

PRIMARY TYPE SPECIMENS OF THE MUSEUM ZOOLOGICUM
BOGORIENSE (IV) *)

by

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Class INSECTA
Order ISOPTERA
Family **Rhinotermitidae**
Genus **Prorhinotermes** SILVESTRI, 1909

Prorhinotermes ravani ROONWAL and MAITI.

Prorhinotermes ravani ROONWAL and MAITI, Treubia, vol. 27, 1966:
84, figs. 3, 4.

HOLOTYPE: ZSI (Zoological Survey of India) Reg. no. 4359/H8, a soldier, Sumberweringin, 700 m, near Bondowoso, in E. Java, July 26, 1952, Staff of the Forest Institute Bogor coll.

PARATYPE:

MZB. no. Iso, 056, 2 soldiers and 4 workers, Sumberweringin, near Bondowoso, E. Java, July 26, 1952, Staff of the Forest Institute Bogor coll.

Based on 5 soldiers and 12 workers, all from the type locality.

Family **Termitidae**
Genus **Microcerotermes** SILVESTRI, 1901

Microcerotermes dammermani ROONWAL and MAITI.

Microcerotermes dammermani ROONWAL and MAITI, Treubia, vol. 27, 1966: 93, figs. 5, 6.

HOLOTYPE: ZSI Reg. no. 4381/H8, a soldier, Durian, Riau Archipelago, June 12, 1923, DAMMERMAN coll.

PARATYPE:

MZB. no. Iso. 054, 3 soldiers and 10 workers, Durian, Riau Archipelago, June 12, 1923, DAMMERMAN coll.

Described from 8 soldiers and 20 workers, all from the type locality.

*) cf. Part I, Treubia, 26, 1964: 179-205.
Part II, Treubia, 26, 1965: 293-307.
Part III, Treubia, 27, 1966: 33-44.

Genus **Bulbitermes** EMERSON, 1949**Bulbitermes durianensis** ROONWAL and MAITI

Bulbitermes durianensis ROONWAL and MAITI, Treubia, vol. 27, 1966:
116, figs. 7, 8.

HOLOTYPE: ZSI Reg. no. 4373/H8, a soldier, Durian, Riau Archipelago, DAMMERMAN coll.

PARATYPE:

MZB. no. Iso. 053, 3 soldiers and 15 workers, Durian, Riau Archipelago, labelled without date, DAMMERMAN coll.

Described from 25 soldiers and 33 workers, all from the type locality.

Bulbitermes lakshmani ROONWAL and MAITI

Bulbitermes lakshmani ROONWAL and MAITI, Treubia, vol. 27, 1966:
123, figs. 9, 10.

HOLOTYPE: ZSI Reg. no. 4383/H8, a soldier, Peutjang island, near western tip of Java, December 9, 1963, M. L. ROONWAL coll.

PARATYPE:

MZB. no. Iso. 057, 10 soldiers and 10 workers, Peutjang island, Java, December 9, 1963, M. L. ROONWAL coll.

Based on 25 soldiers and 33 workers, all from the type locality.

Genus **Hospitalitermes** HOLMGREN, 1912**Hospitalitermes irianensis** ROONWAL and MAITI

Hospitalitermes irianensis ROONWAL and MAITI, Treubia, vol. 27, 1966:
131, figs. 11, 12.

HOLOTYPE: ZSI Reg. no. 4357/H8, a soldier, Meervlakte, Idenburg river, W. Irian (W. New Guinea), July 29, 1938, L. J. TOXOPEUS coll. (Neth. Ind.-Amer. New Guinea Exp. 1938-1939).

PARATYPE:

MZB. no. Iso. 055, 10 soldiers and 10 workers, Meervlakte, Idenburg river, W. Irian, July 29, 1938, L. J. TOXOPEUS coll.

Described from 23 soldiers and 2 workers, all from the type locality.

Order COLEOPTERA *)

Family Lycidae

Genus *Calochromus* GUÉRIN-MENEVILLE, 1833

Calochromus sondaicus KLEINE

Calochromus sondaicus KLEINE, Treubia, 9, 1927: 293, pl. 6, figs. 2, 6, 7, 9.

HOLOTYPE: R. KLEINE's collection, a specimen labelled "Holland-Indien" only, no further data available.

ALLOTYPE:

MZB. no. Col. 587, 1 ex., labelled "Holland-Indien" only, with no other data.

Described from 3 specimens (1 ♂ and 2 ♀).

Calochromus toxopei KLEINE

Calochromus toxopei KLEINE, Treubia, 17, 1939: 18, figs. 46, 47.

HOLOTYPE: repository not mentioned, a specimen from Tadjambu, 600-1000 m, near Palopo, C. Sulawesi, July 1936, L. J. TOXOPEUS coll.

PARATYPE:

MZB. no. Col. 586, 1 ex., Tadjambu, 600-1000 m, near Palopo, C. Sulawesi, July 1936, L. J. TOXOPEUS coll.

Based on many specimens collected from the type locality.

Genus *Cautires* WATERHAUSE, 1879

Cautires lucti KLEINE

Cautires lucti KLEINE, Stett. Ent. Zeit., 94, 1933: 8, figs. 52-53.

SYNTYPE:

MZB. no. Col. 871, 1 ex., Mt. Raung, Bajukidul, 450-700 m, E. Java, December 1931, H. LUCHT coll. (labelled as *Cotype*).

MZB. no. Col. 872, 1 ex., Nusa Kambangan Isl., June 19, 1932, F. C. DRESCHER coll.

*) cf. Treubia, 26, 1964: 188-198.
Treubia, 26, 1965: 301-307.
Treubia, 27, 1966: 40-44.

Described from 6 specimens (3 ♂ and 3 ♀) from the type locality. The locality of the specimen MZB no. Col. 872 was not mentioned in the description, but labelled as Cotype. None of the specimens being designated as holotype.

Cautires modulatus KLEINE

Cautires modulatus KLEINE, Treubia, 13, 1931: 262, fig. 12.

HOLOTYPE:

MZB. no. Col. 909, ♂, Mt. Bunder, Salak, 1200 m, W. Java, December 25, 1929, M. A. LIEFTINCK coll.

Described from a single specimen.

Genus **Cladophorus** GUÉRIN-MENEVILLE, 1830

Cladophorus karnyi KLEINE

Cladophorus karnyi KLEINE, Treubia, 13, 1931: 291, fig. 2.

HOLOTYPE:

MZB. no. Col. 117, ♀, Lake Toba, Brastagi, N. Sumatra, October 11, 1925, H. H. KARNY coll.

Described from a single specimen.

Cladophorus praecipuus KLEINE

Cladophorus praecipuus KLEINE, Nova Guinea (Zool.), 15, 1926: 188, fig. 5.

SYNTYPE:

MZB. no. Col. 118, 1 ex., Membramo river, Pionier Bivak, W. Irian, December 1920, W. C. VAN HEURN coll.

The description gives no details on the number of specimens examined. The specimens were collected from Idenburg River, Prauwen Bivak and Pionier Bivak, by W. C. VAN HEURN. No specimen being designated as holotype.

Genus **Dilophotes** KLEINE, 1931

Dilophotes monticola KLEINE

Dilophotes monticola KLEINE, Treubia, 13, 1931: 284, fig. 32.

HOLOTYPE: R. KLEINE's collection, ♀, Mt. Tangkubanprahu, 4000-5000 ft., W. Java, date not clearly designated in the description, F. C. DRESCHER coll.

SYNTYPE:

MZB. no. Col. 584, 1 ♀, Mt. Tangkubanprahu, 4000 - 5000 ft., W. Java, December 5, 1928, F. C. DRESCHER coll. (labelled as Cotype).

The description was based on 6 ♀ from the type locality. None of the specimen being designated as holotype.

Genus *Ditoneces* WATERHAUSE, 1879

Ditoneces acuticollus KLEINE

Ditoneces acuticollus KLEINE, Treubia, 13, 1931: 276, fig. 27.

SYNTYPE:

MZB. no. Col. 582, 1 ex., Mt. Tangkubanprahu, 4000 - 5000 ft., W. Java, October 17, 1928, F. C. DRESCHER coll. (labelled as Cotype).

Described from 3 specimens (1 ♂ and 2 ♀) from the type locality. None of them being designated as holotype.

Ditoneces diversesignatus KLEINE

Ditoneces diversesignatus KLEINE, Stett. Ent. Zeit., 94, 1933: 15, figs. 113 - 115.

SYNTYPE:

MZB. no. Col. 579, 2 ex., Mt. Raung, Bajukidul, 450 - 700 m, E. Java, February 1 - 20, 1932, H. LUCHT coll. (labelled as Cotype).

Based on 13 specimens (11 ♂ and 2 ♀), from Nusa Kambangan Isl., and Mt. Raung in E. Java. None of them being designated as holotype.

Ditoneces erythropterus KLEINE

Ditoneces erythropterus KLEINE, Treubia, 13, 1931: 276, fig. 27.

SYNTYPE:

MZB. no. Col., 577, 1 ex., Mt. Tangkubanprahu, 4000 - 5000 ft., W. Java, September 24, 1929, F. C. DRESCHER coll. (labelled as Cotype).

Based on 10 specimens (1 ♂ and 9 ♀) from Mt. Tangkubanprahu, W. Java and Mt. Slamet, Baturraden, C. Java, all collected by F. C. DRESCHER. No specimen being designated as holotype.

Ditoneces kembangus KLEINE

Ditoneces kembangus KLEINE, Stett. Ent. Zeit., 94, 1933: 16, figs. 120 - 122.

SYNTYPE:

MZB. no. Col. 111, 1 ex., Nusa Kambangan Isl., March 1-15, 1932, F. C. DRESCHER coll. (labelled as Cotype).

MZB. no. Col. 114, 1 ex., Mt. Slamet, Baturraden, C. Java, January 9, 1932, F. C. DRESCHER coll. (labelled as Cotype).

Described from 5 specimens (3 ♂ and 2 ♀) collected from Mt. Slamet, Baturraden and Nusa Kambangan Isl. by F. C. DRESCHER. No specimen being designated as holotype.

Ditoneces mundus KLEINE

Ditoneces mundus KLEINE, Treubia, 13, 1931: 288, fig. 36.

SYNTYPE:

MZB. no. Col. 113, 1 ♀, Mt. Tangkubanprahu, 4000-5000 ft., W. Java, March 11, 1930, F. C. DRESCHER coll. (labelled as Cotype).

Described from 2 ♀, collected from the type locality. None of them being designated as holotype.

Ditoneces nigrosuturalis KLEINE

Ditoneces nigrosuturalis KLEINE, Treubia, 13, 1931: 275, fig. 25.

SYNTYPE:

MZB. no. Col. 112, 1 ex., Mt. Tangkubanprahu, 4000-5000 ft., W. Java, September 12, 1928, F. C. DRESCHER coll. (labelled as Cotype).

Based on 3 specimens (2 ♂ and 1 ♀) from the type locality. None of them being designated as holotype.

Ditoneces postmaculatus KLEINE

Ditoneces postmaculatus KLEINE, Stett. Ent. Zeit., 94, 1933: 15, figs. 116-119.

SYNTYPE:

MZB. no. Col. 581, 1 ex., Mt. Raung, Bajukidul, 450-700 m, E. Java, November 12, 1931, F. C. DRESCHER coll. (labelled as Cotype).

The description was based on 8 specimens (1 ♂ and 7 ♀), all collected from the type locality by F. C. DRESCHER. No specimen being designated as holotype.

Ditoneces princeps KLEINE

Ditoneces princeps KLEINE, Treubia, 17, 1939: 18.

HOLOTYPE: repository not mentioned in the description, a specimen from Tondjambu, 600 - 1000 m, near Palopo, C. Sulawesi, July 1936, L. J. TOXOPEUS coll.

PARATYPE:

MZB. no. Col. 578, 1 ex., Tondjambu, 600 - 1000 m, near Palopo, C. Sulawesi, July 1936, L. J. TOXOPEUS coll.

The number of specimens examined was not given in the description.

Ditoneces sequestris KLEINE

Ditoneces sequestris KLEINE, Stett. Ent. Zeit., 94, 1933: 16, figs. 123.

SYNTYPE:

MZB. no. Col. 115, 1 ex., Mt. Raung, Bajukidul, 450 - 700 m, E. Java, January 5 - 21, 1932, H. LUCHT coll. (labelled as Cotype).

MZB, no. Col. 116, 1 ex., Mt. Raung, Bajukidul, 450 - 700 m, E. Java, November 12, 1931, F. C. DRESCHER coll. (labelled as Cotype).

The description was based on 8 specimens (3♂ and 5♀), all collected from the type locality. None of them being designated as holotype.

Genus **Flabellodilophotes** KLEINE, 1931

Flabellodilophotes dispar KLEINE

Flabellodilophotes dispar KLEINE, Treubia, 13, 1931: 284, fig. 31.

SYNTYPE:

MZB. no. Col. 583, 1 ex., Mt. Tangkubanprahu, 4000 - 5000 ft., W. Java, September 27, 1928, F. C. DRESCHER coll. (labelled as Cotype).

Based on 3 specimens (1♂ and 2♀), from the type locality. No specimen being designated as holotype.

Genus **Leptotrichalus** KLEINE, 1925

Leptotrichalus javanus KLEINE

Leptotrichalus javanus KLEINE, Treubia, 9, 1926: 313, pl. 7, fig. 70, pl. 8, fig. 113.

HOLOTYPE: repository, date, and collector specifically not mentioned in the description, a specimen from Tjibodas, 1400 - 1500 m, W. Java.

PARATYPE:

MZB. no. Col. 108, 2 ex., Tjibodas, 1400 m, W. Java, August, 1921,
collector unknown.

Described from 6 specimens (2♂ and 4♀), all from the type locality.

Leptotrichalus pullus KLEINE

Leptotrichalus pullus KLEINE, Treubia, 9, 1926: 313, pl. 7, fig. 71.

HOLOTYPE: R. KLEINE's collection, ♀, Mt. Pangerango, 2400 m, W. Java, date and
collector specifically not mentioned.

PARATYPE:

MZB. no. Col. 107, 1♀, Mt. Pangerango, 2400 m, W. Java, June 1920,
collector unknown.

Described from 2 females.

Genus **Libnetis** WATERHAUSE, 1878**Libnetis tumidus** KLEINE

Libnetis tumidus KLEINE, Treubia, 13, 1931: 282, fig. 29.

HOLOTYPE:

MZB. no. Col. 585, ♂, Idjen Plateau, Ongop-Ongop, 1850 m, E. Java,
May 1924, K. W. DAMMERMAN coll.

Described from a single specimen.

Genus **Metriorrhynchus** GUÉRIN-MENEVILLE, 1838**Metriorrhynchus fuliginosus** KLEINE

Metriorrhynchus fuliginosus KLEINE, Nova Guinea (Zool.), 15, 1926:
409, fig. 1.

HOLOTYPE:

MZB. no. Col. 121, 1♂, Kaimana, West Irian, September 30, 1923,
H. A. VAN MECKLENBURG coll.

Described from a single specimen.

Metriorrhynchus engganicus KLEINE

Metriorrhynchus engganicus KLEINE, Treubia, 17, 1939: 5.

HOLOTYPE: RMNH, ♀, Enggano Isl., May-July 1936, Dr J. K. DE JONG coll.

PARATYPE:

MZB. no. Col. 122, 8♀, Enggano Isl., May-July 1936, Dr J. K. DE
JONG coll.

The description was based on 15 specimens, all from Enggano Isl.

Genus *Plateros* BOURGEOIS, 1879

Plateros siccus BOURGEOIS

Plateros siccus BOURGEOIS, Stett. Ent. Zeit., 94, 1933: 14, fig. 108-110.

HOLOTYPE: R. KLEINE's collection, ♂, Mt. Raung, Bajukidul, 450 - 700 m, E. Java, date was not mentioned in the description, F. C. DRESCHER & H. LÜCHT coll.

PARATYPE:

MZB. no. Col. 110, 1 ♂, Mt. Raung, Bajukidul, 450 - 700 m, E. Java, February 1 - 20, 1932, F. C. DRESCHER coll. (labelled as Cotype).
Described from 3 females, from the type locality.

Genus *Protaphes* KLEINE, 1926

Protaphes incarnatus KLEINE

Protaphes incarnatus KLEINE, Treubia, 13, 1931: 251, fig. 4.

SYNTYPE:

MZB. no. Col. 870, 1 ♀, Mt. Tangkubanprahu, 4000 - 5000 ft., W. Java, June 10, 1929, F. C. DRESCHER coll. (labelled as Cotype).

Described from 3 females, from the type locality. None of them being designated as holotype.

Genus *Trichalus* WATERHAUSE, 1877

Trichalus nothus KLEINE

Trichalus nothus KLEINE, Stett. Ent. Zeit., 94, 1933: 12, figs. 92 - 94.

HOLOTYPE:

MZB. no. Col. 120, a specimen from Sibolga, N. Sumatra, October 16, 1925, FULMEK and KARNY coll.

The description gives no details on the number of specimens examined.

Genus *Xylobanus* WATERHAUSE, 1879

Xylobanus torridus KLEINE

Xylobanus torridus KLEINE, Treubia, 13, 1931: 287, fig. 35.

SYNTYPE:

MZB. no. Col. 910, 1 ex., Banjumas, Djeruklegi, January 9, 1930, F. C. DRESCHER coll. (labelled as Cotype).

Based on 4 specimens (1 ♂ and 3 ♀) all from the type locality. None of them being designated as holotype.