
- Emerson, 1968b: 16–17 *Ulmeriella cockerelli*; imago described; synonymy; paleontology. Russia: Siberia: Oligocene.
- Weidner, 1968b: 19 Ulmeriella Cockerelli; measurements; discussion.
- Burnham, 1978: 89 Ulmeriella cockerelli; listed.
- Fujiyama, 1983: 87 Ulmeriella cockerelli; discussion.
- Weidner and Riou, 1986: 346 Ulmeriella cockerelli; forewing measurements.
- Lewis and Heikes, 1989: 12 *Ulmeriella cockerelli*; bibliographic data.

- Martynova, 1991: 141, figs. 260, 264 Diatermes sibiricus; imago figured; Ulmeriella cockerelli; imago figured.
- Nel and Paicheler, 1993: 114–115, 148 *Ulmeriella cockerelli*; as Hodotermitidae or Termopsidae incertae sedis; type data; paleontology; distribution.

†Diatermes sibiricus Martynov, 1929: 179–180 (imago), fig. 3, pl. 1: fig. 1 [originally placed in Mastotermitidae by Martynov, 1929. Emerson, 1965: 14 removed it from the Mastotermitidae, but was not sure to which family it belonged. Emerson, 1968b: 17 later placed it in the Hodotermitinae as a synonym of *Ulmeriella cockerelli*].

Type data: Holotype: PIM imago wing [Most of Martynov's types are at the Paleontological Institute, Moscow, so it presumed the type of this species is there].

Type locality: Russia: Siberia: Saisan District: Mt. Ashutas.

- Statz, 1939: table 4 *Diatermes sibiricus*; paleontology.
- Armbruster, 1941: 18, 42-43 Diatermes sibiricus; discussion.
- Emerson, 1965: 14–15 Diatermes sibiricus; characters; systematic position doubtful; synonymy; paleontology.
- Emerson, 1968b: 16 Diatermes sibiricus; synonymized with cockerelli.
- Nel and Paicheler, 1993: 114–115, 148 *Ulmeriella* sibiricus; as *Ulmeriella* incertae sedis; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Russia.
- \* Fossil record: Cenozoic-Palaeogene: Oligocene.

#### †Ulmeriella latahensis Snyder, 1949

†Ulmeriella latahensis Snyder, 1949b: 164-165 (imago), fig. 1.

Type data: Holotype: USNM No. 59181 imago wing.

Type Locality: USA: Washington State: Spokane, Portland and Seattle Railroad, Cut No. 1.

- Snyder, 1950b: 191 Ulmeriella latahensis; listed.
- Weidner, 1967: 73–74 *Ulmeriella latahensis*; discussion [measurements of *cockerelli* in table 1 are actually of *latahensis* fide Weidner, handwritten emendation to publication].
- Emerson, 1968b: 18–19 *Ulmeriella latahensis*; imago wings described; synonymy; locality. USA: Washington State: Miocene.
- Weidner, 1968b: 19 Ulmeriella latahensis; measurements; discussion.
- Araujo, 1977c: 69 Ulmeriella latahensis; ctalogue. USA: Washington State: Miocene.
- Burnham, 1978: 90 Ulmeriella latahensis; listed.
- Fujiyama, 1983: 87 Ulmeriella latahensis; discussion.
- Weidner and Riou, 1986: 346 *Ulmeriella latahensis*; forewing measurements.
- Lewis and Heikes, 1989: 13 *Ulmeriella latahensis*; bibliographic data.
- Lewis et al., 1990c: 4 Ulmeriella latahensis; listed.
- Nel and Paicheler, 1993: 143, 145 *Ulmeriella latahensis*; as *Ulmeriella* sp. incertae sedis; type data; paleontology; distribution.
- Fontes and Vulcano, 1998: 278 Ulmeriella latahensis; fossil catalog. New World.
- Fontes and Vulcano, 2004: 349 Ulmeriella latahensis; fossil catalog. New World.
- © DISTRIBUTION: Nearctic Region—USA: Washington State.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### †Ulmeriella martynovi Zeuner, 1938

†*Ulmeriella martynovi* Zeuner, 1938: 113–116 (imago), figs. 1–6 [Zeuner placed this species in the family Mastotermitidae; Snyder, 1949a: 363 placed it in the Hodotermitinae; Emerson, 1965, 1968b and subsequent authors follow Snyder].

Type data: Holotype: MNM No. 40 imago. Paratype: MNM No. 41 imago.

Type locality: Germany: near Mainz.

- Snyder, 1949a: 363 *Ulmeriella martynovi*; catalog; reference list. Germany: Miocene.
- Weidner, 1967: 73–74, figs. 13–14 *Ulmeriella martynovi*; discussion [measurements of *latahensis* in table 1 are actually of *martynovi* fide Weidner, handwritten emendation to publication].
- Emerson, 1968b: 17–18 Ulmeriella martynovi; imago described; synonymy; locality. Germany: Miocene.
- Weidner, 1968b: 18-19 *Ulmeriella martynovi*; measurements; discussion.
- Burnham, 1978: 90 Ulmeriella martynovi; listed.
- Weidner and Riou, 1986: 344–346, fig. 1 *Ulmeriella martynovi*; imago described and figured; synonymy. France: Miocene.
- Balazuc, 1989: 242 Ulmeriella martynovi; listed; distribution. France: Saint Bauzile: mid-Pliocene.
- Lewis and Heikes, 1989: 12 *Ulmeriella martynovi*; bibliographic data.
- Nel and Paicheler, 1993: 145 *Ulmeriella martynovi*; as *Ulmeriella* sp. incertae sedis; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—France; Germany.
- \* Fossil record: Cenozoic-Neogene: Miocene.

# †Ulmeriella pliocenica Nel, 1987

†Ulmeriella pliocenica Nel, 1987: 17-19 (imago), figs. 1, 3.

TYPE DATA: Holotype: MNHP No. IPM-R.54194 imago. Type locality: France: Ardèche: Privas, Mont-Charay.

- Balazuc, 1989: 240, fig. 1 *Ulmeriella pliocenica*; imago, wings figured; distribution. France: Saint Bauzile: mid-Pliocene.
- Nel and Paicheler, 1993: 146 *Ulmeriella pliocenica*; as *Ulmeriella* sp. incertae sedis; type data; paleontology; distribution.
- Tistribution: Palaearctic Region—France.
- \* Fossil Record: Cenozoic-Neogene: Miocene, Pliocene.

#### †Ulmeriella rubiensis Lewis, 1973

†Ulmeriella rubiensis Lewis, 1973: 1359-1360 (hind wing), figs. 1-2.

Type data: Holotype: SCSC No. B-72 imago wing [specimen to be deposited at AMNH indicated].

Type Locality: USA: Montana: Madison County: Ruby River Basin, ca. 13 mi from Alder, Sec, 23, between Peterson and Mormon Creeks.

- Fontes, 1983: 143 Ulmeriella rubiensis; additions and corrections to Araujo's catalog, 1977c.
- Fujiyama, 1983: 87 *Ulmeriella rubinesis* [sic]; discussion.

- Nel and Paicheler, 1993: 145 *Ulmeriella rubiensis*; as *Ulmeriella* sp. incertae sedis; type data; paleontology; distribution.
- Fontes and Vulcano, 1998: 278 Ulmeriella rubiensis; fossil catalog. New World.
- Fontes and Vulcano, 2004: 349 Ulmeriella rubiensis; fossil catalog. New World.
- § DISTRIBUTION: Nearctic Region—USA: Montana.
- \* Fossil Record: Cenozoic-Palaeogene: Oligocene.

### †Ulmeriella shizukuishiensis Fujiyama, 1983

†Ulmeriella shizukuishiensis Fujiyama, 1983: 87-88 (imago), fig. 4, pl. 1: fig. 3.

Type data: Holotype: NSMT No. PA12212 imago hind wing.

Type locality: Japan: Iwate Prefecture: Shizukuishi.

- Nel and Paicheler, 1993: 146 *Ulmeriella shizukuishiensis*; as *Ulmeriella* sp. incertae sedis; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Japan.
- \* Fossil Record: Cenozoic-Neogene: Miocene.

#### †Ulmeriella straussi Weidner, 1971

†Ulmeriella straussi Weidner, 1971: 41-42 (imago wing), figs. 1-2.

Type data: Holotype: GIUG imago ?forewing. Type locality: Germany: Willershausen.

- Weidner and Riou, 1986: 346 *Ulmeriella straussi*; forewing measurements.
- Lewis and Heikes, 1989: 11 Ulmeriella strausi [sic]; bibliographic data.
- Nel and Paicheler, 1993: 146 *Ulmeriella straussi*; as *Ulmeriella* sp. incertae sedis; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Pliocene.

#### †Ulmeriella uemurai Fujiyama, 1983

†Ulmeriella uemurai Fujiyama, 1983: 86–87 (imago wing), figs. 2, 3, pl. 1: figs. 1, 2.

Type data: Holotype: NSMT No. PA12210 imago forewing. Paratypes: NSMT No. PA12211 imago hind wing.

Type Locality: Japan: Miyata, Akita Prefecture.

- Nel and Paicheler, 1993: 145 Ulmeriella uemurai; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Japan.
- \* Fossil record: Cenozoic-Neogene: Miocene.

#### †Ulmeriella willershausensis Weidner, 1967

†*Ulmeriella willershausensis* Weidner, 1967: 68–75 (imago), figs. 1–4 [measurements of *rottensis* in table 1 are actually of *willershausensis* fide Weidner, handwritten emendation to publication].

Type data: Holotype: GIUG No. 579–1 imago forewing. Paratypes: GIUG No. 579-2, 579-3, 579-4 imago fore- and hind wings.

Type locality: Germany: Willershausen: east of Einbeck.

- Emerson, 1968b: 19-20 Ulmeriella willershausensis; wings described; locality. Germany: Pliocene.
- Weidner, 1968b: 13, 18-20 Ulmeriella willershausensis; measurements; discussion.
- Weidner, 1968a: 11 Ulmeriella willershausensis; discussed.
- Weidner, 1971: 41-42 Ulmeriella willershausensis; discussion.
- Weidner, 1979: 91-92 Ulmeriella willershausensis; wing described. Pliocene.
- Weidner and Riou, 1986: 346 Ulmeriella willershausensis; forewing and hind wing measurements.
- Nel and Paicheler, 1993: 146 *Ulmeriella willershausensis*; as *Ulmeriella* sp. incertae sedis; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil record: Cenozoic-Neogene: Pliocene.

# †Yanjingtermes Ren, 1995

†*Yanjingtermes* Ren, 1995: 57–58, 181 [placed in Hodotermitinae; of Hodotermitidae].

Type species: Yanjingtermes giganteus Ren, 1995 by original designation.

- Thorne et al., 2000: 80 Yanjingtermes; number of fossil species; age; distribution.
- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

#### †Yanjingtermes giganteus Ren, 1995

†Yanjingtermes giganteus Ren, 1995: 58, 181 (imago), fig. 3.12, pl. 6: fig. 2.

Type data: Holotype (whereabouts unknown): imago No. BL92046.

Type locality: China: Beijing.

- Krishna and Grimaldi, 2000: 134 Yanjingtermes giganteus; listed; systematic position unknown.
- Thorne et al., 2000: 82, fig. 3 [part] Yanjingtermes sp.; imago wing figured.
- Engel et al., 2007a: 28 Yanjingtermes giganteus; listed.
- © DISTRIBUTION: Oriental Region—China: Beijing.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

# †Yongdingia Ren, 1995

†Yongdingia Ren, 1995: 58, 181–182 [placed in Hodotermitinae; of Hodotermitidae].

Type species: Yongdingia opipara Ren, 1995 by original designation.

- Thorne et al., 2000: 80 Yongdingia; number of fossil species; age; distribution.
- ▲ 1 species.
- © DISTRIBUTION: Oriental Region.

# †Yongdingia opipara Ren, 1995

†Yongdingia opipara Ren, 1995: 59, 181-182 (imago), fig. 3.13, pl. 6: fig. 1.

Type data: Syntypes (whereabouts unknown): imagoes.

Type locality: China: Beijing.

- Krishna and Grimaldi, 2000: 134 Yongdingia opipara; listed; systematic position unknown.
- Thorne et al., 2000: 82, fig. 3 [part] Yongdingia opipara; imago wing figured.
- Engel et al., 2007a: 28 Yongdingia opipara; listed.
- © DISTRIBUTION: Oriental Region—China: Beijing.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

†Genus? Spec.? Weidner and Riou, 1986: 353 (imago), fig. 9, as "Kalotermitidarum genus species" [nomen nudum].

TISTRIBUTION: Palaearctic Region—France: Miocene.

# †Genus and Species Indeterminate Engel and Delclòs, 2010

- Engel and Delclòs, 2010: 122–124, fig. 7 Genus and Species *Indeterminate*; partial imago described; distribution. Foremost Formation, Late Cretaceous (Campanian), Grassy Lake, near Medicine Hat, Alberta, Canada.
- S DISTRIBUTION: Canada: Alberta.

# Species inquirendae

#### Eutermes rippertii pontis Holmgren, 1906

Eutermes rippertii pontis Holmgren, 1906: 575 [adequate characters not given].

Type data: No type designated.

— Snyder, 1949a: 351 • Eutermes ripperti [sic] pontis; catalog; placed in not classified.

#### Eutermes rippertii tuichensis Holmgren, 1906

*Eutermes rippertii tuichensis* Holmgren, 1906: 575 (soldier) [does not conform with *tuichensis* described by Holmgren 1910: 232].

Type data: Syntype(s) (whereabouts unknown): soldier.

Type locality: Bolivia: Tuiche.

- Snyder, 1949a: 351 Eutermes rippertii tuichensis; catalog; listed with not classified.
- § DISTRIBUTION: Neotropical–Bolivia.

#### Eutermes vernalis Hagen, 1878

Eutermes vernalis Hagen, 1878: 122 (king, testes) [nomen nudum].

#### Termes (Eutermes) albidus Hagen, 1858c

Termes (Eutermes) albidus Hagen, 1858c: 225-227, 243, 283 (imago), pl. 3: fig. 34.

Type data: Syntypes: MCZ No. 213 imagoes, ZMB imagoes.

TYPE LOCALITY: Brazil: Santarém.

- Hagen, 1858b: 32 Termes (Entermes [sic]) albidus; imago described; synonymy; distribution.
- Hagen, 1861b: 301 Termes albidus; synonymy; distribution. Brazil.
- Desneux, 1904b: 40 Termes (Eutermes) albidus; reference list. Brazil.
- Holmgren, 1912a: 55 Armitermes (Armitermes) albidus; listed. Brazil.
- Snyder, 1949a: 348 Termes albidus; catalog; imago placed in not classified. Brazil.
- Constantino, 1998b: 210 Termes albidus; catalog; placed in uncertain position. Brazil.
- (\$) DISTRIBUTION: Neotropical-Brazil.

#### Hamitermes subfuscus Martynov, 1937

Hamitermes subfuscus Martynov, 1937: 118 (imago), fig. 18 [unidentifiable].

Type data: Syntypes (whereabouts unknown): imagoes.

Type locality: unknown.

— Snyder, 1949a: 351 • Hamitermes subfuscus; catalog; listed with not classified.

#### Termes devastans Kollar, 1832

Termes devastans Kollar, 1832: 111 (worker), fig. 8.

Type data: Syntypes: AMNH workers, ZIHS workers, RIB workers.

Type locality: Brazil.

- Hagen, 1855: 103, 110, 282 *Termes devastans*; discussion.
- Hagen, 1858b: 32 Termes (Entermes [sic]) devastans; synonymy; distribution. Brazil.
- Hagen, 1858c: 229–230, 243 Termes (Eutermes) devastans; worker described; synonymy; distribution. Brazil.
- Hagen, 1861b: 301 Termes devastans; synonymy; distribution. Brazil.
- Hagen, 1889: 208 Termes devastans; discussion of possible synonymy with Eutermes rippertii.
- Desneux, 1904b: 39 Termes (Termes) devastans; reference list. Brazil.
- Snyder, 1949a: 349 Termes devastans; catalog; placed in not classified. Brazil.
- Mathot, 1978: 54 Termes devastans; collection catalog; types listed.
- Constantino, 1998b: 210 *Termes devastans*; catalog; placed in names of uncertain position. Brazil.
- S DISTRIBUTION: Neotropical-Brazil.

# Termes ferruginosum Latreille, 1804

Termes ferruginosum Latreille, 1804: 63 (imago).

Type data: Syntypes (whereabouts unknown): imagoes.

Type locality: East Indies.

- Latreille, 1805: 70 termes [sic] ferruginosum ("T. Ferrugineux"); description.
- Latreille, 1819: 97 Termes ferruginosum ("Termès Ferrugineux"); description.

- Hagen, 1855: 281 Termes ferruginosum; discussion.
- Hagen, 1858b: 20 Termes (Termes) ferruginosus; imago described; synonymy; distribution. East Indies.
- Hagen, 1858c: 138, 240 Termes (Termes) ferruginosus; synonymy; distribution. East Indies.
- Desneux, 1904b: 39 Termes (Termes) ferruginosus; reference list. East Indies.
- Lal and Menon, 1953: 78 Termes (Termes) ferruginosus; catalog; reference list. India.
- Snyder, 1949a: 349 Termes ferruginosus; catalog; placed in not classified. East Indies.
- © DISTRIBUTION: Oriental Region—East Indies.

#### Termes mordax Fabricius, 1781

*Termes mordax* Fabricius, 1781: 397–398 (imago, soldier) [placed as *Cubitermes* sp. by Snyder 1949a: 347 under not identified as to species].

Type Data: Syntypes: ZMUC imago, soldier.

Type locality: Equatorial Africa.

- Fabricius, 1787: 248 Termes mordax; characters.
- Gmelin, 1790: 2913 Termes mordax; description; locality. "Africa aequinoctiali."
- Fabricius, 1793: 90 Termes mordax; description; locality. Sierra Leone.
- Turton, 1802: 694 Termes mordax; description; locality. Sierra Leone.
- Zimsen, 1964: 613 Termes mordax; Fabricius' types listed.
- Snyder, 1949a: 347 Cubitermes sp.; catalog; placed under not identified as to species.
- Tistribution: Ethiopian Region—Sierra Leone.

#### Termes mordax Smeathman, 1781

*Termes mordax* Smeathman, 1781: 141, 160 (imago, worker), pl. 10: figs. 10–13 [placed as *Cubitermes* sp. by Snyder 1949a: 347 under not identified as to species].

Type data: Syntypes: BMNH imagoes, workers.

Type locality: Sierra Leone.

- Hagen, 1855: 55, 61, 71, 274, 276–277, 288 Termes mordax; discussion.
- Hagen, 1858b: 30 *Termes (Entermes* [sic]) *mordax*; imago described; synonymy; distribution. Sierra Leone.
- Hagen, 1858c: 215, 241 *Termes (Eutermes) mordax*; imago described; synonymy; distribution. Sierra Leone.
- Hagen, 1862a: 59, 68 Termes mordax; discussion.
- Girard, 1879: 292 Termes mordax; discussion.
- Sjöstedt, 1900a: 172 Eutermes mordax; imago described; distribution. Sierra Leone.
- Czerwinski, 1901: 7 Eutermes mordax; collection catalog. No locality cited.
- Hegh, 1922: 694 Eutermes mordax; reference list; distribution.
- Snyder, 1949a: 347 Cubitermes sp.; catalog; placed under not identified as to species.
- Tistribution: Ethiopian Region—Sierra Leone.

#### Termes modestus Hagen, 1860

Termes modestus Hagen, 1860b: 104-105 (nymph).

Type data: Syntypes: MCZ No. 214 nymphs.

Type locality: Indonesia: Borneo.

- Snyder, 1949a: 350 Termes modestus; catalog; placed in not classified. Borneo.
- © DISTRIBUTION: Oriental Region—Indonesia.

#### Termes pallidipennis Blanchard, 1846

Termes pallidipennis Blanchard, 1846: 216-217 (imago), pl. 28: fig. 1.

TYPE DATA: Syntypes (whereabouts unknown): imagoes.

TYPE LOCALITY: Bolivia: Province de Santa-Cruz de la Sierra.

- Hagen, 1855: 110, 298 Termes pallidipennis (also as Termes pallidipenne); discussion.
- Hagen, 1858c: 165 Termes pallidipennis; cited as a synonym of Termes (Termes) cumulans.
- Snyder, 1949a: 350 Termes pallidipennis; catalog; placed in not classified. Bolivia.
- TISTRIBUTION: Neotropical-Bolivia.

#### Termes perrieri Desneux, in Litt., 1904

Termes perrieri Desneux, in Litt., 1904: ? [nomen nudum].

- Hegh, 1922: 290 Termes Perrieri; nest. Madagascar.
- Emerson, 1928: 469 Termes perrieri; discussion.
- Cachan, 1949: 226 Termes Perrieri; remarks; invalid name. Madagascar.
- Snyder, 1949a: 350 Termes Perrieri; catalog; placed in not classified.

#### †Termes rutoti Meunier, 1900

†Termes rutoti Meunier, 1900: 76-79 (nymph), figs. 1-3.

Type data: Syntypes (whereabouts unknown): nymphs (ex Eocene amber).

Type locality: Belgium: Brabant: Léau, Landenien.

- Handlirsch, 1907: 701 "Termes" Rutoti; listed as incertae sedis; synonymy.
- Snyder, 1925d: chart 1 "Termes" rutoti; listed as Isoptera incertae sedis.
- Snyder, 1949a: 370 Termes rutoti; catalog; placed as fossil; of uncertain position.
- Spahr, 1992: 36 Termes rutoti; synonymy; copal fossil; remarks.
- Nel and Paicheler, 1993: 167 Termes rutoti; as Isoptera(?) family incertae sedis; type data; paleontology; distribution.
- Krishna, 1996: 2 Termes rutoti; listed.
- TISTRIBUTION: Palaearctic Region: Belgium, Baltic Amber.
- \* Fossil Record: Cenozoic-Palaeogene: Eocene.

#### Termes viarum Smeathman, 1781

Termes viarum Smeathman, 1781: 163, 189–192 [Smeathman initially used the "generic" name Termites (later in the paper, p. 191, correctly spelled Termes) and discussed biology and behavior only, with "larger than the Termes bellicosus" the only taxonomic character mentioned. Hagen, 1858: 93–94 placed viarum in Hodotermes, but also stated that the types he examined might be Termes. Sjöstedt, 1900: 27, Holmgren, 1911: 43 and Desneux, 1904: 17 treat this species as a Hodotermes. Holmgren, 1911: 43 also states that this species is not recognizable and should be treated as a "species negligendae." Snyder, 1949: 351 lists this species as not classified].

Type data: No type designated.

- Hagen, 1858b: 14 Hodotermes (Hodotermes) viarum; synonymy; distribution. Sierra Leone.
- Hagen, 1858c: 93–94 Hodotermes viarum; remarks. Sierra Leone.
- Hagen, 1862a: 87 Termes viarum; listed; distribution.
- Snyder, 1949a: 349 Termes viarum; catalog; placed in not classified.
- TISTRIBUTION: Ethiopian Region—Sierra Leone.

#### NOMINA DUBIA

# †CAATINGATERMITINAE Martins-Neto, Ribeiro-Júnior, and Prezoto, 2006

†Caatingatermitinae Martins-Neto et al., 2006: 127 [placed in Hodotermitidae].

Type Genus: Caatingatermes Martins-Neto et al., 2006 [type genus not stated].

- ▲ 3 genera: 3 species.
- § DISTRIBUTION: Neotropical Region.
  - Bechly, 2007: 259, 260 Caatingatermitinae; comments; placed in ?Hodotermitidae.

#### †Araripetermes Martins-Neto, Ribeiro-Júnior, and Prezoto, 2006

†Araripetermes Martins-Neto et al., 2006: 128-129 (imago).

Type species: Araripetermes nativa Martins-Neto et al., 2006 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Neotropical Region.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Aptian.

#### †Araripetermes nativus Martins-Neto, Ribeiro-Júnior, and Prezoto, 2006

†Araripetermes nativa Martins-Neto et al., 2006: 129 (imago), figs. 1D-G, pl. 1: figs. C, D.

Түре DATA: Holotype: SBP imago.

Type locality: Brazil: Ceará State: outcrop at Mina Pedra Branca, 4 km from municipality of Nova Olinda: Araripe Basin: Santana Formation [7°10′S, 39°40′W].

- Engel et al., 2007a: 28 Araripetermes nativa; listed.
- Bechly, 2007: 260, fig. 11.26a Araripetermes nativa; diagnosis.
- Grimaldi et al., 2008: 21 Araripetermes nativus; name emended; comments; placed as nomen dubium.
- S DISTRIBUTION: Neotropical Region—Brazil.
- \* Fossil record: Mesozoic-Cretaceous: Early: Aptian.

# †Caatingatermes Martins-Neto, Ribeiro-Júnior, and Prezoto, 2006

†Caatingatermes Martins-Neto et al., 2006: 127–128.

Type species: *Caatingatermes megacephalus* Martins-Neto, Ribeiro-Júnior and Prezoto, 2006 by original designation.

- ▲ 1 species.
- S DISTRIBUTION: Neotropical Region.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Aptian.

### †Caatingatermes megacephalus Martins-Neto, Ribeiro-Júnior, and Prezoto, 2006.

†Caatingatermes megacephalus Martins-Neto et al., 2006: 128 (imago), figs. 1A-C, pl. 1: fig. B.

Type data: Holotype: SBP imago.

Type locality: Brazil: Ceará State: outcrop at Mina Pedra Branca, 4 km from municipality of Nova Olinda: Araripe Basin: Santana Formation [7°10′S, 39°40′W].

- Engel et al., 2007a: 28 Caatingatermes megacephalus; listed.
- Bechly, 2007: 260, fig. 11.26b Caatingatermes megacephalus; diagnosis.
- Grimaldi et al., 2008: 21 Caatingatermes megacephalus; placed as nomen dubium.
- § DISTRIBUTION: Neotropical Region—Brazil.
- \* Fossil record: Mesozoic-Cretaceous: Early: Aptian.

# †Nordestinatermes Martins-Neto, Ribeiro-Júnior, and Prezoto, 2006

†Nordestinatermes Martins-Neto et al., 2006: 129–130 [placed in Hodotermitinae; of Hodotermitidae].

Type species: *Nordestinatermes obesa* Martins-Neto, Ribeiro-Júnior and Prezoto, 2006 by original designation.

— Grimaldi et al., 2008: 10 • Nordestinatermes; synonymized with Meiatermes.

- ▲ 1 species.
- (\*) DISTRIBUTION: Neotropical Region.
- \* Fossil Record: Mesozoic-Cretaceous: Early: Aptian.

#### †Nordestinatermes obesus Martins-Neto, Ribeiro-Júnior and Prezoto, 2006

†Nordestinatermes obesa Martins-Neto et al., 2006: 130 (imago), figs. 1H, I, pl. 1: fig. A.

TYPE DATA: Holotype: SBP RGMN-T149 imago.

Type locality: Brazil: Ceará State: outcrop at Mina Pedra Branca, 4 km from municipality of Nova Olinda: Araripe Basin: Santana Formation [7°10′S, 39°40′W].

- Engel et al., 2007a: 28 Nordestinatermes obesus; listed.
- Bechly, 2007: 258, fig. 11.26d Nordestinatermes obesa; imago; diagnosis; figured.
- Grimaldi et al., 2008: 24 *Nordestinatermes obesus*; name emended; comments; placed as nomen dubium.
- § DISTRIBUTION: Neotropical Region—Brazil: Ceará.
- \* Fossil record: Mesozoic-Cretaceous: Early: Aptian.

# †EUTERMITINAE Holmgren 1910

†Eutermitinae Holmgren, 1910a: 146 [type genus automatically Eutermes Heer, 1849].

Type Genus: Eutermes Heer, 1849 [see remarks under generic name, Eutermes].

- Engel and Krishna, 2004a: 3, 5, table 1 Eutermitinae; classification; listed as a synonym of Nasutitermitinae.
- Engel and Krishna, 2005a: 11 Eutermitinae; proposal to place on the Official Index of Invalid and Rejected Generic Names in Zoology.
- Roisin, 2005: 149-150 Comments on Engel and Krishna, 2005a, case 3292 on Eutermitinae.
- Engel and Krishna, 2005b: 240 Comments on Eutermitinae.
- ICZN, 2007: Opinion 2168, rejection of case 3292 on Eutermitinae.

▲ 1 genus: 1 species.

TISTRIBUTION: Palaearctic Region.

#### †Eutermes Heer, 1849

†Eutermes Heer, 1849b: 22-36 (imago).

Type species: Termes (Eutermes) debilis Heer, 1849 by subsequent designation; see Banks, 1919: 482 (debilis as the type species of Eutermes). Banks, 1920 again designated as type species for Eutermes Termes debilis Heer, 1849b, based on material of living termites from Puerto Rico, which he considered to be conspecific with Heer's fossil species in gum copal or Baltic amber. Banks never saw Heer's type, which is today presumably lost, and based this assertion solely on Hagen's 1858c comment that he believed Heer's fossil species to be identical with material from Puerto Rico. It is today clear that the fossil form considered by Heer is assuredly not conspecific with the living New World material. The living species is today known as Microcerotermes arboreus Emerson, 1925 and Banks' equation of the living species with the fossil T. debilis Heer is a misidentification. Since T. debilis was selected as the type species of Eutermes this brings into doubt the application of the generic name, as the type species designation likely was based on a misidentification. Under ICZN (1999, art. 70.3) either the nominal species (the fossil T. debilis Heer, 1849b; ICZN, 1999, art. 70.3.1) or the biological species under question (M. arboreus Emerson, 1925; ICZN, 1999, art. 70.3.2) may be subsequently selected as type species, which under the designators' (i.e., the authors of the present volume) judgment best serves stability. Accordingly, we herein follow Art. 70.3.1 and

select the nominal species, *T. debilis* Heer, 1849b as based on Heer's fossil species in East African gum copal or Baltic amber as the type species (Hagen, 1858c, who examined the type indicated it was likely gum copal). This action preserves the name *Microcerotermes* as it is universally applied and leaves *Eutermes* and Eutermitinae as nomina dubia.

- Banks, 1920: 8 Eutermes; remarks; debilis as type species; Microcerotermes listed as a synonym
  of Eutermes.
- Engel and Krishna, 2005a: 11 Eutermes; proposal to 1. suppress the name for the purposes of the principle of priority, but not for those of the principle of homonymy; 2. place on the Official Index of Invalid and Rejected Generic Names in Zoology.
- Roisin, 2005: 149-150 Comments on Engel and Krishna, 2005a, Case 3292 on Eutermes.
- Engel and Krishna, 2005b: 240 Comments on Eutermes.
- Roisin, 2005: 149–150 Comments on Engel and Krishna, 2005a, Case 3292 on Eutermes.
- ICZN, 2007: 73 Opinion, 2168, rejection of case 3292 on Eutermes.

#### ▲ 1 species.

TISTRIBUTION: Palaearctic Region.

### †Eutermes debilis (Heer, 1849)

†Termes (Eutermes) debilis Heer, 1849b: 35 (imago), pl. 3: fig. 6.

Type data: Holotype: imago [depository unknown; probably Zürich].

Type locality: "Bernstein" [Baltic amber].

- Hagen, 1858c: 207 *Termes (Eutermes) debilis*; imago not in "Bernstein" but in gum copal; belongs to a recent species from Puerto Rico; specimen in Königsberg Museum, cabinet 559.
- Giebel, 1852: 638 Termes debilis; listed.
- Pictet, 1854: 370 Termes debilis; listed.
- Giebel, 1856: 295, 419 Termes (Eutermes) debilis; imago described; paleontology.
- Pictet-Baraban and Hagen, 1856: 48 Termes debilis; discussion.
- Girard, 1879: 292 Termes debilis; discussion.
- Handlirsch, 1907: 700, 1098 "Eutermes" debilis; also as Termes (Eutermes) debilis; listed; synonymy. Africa: Baltic amber, ?Gum copal.
- Banks, 1919: 482 Termes debilis as type species of Eutermes.
- Banks, 1920: 8 *Eutermes debilis*; Hagen's remarks; Hagen's imago specimen described; placed in *Microcerotermes*; allied to *struncki*.
- Snyder and Zetek, 1924: 3, 21 Eutermes debilis; locality; biology. Panama.
- Snyder, 1925d: chart 1 Microcerotermes (Eutermes) debilis; listed.
- Snyder, 1926e: 71 Eutermes debilis; remarks.
- Pongrácz, 1926: pl. 5 Eutermes debilis; phylogeny.
- Pongrácz, 1928: 112 Termes debilis; discussion.
- Snyder, 1949a: 367 *Microcerotermes debilis*; catalog; reference list. Pleistocene: Gum Copal: Tanzania.
- Spahr, 1992: 36 Microcerotermes debilis; synonymy; copal fossil.
- Nel and Paicheler, 1993: 168 *Termes debilis*; as Isoptera family incertae sedis; type data; paleontology; distribution.
- Krishna, 1996: 2-3 Eutermes debilis; discussion; distribution.
- Roisin, 2005: 149-150 Comments on Engel and Krishna, 2005a, case 3292 on Eutermes debilis.
- ICZN, 2007: 73 Opinion, 2168, rejection of Case 3292 on Eutermes debilis.
- Tistribution: Palaearctic Region: ?"Bernstein" [Baltic Amber].
- \* Fossil Record: Cenozoic-Palaeogene: Eocene.

#### **NOT ISOPTERA**

### †Archeoentomichnus Hasiotis and Dubiel, 1995

†Archeoentomichnus Hasiotis and Dubiel, 1995: 121 [not placed in any family].

Type species: *Archeoentomichnus metapolypholeos* Hasiotis and Dubiel, 1995 by original designation.

- Fontes and Vulcano, 2004: 358 Archeoentomichnus; fossil catalog. New World.
- Genise, 2004: 436, 439 Archeoentomichnus; key; synonymy; nest characters; placed in family Krausichnidae.
- ▲ 1 species.
- § DISTRIBUTION: Nearctic Region.

## †Archeoentomichnus metapolypholeos Hasiotis and Dubiel, 1995

†*Archeoentomichnus metapolypholeos* Hasiotis and Dubiel, 1995: 121–126 (nest architecture) figs. 3–5 [ichnofossil].

Type data: Holotype: PEFO 533 fragments of calie.

Type Locality: USA: Arizona, SW ¼, NE ¼, Sec. 22, T.18N, R.24E, Petrified Forest National Park, Sonsela sandstone bed, lower part of petrified Forest Member, Upper Triassic Chinle Formation [34°54′45″N, 109°44′40″W].

- Fontes and Vulcano, 2004: 358 Archeoentomichnus metapolypholeos; fossil catalog. New World.
- § DISTRIBUTION: Nearctic Region—USA: Arizona.
- \* Fossil record: Mesozoic-Triassic: Late.

## †Architermes Haupt, 1956

†Architermes Haupt, 1956: 28.

Type species: *Architermes simplex* Haupt, 1956 by original designation.

- Carpenter, 1992: 142 Architermes; species included; fossil distribution.
- Nel and Paicheler, 1993: 169 Architermes; as Isoptera(?) incertae sedis.
- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.
- \* Fossil record: Cenozoic-Palaeogene: Eocene.

### †Architermes simplex Haupt, 1956

†Architermes simplex Haupt, 1956: 29–30 (imago), figs. 25a, 26.

Түре DATA: Holotype: GPIUH No. G55/19 imago. Paratypes: GPIUH imago.

Type locality: Germany: Geiseltales.

- Weidner, 1968b: 16 Architermes simplex; discussion.
- Nel and Paicheler, 1993: 169 *Architermes simplex*; as Isoptera(?) incertae sedis; type data; paleontology; distribution.
- Krishna, 1996: 2 Architermes simplex; listed.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil Record: Cenozoic-Palaeogene: Eocene.

### †Clathrotermes geinitzi Heer, 1865

†Clathrotermes geinitzi Heer, 1865: 85 (wing).

Type data: Holotype: GMR imago wing [fide Handlirsch 1906: 416]. Type locality: Germany: Dobbertin in Mecklenburg, Upper Lias.

- Handlirsch, 1906: 416, pl. 39, fig. 37 *Elcana Geinitzi*; wing described and figured; distribution. Dobbertin in Mecklenberg; Upper Lias.
- Snyder, 1949a: 371• Elcana geinitzi; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Germany.

## †Eotermes Haupt, 1956

†*Eotermes* Haupt, 1956: 27 (imago wing), fig. 24 [primary homonym of *Eotermes* Statz, 1939. Haupt described and included the species *Eotermes multivenosus* from Eocene bed of Geiseltales, Germany. Emerson, 1969: 5 stated that the wing venation in the figure by Haupt appears to be cockroach-like rather than termite-like and removed it from the order Isoptera. Also see Nel, 1993; Weidner, 1968b: 13].

Type species: *Eotermes multivenosus* Haupt, 1956 by original designation.

- ▲ 1 species.
- ♠ DISTRIBUTION: Palaearctic Region.

### †Eotermes multivenosus Haupt, 1956

†Eotermes multivenosus Haupt, 1956: 28 (wings), fig. 24 [note that Eotermes multivenosus Haupt, 1956 is Insecta Blattodea, fide Emerson, 1969].

Type data: Holotype: GPIUH No. G55/17 imago (wing).

Type locality: Germany: Geiseltales.

- Weidner, 1968b: 13, 14, 16, fig. 4 Eotermes multivenosus; forewing described and figured.
- Emerson, 1969: 5 *Eotermes multivenosus*; wing venation in figure appears cockroach-like rather than termite-like; removed from the order Isoptera.
- © DISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil Record: Cenozoic-Palaeogene: Eocene.

## †Hebeitermes Hong, 1982

†*Hebeitermes* Hong, 1982: 70–71.

Type species: Hebeitermes weichangensis Hong, 1982 by original designation.

— Nel and Paicheler, 1993: 123 • Hebeitermes; as Insecta order incertae sedis.

▲ 1 species.

♠ DISTRIBUTION: Oriental Region.

### †Hebeitermes weichangensis Hong, 1982

†*Hebeitermes weichangensis* Hong, 1982: 71 (imago wing), fig. 54 [appears to be upside down]; placed in Kalotermitidae.

Type data: Holotype (whereabouts unknown): No. GY1756 imago wing.

Type locality: China: Gansu Province: Jiuquan Basin.

- Nel and Paicheler, 1993: 123 Hebeitermes weichangensis; as Insecta order incertae sedis; type data; paleontology; distribution.
- Jarzembowski, 1991: 93 Hebeitermes weichangensi; discussion; possible Blattodea.
- Martínez-Delclòs and Martinell, 1995: 596 *Hebeitermes weichangensis*; as Insecta, non-Isoptera–possible Blattodea; characters discussed.
- ♠ DISTRIBUTION: Oriental Region—China: Gansu.
- \* Fossil Record: Mesozoic-Cretaceous: Early.

# †Idomastotermes Haupt, 1956

†Idomastotermes Haupt, 1956: 23–24 [placed in Masotermitidae].

Type species: *Idomastotermes mysticus* Haupt, 1956 by original designation.

- Nel and Paicheler, 1993: 114 *Idomastotermes mysticus*; as Insecta genus incertae sedis; type data; paleontology; distribution.
- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

# †Idomastotermes mysticus Haupt, 1956

†Idomastotermes mysticus Haupt, 1956: 24-27 (imago), fig. 16.

TYPE DATA: Holotype: GPIUH No. G55/16a, b imago.

Type locality: Germany: Geiseltales.

- Emerson, 1965: 13 *Idomastotermes mysticus*; as Insecta incertae sedis; imago wing described; paleontology.
- Weidner, 1967: 73 *Idomastotermes mysticus*; discussion; as Insectum incertae sedis.
- Weidner, 1968b: 14 *Idomastotermes mysticus*; discussion; as Insecta incertae sedis.
- Burnham, 1978: 88 Idomastotermes mysticus; listed.

- Nel and Paicheler, 1993: 114 *Idomastotermes mysticus*; as Insecta genus and species incertae sedis; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Germany.
- \* Fossil Record: Cenozoic-Palaeogene: Eocene.

### †Masrichnus Bown, 1982

†Masrichnus Bown, 1982: 275 [ichnofossil taxon].

Type species: Masrichnus issawii Bown, 1982 by original designation.

- ▲ 1 species.
- TISTRIBUTION: Palaearctic Region.

### †Masrichnus issawii Bown, 1982

†Masrichnus issawii Bown, 1982: 275-277 ("Domichnia, calies"), figs. 9B, 9C, 10.

Type data: Holotype: CGM 41579 "Domichnia, calies" (nest).

Type locality: Egypt: Western desert: Fayum Depression, 5 km S, 38°E of Widan el Faras, lower part of Jebel Qatrani Formation [29°37′N, 30°39′40″E].

- Tistribution: Palaearctic Region—Egypt.
- \* Fossil record: Cenozoic-Palaeogene: Oligocene.

### †**Permotermopsis** Martynov, 1937

†Permotermopsis Martynov, 1937: 84.

Type species: *Permotermopsis roseni* Martynov, 1937 by original designation.

- Emerson, 1965: 12 Permotermopsis; comparisons; not termite; probably Protorthoptera.
- Sharov, 1991: 155 Permotermopsis; wing described; distribution; of the order Paraplecoptera.
- Carpenter, 1992: 124 Permotermopsis; included in family Permotermopsidae Martynov, 1937, order Protorthoptera.
- ▲ 2 species.
- TISTRIBUTION: Palaearctic Region.

## †Permotermopsis pectinata Martynov, 1937

†Permotermopsis pectinata Martynov, 1937: 86 (wing), fig. 2.

TYPE DATA: Type status and whereabouts unknown wing.

Type Locality: Russia ("USSR"): Permian of Sheimo-Gora Arkhangelsk.

- Snyder, 1949a: 373 Permotermopsis pectinata; catalog; not termite.
- Carpenter, 1992: 124 Permotermopsis pectinata; listed.
- TISTRIBUTION: Palaearctic Region—Russia ("USSR").

### †Permotermopsis roseni Martynov, 1937

†Permotermopsis roseni Martynov, 1937: 85 (wing), fig. 1.

Type data: Type status and whereabouts unknown wing.

Type Locality: Russia ("USSR"): Permian of Sheimo-Gora Arkhangelsk.

- Snyder, 1949a: 373 Permotermopsis roseni; catalog; not termite.
- Carpenter, 1992: 124 Permotermopsis roseni; listed.
- TISTRIBUTION: Palaearctic Region—Russia ("USSR").

#### †Termes contusa Scudder, 1878

†Termes contusus Scudder, 1878: 300 (wing).

Type data: Type status and whereabouts unknown wing.

Type locality: USA: Illinois: Vermillon County.

- Brongniart, 1885: 61 Goldenbergia contusa; listed.
- Scudder, 1885c: 330, pl. 29: fig. 6 Didymophleps contusa; wing described and figured.
- Handlirsch, 1906: 324, pl. XXXIII: fig. 20 *Didymophleps contusa*; wing described and figured. not termite; Protorthoptera; distribution. USA: Illinois: Vermillon County; Carboniferous.
- Snyder, 1949a: 371• Termes contusus; catalog, not termite. Carboniferous of Illinois.
- S DISTRIBUTION: Nearctic Region—USA: Illinois.

### †Termes (Eutermopsis) decheni Goldenberg, 1854

†Termes (Eutermopsis) decheni Goldenberg, 1854: 31 (imago wing), pl. V: fig. 3.

Type DATA: Type status and whereabouts unknown wing.

Type Locality: Germany: Altenwald.

- Hagen, 1858b: 11 Eutermopsis Dechenii [sic]; synonymized with Heerii [sic].
- Goldenberg, 1873: 10, pl. II: figs. 3, 4, 5 *Termes (Calotermes) Decheni*; wing described and figured.
- Brongniart, 1885: 61 Goldenbergia Decheni; listed.
- Scudder, 1885a: 171 Goldenbergia Decheni; key.
- Brongniart, 1893: 505 Dictyoneura Decheni; listed.
- Handlirsch, 1906: 73, pl. 9: figs. 20, 21 Acanthodictyon Decheni; wing described and figured; not termite; Paleodictyoptera; distribution. Germany (Rheinlande): Altenwald; Middle to Upper Carboniferous.
- Snyder, 1949a: 371 Acanthodictyon decheni; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Germany.

## †Termes (Eutermopsis) formosus Goldenberg, 1854

†Termes (Eutermopsis) formosa Goldenberg, 1854: 30-31 (wing), pl. V: fig. 2.

Type data: Type status and whereabouts unknown imago wing.

Type locality: Germany: Altenwald.

- Goldenberg, 1873: 10 Termes (Eutermopsis) formosa; synonymized with decheni.
- Scudder, 1885a: 172 Goldenbergia formosa; key.

- Handlirsch, 1906: 72, pl. IX: fig. 19 *Sagenoptera formosa*; wing described and figured; not termite; Paleodictyoptera; distribution. Germany: Gersweiler.
- Snyder, 1949a: 373 Termes (Eutermopsis) formosus; synonymized with Stilbocrocis heeri.
- TISTRIBUTION: Palaearctic Region—Germany.

### †Termes? grandaevus Brodie, 1845

†Termes? grandaevus Brodie, 1845: 33, 119 (wingless imago), pl. 2: fig. 5.

TYPE DATA: Type status unknown wingless imago.

Type locality: England: Vale of Wardour, Purbeck, Malm.

- Giebel, 1856: 295 Termes (Eutermes) grandaevus; imago described; paleontology.
- Hagen, 1858c: 181, 182 Termes grandaevus; remarks; synonymy);
- Handlirsch, 1906: 650 *Termes? grandaevus*; synonymy; distribution. England: Vale of Wanrdour, Purbeck, Malm.
- Snyder, 1949a: 371 Termes grandaevus; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—England.

### †Termes (Calotermes) hageni Goldenberg, 1873

†Termes (Calotermes) hageni Goldenberg, 1873: 12 (imago wing), pl. II: fig. 7.

Type data: Type status and whereabouts unknown imago wing.

Type locality: Germany: Altenwald.

- Goldenberg, 1854: 37, pl. IV: fig. 8 Insectum dub.; figured.
- Handlirsch, 1906: 342 Termes (Calotermes) Hageni; remarks; not a termite, an arachnid; distribution. Germany: Altenwald.
- Snyder, 1949a: 371 Termes (Calotermes) Hageni; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Germany.

# †Termes hassencampi Heer, 1860 [nomen nudum].

†Termes hassencampi Heer in Hassencamp, 1860: 79 [nomen nudum].

Type DATA: Type status and whereabouts unknown imago.

Type locality: Germany: Bayern: Sieblos

- Handlirsch, 1907: 702 "*Termes*" *Hassencampi*; listed as incertae sedis; synonymy; distribution. Bayern: Sieblos; Middle Oligocene.
- Rosen, 1913a: 323 Termes hassencampi; listed.
- Snyder, 1949a: 372 Termes Hassencampi; catalog; placed as fossil, not termite.
- Nel and Paicheler, 1993: 167 Termes hassencampi; as nomen nudum; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Germany.

# †Termes (Termopsis) heeri Goldenberg 1852

†Termes (Termopsis) heeri Goldenberg [= Goldberger], 1852: 39 (wing).

Type DATA: Type status and whereabouts unknown.

Type Locality: Germany: Coal Shales Altenwald.

- Goldenberg, 1854: 29, pl. IV: fig. 5 *Termes (Eutermopsis) Heeri*; remarks, wing described and figured.
- Giebel, 1856: 297 Termes (Eutermes) Heeri; imago described; paleontology.
- Hagen, 1858b: 11 ?Calotermes Heerii [sic]; synonymy; remarks. Germany: Altenwald.
- Hagen, 1858c: 73 ?Calotermes Heerii [sic]; imago; remarks. Germany: Altenwald.
- Brongniart, 1885: 61 Goldenbergia Heeri; listed.
- Scudder, 1885a: 172 Goldenbergia Heeri; key.
- Brongniart, 1893: 505 Dictyoneura Heeri; remarks.
- Handlirsch, 1906: 74 *Stilbocrocis Heeri*; wing described and figured; not termite; Paleodictyoptera; distribution. Germany: Altenwald.
- Snyder, 1949a: 372 Stilbocrocis Heeri; catalog; not termite.

†Termes (Termopsis) affinis Goldenberg [= Goldberger], 1852: 39 (wing).

TYPE DATA: Type status and whereabouts unknown imago wing.

Type Locality: Germany: Altenwald (Coals of Rhine).

- Goldenberg, 1854: 31, pl. 6: fig. 1 Termes (Eutermopsis) affinis; imago wing described.
- Hagen, 1858b: 11 Eutermopsis affinis; synonymized with Heerii [sic].
- Goldenberg, 1873: 11, pl. II: fig. 5 Termes (Calotermes) affinis; wing described and figured.
- Brongniart, 1885: 61 Goldenbergia affinis; listed.);
- Handlirsch, 1906: 71, pl. IX: fig. 17 *Anagesthes affinis*; reference list; wing figured; distribution. Germany: Altenwald.
- Snyder, 1949a: 372 Termes (Eutermopsis) affinis; catalog; listed as synonym of Heeri.
- TISTRIBUTION: Palaearctic Region—Germany.

## †Termes heros Hagen, 1862

†Termes heros Hagen, 1862: 107, 114 (imago), pl. XV: fig. 1.

Type data: Type status and whereabouts unknown imago.

Type locality: Germany: Eichstätt, Solnhofenin in Bayern.

- Haase, 1890: 12 Mesotermes heros; listed.
- Meunier, 1898: 134 Termes heros; listed.
- Handlirsch, 1906: 613 ?Mesotermes heros; wing described; distribution.
- Snyder, 1949a: 372 Termes heros; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Germany.

### †Termes laxa Goldenberg, 1877

†Termes laxus Goldenberg, 1877: 17 (imago).

TYPE DATA: Type status and whereabouts unknown imago.

Type locality: Germany (Rheinlande): Dudweiler; Middle to Upper Carboniferous.

- Scudder, 1885a: 169 Litoneura laxa; key.
- Brongniart, 1885: 61 Goldenbergia laxa; listed.

- Brongniart, 1893: 505 Dictyoneura laxa; listed.
- Handlirsch, 1906: 74, pl. IX: figs. 22, 23 *Eumecoptera laxa*; synonymy; wing described and figured; not termite; Paleodictyoptera; distribution. Germany (Rheinlande): Dudweiler.
- Snyder, 1949a: 372 Termes laxa; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Germany.

## †Termes longitudinalis Scudder, 1885

†Termes longitudinalis Scudder, 1885c: 350 (imago).

TYPE DATA: Type status unknown wing.

Type locality: USA: Illinois: Mazon Creek near Morris Pennsylvanian Kittaning? stage; Middle Carboniferous.

- Brongniart, 1885: 61 Goldenbergi longitudinalis; listed.
- Handlirsch, 1906: 168, pl. XVII: fig. 7 *Adiphlebia longitudinalis*; remarks; imago figured; distribution. USA: Illinois: Mazon Creek; Pennsylvania Kittaning? (Allegheny) stage.
- Snyder, 1949a: 372 Termes longitudinalis; catalog; not termite
- § DISTRIBUTION: Nearctic Region—USA: Illinois.

### †Termes (Mixotermes) lugauensis Sterzel, 1881

†Termes (Mixotermes) lugauensis Sterzel, 1881: 271–276 (wing), figs. 3, 4, 5 [Mixotermes Sterzel, 1881, as subgenus of Termes, with type species M. lugauensis; originally placed in order Isoptera, transferred to Orthoptera by Brongniart, 1885, and to new order Mixotermitoidea by Handlirsch, 1906, 1919, 1920 and to the extinct order Hapalopteroidea by Pruvost, 1919 (fide Carpenter 1992); also see Froggatt, 1897 and Holmgren, 1911a: 5, 7. Haupt, 1956 places Mixotermes in Mixotermitidae in order Termitina together with Mastotermitidae and Isopteridae].

Type data: Type status and whereabouts unknown imago wing.

Type locality: Germany: Lugau.

TISTRIBUTION: Palaearctic Region—Germany.

#### †Calotermes maculata Heer, 1865

†Calotermes maculatus Heer, 1865: 86, pl. 7: fig. 7.

TYPE DATA: Holotype: GMZ imago

Type locality: Switzerland: Lias of Schambelen.

- Handlirsch, 1906: 418 Elcana maculata; wing described; distribution. Switzerland: Schambelen.
- Snyder, 1949a: 372 Elcana maculata; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Switzerland.

### †Calotermes obtecta Heer, 1865

†Calotermes obtectus Heer, 1865: 86 (wing).

TYPE DATA: Type status and whereabouts unknown wing.

Type locality: Switzerland: Lias of Schambelen.

- Handlirsch, 1906: 413 Elcana obtecta; wing described; distribution. Switzerland: Schambelen im Aargau.
- Snyder, 1949a: 372 Elcana obtecta; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Switzerland.

## †Termes peccanae Massalongo, 1856

†Termes peccanae Massalongo, 1856: 19 (imago), pl. II: figs. 5, 6 [possibly not a termite].

Type Data: Syntype(s) (whereabouts unknown): imago [According to Evenhuis, 1997: 190, the types may be at the Museo Civico di Storia Naturale, Verona; Nel, et al., 1993: 519 states that they are probably in the Massalongo Collection at "l'Académie de Verone"].

Type locality: Italy: Monte Bolca: Eocene.

- Handlirsch, 1907: 701 (Termes) Peccanae; listed as incertae sedis; synonymy.
- Rosen, 1913a: 319 Termes Peccanae; listed.
- Collins, 1925: 410 Termes peccanae; discussion.
- Snyder, 1949a: 373 Termes Peccanae; catalog; not termite.
- Crowson et al., 1967: 514 Termes peccanae; listed as incertae sedis.
- Nel and Paicheler, 1993: 167 Termes peccanoe [sic]; as Insecta incertae sedis; type data; paleontology; distribution.
- TISTRIBUTION: Palaearctic Region—Italy.

# †Termes plagiata Hagen, 1858

†Termes plagiatus Hagen, 1858c: 181 (imago).

TYPE DATA: Holotype: GMZ imago.

Type locality: Switzerland: Lias of Schambelen.

- Heer, 1865: 86, pl. 7: fig. 6 Calotermes plagiatus; wing figured.
- Handlirsch, 1906: 415 *Elcana plagiata*; wing measurements; distribution. Switzerland: Schambelen im Aargau.
- Snyder, 1949a: 373 Elcana plagiata; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Switzerland.

## †Termes troglodytes Hagen, 1858

†Termes troglodytes Hagen, 1858c: 181 (wing).

TYPE DATA: Holotype: GMZ imago wing.

Type locality: Switzerland: Lias of Schambelen.

- Heer, 1865: 86 Calotermes troglodytes; wing described.
- Handlirsch, 1906: 419 *Elcana troglodytes*; wing described; distribution. Switzerland: Schambelen im Aargau.
- Snyder, 1949a: 373 Elcana troglodytes; catalog; not termite.
- TISTRIBUTION: Palaearctic Region—Switzerland.

# †Uralotermes Zalessky, 1937

#### †Uralotermes Zalessky, 1937: 848.

Type species: Uralotermes permianum Zalessky, 1937 by monotypy.

- Zalessky, 1939: 53, 81 *Uralotermes permianus*; characters; incorrectly cited as new genus.
- Snyder, 1949a: 352 *Uralotermes*; catalog; synonymy.
- Emerson, 1955: 507 *Uralotermes*; listed; distribution.
- Sharov, 1962: 133 *Uralotermes*; characters; treated as incertae sedis.
- Yu and Ping, 1964a: 19 Uralotermes; listed.
- Emerson, 1965: 11 *Uralotermes*; synonymy; remarks.
- Sharov, 1991: 173 Uralotermes; characters; treated as incertae sedis.

#### ▲ 1 species.

Tistribution: Palaearctic Region.

### †Uralotermes permianus Zalessky, 1937

†Uralotermes permiaum Zalessky, 1937: 848 [changed to permianus Zalessky 1939].

Type data: Type status unknown, ZMM wing fragment.

Type locality: "USSR": Ural Mountains: Ust-kishert; Sylva basin, Permian age [about 57°N, 56°35′E].

- Zalessky, 1939: 53, 81, fig. 30 Uralotermes permianus; wing fragment described and figured; incorrectly cited as new species.
- Snyder, 1949a: 352 Uralotermes permianus; catalog; synonymy; remarks; distribution.
   "USSR."
- Sharov, 1962: 133, fig. 340 Uralotermes permianus; synonymy; discussion; treated as incertae sedis.
- McKittrick, 1964: 106 Uralotermes permianum; synonymy; discussion; Permian origin of Isoptera.
- Emerson, 1965: 11–12 *Uralotermes permianus*; synonymy; discussion; not a termite.
- Sharov, 1991: 173, fig. 340 *Uralotermes permianus*; synonymy; discussion; treated as incertae sedis.
- TISTRIBUTION: Palaearctic Region—"USSR": Ural mountains.

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ON THE COVER: NEST OF DICUSPIDITERMES NEMOROSUS (HAVILAND) (TYPE COLONY), PHOTO-LITHOGRAPH FROM G.D. HAVILAND'S "OBSERVATIONS ON TERMITES" (1898).