

A SKELETON OF A NEW ARRANGEMENT OF THE FAMILIES,
SUBFAMILIES, TRIBES AND GENERA OF THE ANTS,
OR THE SUPERFAMILY FORMICOIDEA.

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Of the *ten* superfamilies recognized in my classification of the Hymenoptera, all have been classified down to genera except the Ants, or superfamily IV, Formicoidea, a very large and most difficult complex, and rendered even more difficult by the extraordinary number and diversity of the sexes, there being sometimes several different forms to a single species.

It has now been several years since I began working on this great complex to bring it in harmony with the other superfamilies classified, and my labours are nearly completed, as I only await the arrival of certain exotic genera to perfect some of the generic tables. The work fills several hundred pages of manuscript, and will make a large volume in itself, too large to be published in any entomological journal or magazine, and as the completed work cannot be published before next year, I desire to put on record a skeletonized epitome of the arrangement, selecting for that purpose the CANADIAN ENTOMOLOGIST, in which the classification of other of the superfamilies were published.

It will be noticed that I recognize as valid genera nearly all of the subgenera of Mayr, Forel and Emery, and that I restore the genera *Monacis*, Roger, and *Hypoclinea*, Mayr, suppressed by Emery and Forel as synonyms of *Dolichoderus*, Lund. All three are good genera. *Dolichoderus*, Lund, is not found in the United States, and our species so-called belong to *Hypoclinea*, Mayr. *Monacis*, Roger, I know only from Mexico.

Superfamily IV.—FORMICOIDEA.

Family XLIII.—*Dorylidae*.

Subfamily I.—*Ecitoninae*.

Tribe I.—*Ecitonini*. Genera: *Eciton*, Latr.; *Acamatus*, Emery; and *Mayromyrmex*, Ashm., n. g. (Type *Labidus Fargeaudi*, Shuck., So. Am.); also *L. morosus*, Smith, Mex.

Tribe II.—*Ænictini*. Genera: *Ænictus*, Shuck., and *Ooceraca*, Roger.

Subfamily II.—*Dorylinae*.

Tribe I.—*Ænictogitonini*. Genus *Ænictogiton*, Emery.

Tribe II.—*Dorylini*. Genera: *Alaopone*, Emery; *Rhogmus*, Shuck.; *Dichthadia*, Gerst.; *Typhlapone*, Westw.; *Dorylus*, Fabr.; ?*Sphinctomyrmex*, Mayr; *Shuckardia*, Emery; *Probolomyrmex*, Mayr; *Cheliomyrmex*, Mayr.

Subfamily III.—*Acanthostichinæ*.

Genera: *Acanthostichus*, Mayr, and *Ctenopyga*, Ashm., new genus; type *C. Townsendi*, Ashm., from Mexico.

Family XLIV.—*Ponerida*.Subfamily I.—*Ponerinæ*.

Tribe I.—*Onychomyrmicini*. Genus *Onychomyrmex*, Emery.

Tribe II.—*Ceropachyini*. Genera: *Phyracaces*, Emery; *Cerapachys*, Smith; *Parasychia*, Emery; *Sycia*, Roger; *Cystias*, Emery.

Tribe III.—*Proceratiini*. Genera: *Discothyrea*, Roger; *Sysphincta*, Roger; *Proceratium*, Roger; *Prionopelta*, Mayr.

Tribe IV.—*Ponerini*. Genera: *Centromyrmex*, Mayr; *Trapeziopelta*, Mayr; *Myopias*, Mayr; *Cryptopone*, Emery; *Rhopalopone*, Emery; and *Ponera*, Latr.

Tribe V.—*Leptogenyini*. Genera: *Prionogenys*, Emery; *Leptogenys*, Roger; *Lobopelta*, Mayr; and *Simopone*, Forel.

Subfamily II.—*Pachycondylinæ*.

Tribe I.—*Lioponerini*. Genus *Lioponera*, Mayr.

Tribe II.—*Amblyoponini*. Genera: *Myopopone*, Roger; *Mystrium*, Roger; *Emeryella*, Forel; *Stigmatomma*, Roger; *Amblyopone*, Erichson.

Tribe III.—*Cylindromyrmicini*. Genera: *Cylindromyrmex*, Mayr, and *Thaumatomyrmex*, Mayr.

Tribe IV.—*Pachycondyliini*. Genera: *Psalidomyrmex*, André; *Plectroctena*, Smith; *Odontoponera*, Mayr; *Diacamma*, Mayr; *Bothropone*, Mayr; *Ectomyrmex*, Mayr; ? *Heteroponera*, Mayr; *Belonopelta*, Mayr; *Pseudoponera*, Emery; *Pergandea*, Ashm., n. g. (So. Am.); *Brachyponera*, Emery; *Mesoponera*, Emery; *Pachycondyla*, Smith; *Neoponera*, Emery; *Ophthalmoponera*, Mayr; and *Titusia*, Ashm., n. g. (So. Am.).

Tribe V.—*Ectatommini*. Genera: *Platythyrea*, Mayr; *Alfaria*, Emery; (? = *Mictoponera*, Forel); *Stictoponera*, Mayr; *Ectatomma*, Smith; *Gnamptogenys*, Roger; *Acanthoponera*, Mayr; *Paraponera*, Smith; *Holcoponera*, Mayr; *Rhytidoponera*, Mayr; *Chalcopyonera*, Emery; *Streblognathus*, Mayr; *Dinoponera*, Roger; *Paltothyreus*, Mayr; and *Megaponera*, Mayr.

Tribe VI.—*Drepanognathini*. Genus *Drepanognathus*, Smith.

Subfamily III.—*Myrmeciinæ*.

Genus *Myrmecia* Fabricius.

Family XLV.—*Odontomachida*.

Genera: *Odontomachus*, Latr.; *Champomyrmex*, Emery; *Anochetus*, Mayr; and *Stenomyrmex*, Mayr.

Family XLVI.—*Myrmicidae*.

Subfamily I.—Pseudomyrminae.

Genera: *Sima*, *Roger*, and *Pseudomyrma*, *Lund*.

Subfamily II.—Myrmicinae.

Tribe I.—Myrmicini. Genera: *Acanthomyrmex*, *Emery*; *Pogonomyrmex*, *Mayr*; *Cratomyrmex*, *Emery*; *Janetia*, *Forel*; *Ephebomyrmex*, *Wheeler*; *Myrmica*, *Latreille*; *Megalomyrmex*, *Forel*; *Holcomyrmex*, *Mayr*; *Ischnomyrmex*, *Mayr*; *Xiphomyrmex*, *Mayr*; *Messor*, *Forel*; *Gonomyrmex*, *Emery*; *Pheidole*, *Westw.*; *Dichothorax*, *Emery*; *Hypopheidole*, *Ashm.*, n. g.; *Trigonogaster*, *Forel*; *Oxyopomyrmex*, *André*; *Lophomyrmex*, *Emery*; and *Pristomyrmex*, *Mayr*.

Tribe II.—Tetramoriini. Genera: *Triglyphothrix*, *Forel*; *Rogeria*, *Emery*; *Eutetramorium*, *Emery*; *Tetramorium*, *Mayr*; *Strongylognathus*, *Mayr*; *Dacryon*, *Forel*; *Monomorium*, *Mayr*; and *Ochetomyrmex*, *Mayr*.

Tribe III.—Crematogasterini. Genera: *Cremastogaster*, *Lund*, and *Oxygyne*, *Forel*.

Tribe IV.—Solenopsidini. Genera: *Pheidologeton*, *Smith*; *Solenopsis*, *Westwood*; and *Æromyrmex*, *Forel*.

Tribe V.—Myrmecariini. Genera: *Carebara*, *Westwood*, and *Myrmecaria*, *Saunders*.

Tribe VI.—Melissotarsini. Genus *Melissotarsus*, *Emery*.

Tribe VII.—Myrmecini. Genera: *Myrmecina*, *Curtis*, and *Podomyrma*, *Smith*.

Tribe VIII.—Stenammini. Genera: *Atopomyrmex*, *André*; *Cardiocondyla*, *Emery*; *Epæcus*, *Emery*; *Adelomyrmex*, *Emery*; *Phacota*, *Roger*; *Erebomyrmex*, *Wheeler*; *Diplomorium*, *Mayr*; *Allomerus*, *Mayr*; *Oligomyrmex*, *Mayr*; *Macromischa*, *Roger*; *Rhoptromyrmex*, *Mayr*; *Tranopelta*, *Mayr*; *Vollenchovia*, *Mayr*; *Xenomyrmex*, *Mayr*; *Harpagoxenus*, *Forel* (= *Tomognathus*, *Mayr*); *Symmyrmica*, *Wheeler*; *Formicoxenus*, *Mayr*; *Stereomyrmex*, *Mayr*; *Stenamma*, *Westw.*; *Leptothorax*, *Mayr*; *Wasmannia*, *Forel*; ? *Liomyrmex*, *Mayr*; *Leptanilla*, *Emery*; *Epipheidole*, *Wheeler*; *Sympheidole*, *Wheeler*; and *Huberia*, *Forel*.

Family XLVII.—*Cryptoceridae*.

Subfamily I.—Attinæ.

Genera: *Atta*, *Fabr.*; *Acromyrmex*, *Mayr*; *Trachymyrmex*, *Mayr*; *Sericomyrmex*, *Mayr*; *Myrmicocryptus*, *Smith* (= *Glyptemyrmex*, *Forel*); and *Apterostigma*, *Mayr*.

Subfamily II.—Dacetonini.

Genera: *Daceton*, *Perty*; *Acanthognathus*, *Mayr*; *Mycocepurus*, *Forel*; *Orectognathus*, *Smith*; *Epitritus*, *Emery*; *Strumigenys*, *Smith*; *Epopostrum*, *Forel*; *Rhopalothrix*, *Mayr*; *Cyphomyrmex*, *Mayr*; and *Ceratobasis*, *Smith*.

Subfamily III.—Cryptocerinae.

Genera: Procryptocerus, Emery; Cryptocerus, Latr.; and Zacryptocerus, Ashm., n. g. (type *Cryptocerus multistrigus*, Sm.)

Subfamily IV.—Cataulacinae.

Genera: Otomyrmex, Forel; Cataulacus, Smith; Calyptomymex, Emery; and Meranoplus, Smith.

Family XLVIII.—*Dolichoderida*.

Genera: Monacis, Roger; Hypoclinea, Roger; Aneuretus, Emery; Dolichoderus, Lund; Leptomymex, Mayr; Turneria, Forel; Bothriomyrmex, Mayr; Forelius, Emery; Tapinomma, Forster; Dorymymex, Mayr; Iridomyrmex, Mayr; Liometopum, Mayr; Linepithema, Mayr; and Azteca, Forel.

Family XLIX.—*Formicida*.

Subfamily I.—Gesomyrmicinae.

Tribe I.—Myrmoteratini. Genus *Myrmoteras*, Forel.

Tribe II.—Gigantiopini. Genus *Gigantiops*, Roger.

Tribe III.—Gesomyrmicini. Genera: *Gesomyrmex*, Mayr, and *Dimorphomyrmex*, André.

Subfamily II.—Camponotinae.

Tribe I.—Æcophyllini. Genus *Æcophylla*, Smith.

Tribe II.—Polyrhachidini. Genera: *Echinopla*, Smith; *Hemioptica*, Roger; and *Polyrhachis*, Smith.

Tribe III.—Camponotini. Genera: *Opisthopsis*, Emery; *Tanæmymex*, Ashm., n. g. (type *Formica longipes*, Gerst.); *Mayria*, Forel; *Calobopsis*, Mayr; *Camponotus*, Mayr; *Dinomymex*, Ashm., n. g. (type *Formica gigas*, Latr.); *Rhinomyrmex*, Forel; *Orthonotus*, Ashm., n. g. (type *Formica sericea*, Fabr.); *Calomyrmex*, Emery; and *Dendromymex*, Emery.

Subfamily III.—Formicinae.

Tribe I.—Plagiolepidini. Genera: *Notoncus*, Emery; *Prenolepis*, Mayr; ? *Mesoxena*, Smith; *Acantholepis*, Mayr; *Acropyga*, Roger; *Plagrolepis*, Mayr; *Myrmelachista*, Roger; *Brachymymex*, Mayr; *Aphomyrmex*, Emery.

Tribe II.—Lasini. Genera: *Proformica*, Ruszky; *Melophorus*, Lubbock; *Lasius*, Fabricius; and *Acanthomyrmex*, Mayr.

Tribe III.—Formicini. Genera: *Myrmecocystus*, Wesmæl; *Formica*, Linné; and *Polyergus*, Latreille.