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(Hymenoptera: Braconidae)
of Japan

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Doryctinae (Hymenoptera, Braconidae) of Japan

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ABSTRACT

A monographic revision of the Japanese taxa of the parasitoids from the subfamily Doryctinae (Hymenoptera, Braconidae) is suggested. A discussion of the morphological features of the adult, biological characters, mode of life and distribution of these parasitoids are presented. A key to 39 genera of the Doryctinae fauna of Japan and neighbouring territories of the mainland Asia is provided. Thirty-one genera and 182 species of doryctins are recorded in the study area, re-described and illustrated: *Arhaconotus* Belokobylskij (1 species), *Asiaheterospilus* Belokobylskij et Konishi (1 species), *Caenophanes* Foerster (6 species), *Cryptontsira* Belokobylskij (1 species), *Dendrosoter* Wesmael (1 species), *Doryctes* Haliday (10 species), *Ecphylus* Foerster (5 species), *Eodendrus* Belokobylskij (1 species), *Guaygata* Marsh (2 species), *Heterospilus* Haliday (24 species), *Hypodoryctes* Kokujev (6 species), *Ipodoryctes* Granger (2 species), *Leluthia* Cameron (3 species), *Mimipodoryctes* Belokobylskij (1 species), *Monolexis* Foerster (1 species), *Neoheterospilus* Belokobylskij (1 species), *Neurocrassus* Snoflak (11 species), *Nipponecphylus* Belokobylskij et Konishi (1 species), *Ontsira* Cameron (4 species), *Parallorhogas* Marsh (5 species), *Platyspathius* Viereck (1 species), *Polystenus* Foerster (1 species), *Rhaconotus* Ruthe (11 species), *Rhacontsira* Belokobylskij (4 species), *Rhoptrocentrus* Marshall (1 species), *Ryukyuspathius* Belokobylskij (1 species), *Sonanus* Belokobylskij et Konishi (1 species), *Spathiomorpha* Tobias (1 species), *Spathiostenus* Belokobylskij (1 species),

Spathius Nees (72 species) and *Zombrus* Marshall (1 species). The new subgenus *Eoheterospilus* **subgen. nov.** (type species *Hecabolus rubrocinctus* Ashmead) is established for two species of the genus *Heterospilus* Haliday. Forty-nine species are described here as new for science: *Doryctes nipponicus* **sp. nov.**, *Heterospilus asiaticola* **sp. nov.**, *H. flavicarpus* **sp. nov.**, *H. ishigakus* **sp. nov.**, *H. kerzhneri* **sp. nov.**, *H. kobeensis* **sp. nov.**, *H. okinawus* **sp. nov.**, *H. pumilio* **sp. nov.**, *H. signatus* **sp. nov.**, *H. subseparatus* **sp. nov.**, *H. xanthopterus* **sp. nov.**, *Ontsira neantica* **sp. nov.**, *O. amamioshima* **sp. nov.**, *Rhaconotus brachyiceps* **sp. nov.**, *Rh. sonaicus* **sp. nov.**, *Rh. watanabei* **sp. nov.**, *Spathius aichiensis* **sp. nov.**, *S. alevtinae* **sp. nov.**, *S. angustifemur* **sp. nov.**, *S. brevithorax* **sp. nov.**, *S. elegantulus* **sp. nov.**, *S. fukushimus* **sp. nov.**, *S. fuscotibialis* **sp. nov.**, *S. gnom* **sp. nov.**, *S. habui* **sp. nov.**, *S. ibarakius* **sp. nov.**, *S. insulicola* **sp. nov.**, *S. interstitialis* **sp. nov.**, *S. longipetiolus* **sp. nov.**, *S. longisetosus* **sp. nov.**, *S. multirugosus* **sp. nov.**, *S. nagoyaensis* **sp. nov.**, *S. nakaragawus* **sp. nov.**, *S. nixonii* **sp. nov.**, *S. ohboshiensis* **sp. nov.**, *S. okinawus* **sp. nov.**, *S. pallescens* **sp. nov.**, *S. parafasciatus* **sp. nov.**, *S. paramoenus* **sp. nov.**, *S. parochus* **sp. nov.**, *S. rugoscutum* **sp. nov.**, *S. ryukyensis* **sp. nov.**, *S. sagaensis* **sp. nov.**, *S. similis* **sp. nov.**, *S. simplex* **sp. nov.**, *S. solo* **sp. nov.**, *S. tsukubaensis* **sp. nov.**, *S. uradanicus* **sp. nov.**, *S. yonagunicus* **sp. nov.** The following synonymies are suggested: *Caenopachys* Foerster, 1862 (= *Dendrosoter* Wesmael, 1838); *Heterospilus oculatus* Belokobylskij, 1988 (= *Hecabolus rubrocinctus* Ashmead, 1905); *Doryctes strigosus* Chen et Shi, 2004 (= *D. gyljak* Telenga, 1941); *Doryctes tristriatus* Kieffer, 1921 (= *Ischiogonus malayensis* Fullaway, 1919); *Ontsira retina* Chen et Shi, 2004 (= *Hypodoryctes fuga* Belokobylskij et Chen, 2004); *Monolexis sorus* Nixon, 1943 (= *Monolexis fuscicornis* Foerster, 1862); *Doryctes nixonii* Watanabe, 1952 (= *Monolexis palliatus* Cameron, 1881); *Ontsira brachytes* Chen et Shi, 2004 (= *O. apposita* Belokobylskij, 1998); *Rhaconotus carolinensis* Watanabe, 1945 (= *Rh. formosanus* Watanabe, 1934); *Spathius leschii* Belokobylskij 1998 (= *S. lesovik* Belokobylskij, 1998). The following new combinations are given: *Neurocrassus hakonensis* (Ashmead) **comb. nov.**, *N. opis* (Belokobylskij) **comb. nov.** and *N. palliatus* (Cameron) **comb. nov.** *Doryctes yogoi* Watanabe was reinstated from synonym of *D. mutillator* (Thunberg), *Ontsira ignea* (Ratzeburg) – from *O. imperator* (Haliday) and *Neurocrassus indomalaicus* Belokobylskij – from subspecies of *N. rarus* (Belokobylskij). The keys to species include the taxa of the Japanese fauna and often also species from the neighbouring territories.

KEY WORDS

Parasitoids, Braconidae, Doryctinae, morphological and biological features, keys to genera and species, redescriptions and descriptions, Japan and neighbouring territories.

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