

THE TYPES OF PROCTOTRUPOIDEA  
(HYMENOPTERA) IN THE CHARLES T. BRUES  
COLLECTION AT THE MUSEUM OF COMPARATIVE  
ZOOLOGY

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During a two week visit to the Museum of Comparative Zoology in June, 1964, I examined the types of 60 species of Proctotrupeoidea described by Charles T. Brues. These belonged to the following families: 21 Proctotrupidae, 7 Diapriidae, 13 Scelionidae, 15 Platygasteridae, and 4 Ceraphronidae. In the present report a number of lectotypes are selected, some new combinations are suggested, and an account of the state of preservation of all types listed is given. The names and synonymy used in this paper are those proposed by Masner and Muesebeck (Supplement 2, Hymenoptera of America north of Mexico. United States Department of Agriculture, in press). The taxonomic categories subfamily and tribe are not used in the present paper; the genera and species are arranged alphabetically throughout the families. Under each species are listed the various labels on the type specimen, from top to bottom, each "label" being separated by a semicolon. Specimens are glued to card points except when specifically mentioned as pinned (on minuten nadeln).

Family PROCTOTRUPIDAE

*Codrus* Panzer, 1801

*Codrus angusticeps* (Brues)

*Proctotrypes angusticeps* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 7: 112. Mt. Constitution, Jul. 09, Wash.; Type; MCZ type label; *Exallonyx angusticeps* Brues

Holotype female No. 31002, well preserved. Unique.

*Codrus ashmeadi* (Brues)

*Exallonyx ashmeadi* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 10, 13.

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Machias, Me., VII-20-09, C. W.; MCZ type label; *Exallonyx ashmeadi* Brues

Holotype male No. 31006, well preserved. Three paratype males.

*Codrus carinatus* (Brues)

*Exallonyx carinatus* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 11, 15.

Oroville, Wash., May 1, 1912; Type; MCZ type label; *Exallonyx carinatus* Brues

Holotype male No. 30993, well preserved. Unique.

*Codrus fuscicornis* (Brues)

*Exallonyx fuscicornis* Brues 1919. N. Y. Ent. Soc. Jour. 27: 10, 12.

Woods Hole, Mass.; Type; MCZ type label; *Exallonyx fuscicornis* Brues

Holotype male No. 31005, well preserved. Unique.

*Codrus grandis* (Brues)

*Exallonyx grandis* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 11, 17.

Ramsey, N. J.; VIII-22-9; Type; MCZ type label; *Exallonyx grandis* Brues

Holotype female No. 31010, well preserved. Unique.

*Codrus obscuripes* (Brues)

*Proctotrypes obscuripes* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 7: 112, 114.

Mt. Constitution, Jul. 09, Wash.; Type; MCZ type label; *Exallonyx obscuripes* Brues

Holotype male No. 31007, well preserved. One paratype male + documentary specimens.

*Codrus pallidicornis* (Brues)

*Exallonyx pallidicornis* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 11, 14.

Putnam Ct., 12 July 1905, HL Viereck; Type; MCZ type label; *Exallonyx pallidicornis* Brues

Holotype male No. 30994, well preserved. Two paratype males.

*Codrus parvulus* (Brues)

*Exallonyx parvulus* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 11, 16.

Oroville, Wash., I-IV, Melander; Type; MCZ type label; *Exallonyx parvulus* Brues

Holotype male No. 30992, left antenna after 9th segment off. Eleven paratype males.

*Codrus placidus* (Brues)

*Proctotrypes placidus* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 7: 112, 113.

Mt. Constitution, Jul. 31-8, Wash.; Type; MCZ type label; *Exallonyx placidus* Brues

Holotype male No. 31004, well preserved. Unique.

*Codrus pleuralis* (Brues)

*Exallonyx pleuralis* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 10, 14.

Type; MCZ type label; *Exallonyx pleuralis* Brues

Holotype male No. 30991, well preserved. Two paratype males.

*Codrus serricornis* (Brues)

*Proctotrypes serricornis* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 7: 112, 115.

Puget Sound, Wash., Jul. 08; Type; MCZ type label; *Exallonyx serricornis* Brues

Holotype male No. 31009, right antenna after 6th segment and left antenna after 3rd segment missing. Two paratype males.

*Codrus similis* (Brues)

*Exallonyx similis* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 10, 11.

Tacoma, Wash., 28-VIII-11; Type; MCZ type label; *Exallonyx similis* Brues

Holotype female No. 31003. Four paratype females.

*Codrus simplicior* (Brues)

*Proctotrupes simplicior* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 7: 112, 116.

Puget Sound, Wash., Jul. 08; Type; MCZ type label; *Exallonyx simplicior* Brues

Holotype male No. 30990, right antenna after 7th segment missing, left antenna and wings missing, legs and gaster glued separately to card point. Unique (!).

*Cryptoserphus* Kieffer, 1907

*Cryptoserphus melanderi* Brues

*Cryptoserphus melanderi* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 8.

Pullman, Wash., V-18-09; Type; MCZ type label; *Cryptoserphus melanderi* Brues

Holotype male No. 31000, well preserved. Two paratype males.

*Cryptoserphus occidentalis* Brues

*Cryptoserphus occidentalis* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 7.

Chatcolet Lake, Idaho, VIII-1915, A. L. Melander; Type; MCZ type label; *Cryptoserphus occidentalis* Brues

Holotype female No. 30999, left antenna missing after 2nd segment. Four paratype females.

*Nothoserphus* Brues, 1940

*Nothoserphus mirabilis* Brues

*Notroserphus mirabilis* Brues, 1940. Amer. Acad. Arts Sci. Proc. 73: 263.

Taihorin, Formosa, H. Sauter, 1911; 7. VII; MCZ type label; *Nothoserphus mirabilis* Brues

Holotype male No. 29789, left antenna broken after 3rd segment, but remainder glued to mount; right antenna missing after 9th segment (pinned). One paratype male.

*Phaenoserphus* Kieffer, 1908

*Phaenoserphus longipes* Brues

*Phaenoserphus longipes* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 9.

Almota, Wash., 24-VI, Melander; Type; MCZ type label; *Phaenoserphus longipes* Brues

Holotype male No. 31001, well preserved. Unique.

*Proctotrupes* Latreille, 1796

*Proctotrupes cockerelli* (Brues)

*Serphus cockerelli* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 3, 4.

Eldora, Colo., Aug. 18 (Cockerell); Type; MCZ type label; *Serphus cockerelli* Brues

Holotype male No. 30997, well preserved (pinned). Unique.

*Proctotrupes debilis* (Brues)

*Serphus debilis* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 3, 5.  
Wawai, Wash., 20-V-11; Type; MCZ type label; *Serphus debilis* Brues  
Holotype male No. 30998, well preserved. Unique.

*Proctotrupes sequoiarum* (Brues)

*Serphus sequoiarum* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 3, 4.  
Muir Woods, VIII-7-15, Cal., A. L. Melander; Type; MCZ type label;  
*Serphus sequoiarum* Brues

Holotype male No. 30996, left antenna after 8th segment off, left  
front leg after coxa missing. Unique.

*Proctotrupes zabriskiei* (Brues)

*Serphus zabriskiei* Brues, 1919. N. Y. Ent. Soc. Jour. 27: 2, 3.  
Rochester, N. Y., J. L. Zabriskie, 10. VI. 1905; Type; MCZ type label;  
*Serphus zabriskiei* Brues

Holotype female No. 30995, left antenna after 8th segment off.  
Unique.

## Family DIAPRIIDAE

*Auxopaedeutes* Brues, 1903*Auxopaedeutes lyriformis* Brues

*Auxopaedeutes lyriformis* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 8: 82.  
Forest Hills, Mass., V-16-1910; MCZ type label; *Auxopaedeutes lyri-*  
*formis* Brues Type

Holotype female No. 31027, well preserved. Unique.

*Entomacis* Foerster, 1856*Entomacis ambigua* (Brues)

*Hemilexodes ambigua* Brues, 1903. Amer. Ent. Soc. Trans. 29: 126.  
Nest *Stenamamma fulvum piceum*, Colebrook, 8.25.01; Type; MCZ type  
label; lectotype selected by L. Masner, 1964; *Hemilexodes ambigua* Brues

Lectotype female No. 31021, well preserved. Two additional fe-  
males (paralectotypes).

*Hoplopria* Ashmead, 1893*Hoplopria grandis* Brues

*Hoplopria grandis* Brues, 1915. Psyche 22: 11.  
Porto Velho, Rio Madeira, Brazil, Mann & Baker; Type; MCZ type  
label; *Hoplopria grandis* Brues ♀ type

Holotype female No. 31022, well preserved. Unique.

*Psilus* Panzer, 1801*Psilus debilis* (Brues) comb. n.

*Galesus debilis* Brues, 1915. Psyche 22: 12.  
Independencia, Parahyba, Brazil, Mann & Heath; Type; MCZ type label;  
*Galesus debilis* Brues ♀ type

Holotype female No. 31025, well preserved. Unique.

*Trichopria* Ashmead, 1893*Trichopria acutiventris* (Brues)

*Phaenopria acutiventris* Brues, 1902. Amer. Nat. 36: 372.

Austin, Tex., 3.01; Type; MCZ type label; in nest *Eciton caecum*;  
*Phaenopria acutiventris* Brues

Holotype female No. 31026, well preserved. Unique.

*Xanthopria* Brues, 1915

*Xanthopria nitida* Brues

*Xanthopria nitida* Brues, 1915. Psyche 22: 11.

Independencia, Parahyba, Brazil, Mann & Heath; Type; MCZ type label; *Xanthopria nitida* Brues ♀ type

Holotype female No. 31024, well preserved. Two paratype females (!).

*Xanthopria opaca* Brues

*Xanthopria opaca* Brues, 1915. Psyche 22: 10.

Independencia, Parahyba, Brazil, Mann & Heath; Type; MCZ type label; *Xanthopria opaca* Brues ♀ type

Holotype female No. 31023, well preserved. Two paratype females.

#### Family SCELIONIDAE

*Calotelea* Westwood, 1837

*Calotelea parvipennis* Melander et Brues

*Calotelea* (!) *parvipennis* Melander et Brues, 1903. Biol. Bul. 5: 22.

Woods Hole, Mass.; *Halictus*; Type; MCZ type label; *Calotelea parvipennis* Melander et Brues type

Holotype female No. 31014, right antenna after 7th segment and left antenna after 6th segment off. Unique (!).

*Gryon* Haliday, 1833

*Gryon robustus* (Brues)

*Hadronotus robustus* Brues, 1907. Wis. Nat. Hist. Soc. Bul. 5: 156.

Austin, Tex.; Type; MCZ type label; *Hadronotus robustus* Brues

Holotype female No. 31017, well preserved. Unique.

*Lepidoscelio* Kieffer, 1905

*Lepidoscelio viatrix* Brues

*Lepidoscelio viatrix* Brues, 1917. Nat. Acad. Sci. Proc. 3: 139.

MCZ type label; *Lepidoscelio viatrix* Brues, type

Holotype female No. 31018. Two paratype females ("On an *Orthacris* sp. det Uvarov").

*Macroteleia* Westwood, 1835

*Macroteleia caerulea* (Brues) comb. n.

*Cacellus caeruleus* Brues, 1918. Mus. Comp. Zool. Harv. Bul. 62: 122.

Graciosa Bay, Santa Cruz Is., W. M. Mann '16; MCZ type label; *Cacellus caeruleus* Brues

Holotype female No. 9070, well preserved. Unique.

Classified in *Macroteleia* with some doubts.

*Macroteleia herbigrada* Brues

*Macroteleia herbigrada* Brues, 1915. Psyche 22: 7.

Independencia, Parahyba, Brazil, Mann and Heath; Type; MCZ type label; *Macroteleia herbigrada* Brues, type ♂

Holotype male No. 31016, right antenna after 6th segment off. Unique.

*Macroteleia pallipes* (Brues) comb. n.

*Hoploleleia pallipes* Brues, 1915. Psyche 22: 8.

Para, Brazil, W. M. Mann; Type; MCZ type label; *Hoploleleia pallipes* Brues, type ♂

Holotype male No. 31013, well preserved. Unique.

Classified in *Macroteleia* Westwood with some doubts.

*Paridris* Kieffer, 1908

*Paridris nigricornis* (Brues)

*Idris nigricornis* Brues, 1903. Amer. Ent. Soc. Trans. 29: 125.

Mixed nest Myr. Lep., Colebrook, 9-10-01; MCZ type label; lectotype selected by L. Masner, 1964; *Idris nigricornis* Brues, types (!).

Lectotype male No. 31016, left antenna after 8th segment off. Two paralectotype males.

*Scelio* Latreille, 1805

*Scelio nitens* Brues

*Scelio nitens* Brues, 1906. Wis. Nat. Hist. Soc. Bul. 4: 110.

Type; Algoa Bay, Capland, 29.11.96, Dr. H. Brauns; MCZ type label; lectotype selected by L. Masner, 1964; *Scelio nitens* Brues

Lectotype female No. 31019, well preserved. Two paralectotype females (!) (? conspecific with lectotype).

*Scelio pulchripennis* Brues

*Scelio pulchripennis* Brues, 1906. Wis. Nat. Hist. Soc. Bul. 4: 109.

Type: Algoa Bay, Capland, 22.1.96, Dr. Brauns; MCZ type label; *Scelio pulchripennis* Brues

Holotype female No. 31020, well preserved. Unique (!).

*Scelio setiger* Brues

*Scelio setiger* Brues, 1918. Mus. Comp. Zool. Harv. Bul. 62: 121.

Ugi, British Solomon Is., W. M. Mann; MCZ type label; *Scelio setiger* Brues

Holotype female No. 9069, well preserved.

*Telenomus* Haliday, 1833

*Telenomus fiskei* Brues

*Telenomus fiskei* Brues, 1910. Psyche 17: 106.

Machias, Me., Aug. 20, 1909; Type; MCZ type label; *Telenomus fiskei* Brues

Holotype female No. 31011, right antenna missing. Unique (!).

*Telenomus heracleicola* Brues

*Telenomus heracleicola* Brues, 1906. Wis. Nat. Hist. Soc. Bul. 45: 143, 146.

Wash. Exp. Sta. No. 026; Type; MCZ type label; lectotype selected by L. Masner, 1964; *Telenomus heracleicola* Brues

Lectotype female No. 31012, well preserved (pinned). One paralectotype female (!).

*Trimorus* Foerster, 1856

*Trimorus fortis* (Brues) comb. n.

*Hoplogryon fortis* Brues, 1915. *Psyche* 22: 6.

Independencia, Parahyba, Brazil, Mann & Heath; Type; MCZ type label;

*Hoplogryon fortis* Brues ♂ type

Holotype male No. 30987, well preserved. Unique.

Family PLATYGASTERIDAE

*Fidiobia* Ashmead, 1895

*Fidiobia tritici* (Brues)

*Rosnetta tritici* Brues, 1908. *Wis. Nat. Hist. Soc. Bul.* 6: 157.

Middleport, N. Y., 1908; Type; MCZ type label; *Rosnetta tritici* Brues

Holotype female No. 300, missing from the card point (fore wing only left). Unique.

*Gastrotrypes* Brues, 1922

*Gastrotrypes caudatus* Brues

*Gastrotrypes caudatus* Brues, 1922. *Amer. Acad. Arts Sci. Proc.* 57: 272.

Forest Hills, Mass., 5,1916; MCZ type label; lectotype selected by L. Masner, 1964; *Gastrotrypes caudatus* Brues, types (!)

Lectotype female No. 31041, well preserved. 16 paralectotype females.

*Gastrotrypes spatulatus* Brues

*Gastrotrypes spatulatus* Brues, 1922. *Amer. Acad. Arts Sci. Proc.* 57: 271.

Kartabo, B. G., Jul. Aug. 1920, W. M. Wheeler; MCZ type label; lectotype selected by L. Masner, 1964; *Gastrotrypes spatulatus* Brues

Lectotype female No. 31040, well preserved. Two paralectotype females.

*Isostasius* Foerster, 1856

*Isostasius crassus* Brues

*Isostasius crassus* Brues, 1922. *Amer. Acad. Arts Sci. Proc.* 57: 277.

Kartabo, B. G., Jul. Aug. 1920, W. M. Wheeler; MCZ type label; *Isostasius crassus* Brues, type

Holotype female No. 31030, well preserved. Two paratype females.

*Platygaster* Latreille, 1809

*Platygaster anormis* (Brues)

*Aneuron anormis* Brues, 1910. *Wis. Nat. Hist. Soc. Bul.* 8: 49.

Albany, N. Y., IV-18, 1908; MCZ type label; lectotype selected by L. Masner, 1964; *Aneuron anormis* Brues

Lectotype male No. 31039, left antenna after 4th segment missing. Four paralectotype males and one paralectotype female.

*Platygaster carinifrons* (Brues) comb. n.

*Polygnotus carinifrons* Brues, 1910. *Broteria* 9: 155.

MCZ type label; lectotype selected by L. Masner, 1964; *Polygnotus carinifrons* Brues

Lectotype male (!) No. 31034, well preserved. Three paralectotype males but no female.

*Platygaster coronatus* (Brues) comb. n.

*Polygnotus coronatus* Brues, 1910. Broteria 9: 154.

MCZ type label; lectotype selected by L. Masner, 1964; *Polygnotus coronatus* Brues

Lectotype female No. 31035, well preserved. Three paralectotype males.

*Platygaster latescens* (Brues) comb. n.

*Polygnotus latescens* Brues, 1910. Broteria 9: 156.

MCZ type label; lectotype selected by L. Masner, 1964; *Polygnotus latescens* Brues

Lectotype female No. 31036, well preserved. Three paralectotype females.

*Platygaster mediocris* (Brues) comb. n.

*Polygnotus mediocris* Brues, 1910. Broteria 9: 157.

MCZ type label; lectotype selected by L. Masner, 1964; *Polygnotus mediocris* Brues

Lectotype female No. 31037, well preserved. Three paralectotype males.

*Platygaster noveboracensis* (Brues)

*Eritrissomerus noveboracensis* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 8: 48.

Albany, N. Y., IV. 5, 1907; Type; MCZ type label; lectotype selected by L. Masner, 1964; *Eritrissomerus noveboracensis* Brues, types (!)

Lectotype male No. 31038, well preserved. Two paralectotype males.

*Platygaster simplex* (Brues) comb. n.

*Polygnotus simplex* Brues, 1922. Amer. Acad. Arts Sci. Proc. 57: 257.

#b; MCZ type label; lectotype selected by L. Masner, 1964; *Polygnotus simplex* Brues

Lectotype female No. 31032, well preserved. Two paralectotype females (!).

*Platygaster tubulosa* Brues

*Platygaster tubulosa* Brues, 1922. Amer. Acad. Arts Sci. Proc. 57: 276.

MCZ type label; *Platygaster tubulosa* Brues, type

Holotype female No. 31033, well preserved. Two paratype females.

*Sceliotrachelus* Brues, 1908

*Sceliotrachelus braunsi* Brues

*Sceliotrachelus braunsi* Brues, 1908. Genera Insectorum, fasc. 80: 13.

Algoa Bay, Capland, Dr. Brauns; MCZ type label; *Sceliotrachelus braunsi* Brues, type

Holotype male (!) No. 30989, right antenna after 7th segment off (pinned). One paratype male.



*Synopeas* Foerster, 1856

*Synopeas minor* (Brues)

*Polymecus (Dolichotrypes) minor* Brues, 1922. Amer. Acad. Arts Sci. Proc. 57: 268.

Kartabo, B. G., Jul. Aug. 1920, W. M. Wheeler; MCZ type label; lectotype selected by L. Masner, 1964; *Polymecus (Dolichotrypes) minor* Brues ♀♀

Lectotype female No. 31028, well preserved. Two paralectotype females (!).

*Trichacis* Foerster, 1856

*Trichacis meridionalis* (Brues) comb. n.

*Xestonotus meridionalis* Brues, 1910. Broteria 9: 150.

MCZ type label; lectotype selected by L. Masner, 1964; *Xestonotus meridionalis* Brues; *Trichacis* (Fouts)

Lectotype female No. 31031, well preserved. One paralectotype female (!).

#### Family CERAPHRONIDAE

*Ceraphron* Jurine, 1807

*Ceraphron croceipes* Brues

*Ceraphron croceipes* Brues, 1902. Amer. Nat. 36: 369.

Type; in nest *E. coecum*; MCZ type label; *Ceraphron croceipes* Brues

Holotype female No. 30984, well preserved. Unique.

*Conostigmus* Dahlbom, 1858

*Conostigmus orcasensis* (Brues)

*Megaspilus orcasensis* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 7: 118

Puget Sound, Wash., Jul. 08; MCZ type label; *Megaspilus orcasensis* Brues, ♂ type

Holotype male No. 30985, well preserved. Unique.

*Ecitonetes* Brues, 1902

*Ecitonetes subapterus* Brues

*Ecitonetes subapterus* Brues, 1902. Amer. Nat. 36: 370.

Type; Austin, Tex.; MCZ type label; *Ecitonetes subapterus* Brues

Holotype female No. 30983, thorax slightly cracked. Unique.

*Lygocerus* Foerster, 1856

*Lygocerus constrictus* Brues

*Lygocerus constrictus* Brues, 1910. Wis. Nat. Hist. Soc. Bul. 7: 119.

Mt. Constitution, Jul. 09, Wash.; MCZ type label; *Lygocerus constrictus* Brues, type

Holotype male No. 30986, well preserved. Two paratype males.

## LIST OF THE TYPES OF PROCTOTRUPOIDEA

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