

REVISION OF THE *CASSIDA LITIGIOSA* GROUP FROM SOUTHERN AFRICA (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE)

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Abstract.— The *Cassida litigiosa* group from southern Africa is revised. It comprises 13 species, 7 of them new to the science: *C. chrysanthemoides* (Cape), *C. diversepunctata* (Cape), *C. foveolatipennis* (Cape), *C. limpopoana* (S Zimbabwe, Malawi, and Mozambique), *C. lycii* (Cape), *C. reticulipennis* (Cape), and *C. spatiosiformis* (Cape). They are associated with four plant families: Amaranthaceae, Asteraceae, Chenopodiaceae, and Solanaceae.



Key words.— Revision, new species, host plants, Coleoptera, Chrysomelidae, Cassidinae, *Cassida litigiosa* group, southern Africa.

MIXED COLONY OF *FORMICA PRATENSIS* RETZ. + *FORMICA CINEREA* MAYR + *FORMICA SANGUINEA* LATR. (HYMENOPTERA: FORMICIDAE) AND ITS PRESUMED ORIGIN

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Abstract.— A case of a queenright colony of *Formica pratensis* Retz. mixed with the workers of *F. cinerea* Mayr and some workers of *F. sanguinea* Latr. is described. The colony characterized by this composition has evolved from a pure *F. cinerea* colony that had been raided by *F. sanguinea* two years earlier. Another conflict with the same *F. sanguinea* revealed the composition of this colony. The presumed circumstances of the origin of the specific mixed colony are discussed in this paper.



Key words.— Ants, *Formica pratensis*, *Formica cinerea*, *Formica sanguinea*, mixed colonies, social parasitism, slavery, colony founding.

**A REDESCRIPTION OF *MICROTROMBIDIUM PUSILLUM*
(HERMANN, 1804) (ACARI: PARASITENGONA:
MICROTROMBIDIIDAE) WITH NOTES
ON TAXONOMY AND BIOLOGY**

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Abstract.— The adult and deutonymph of *Microtrombidium pusillum* (Hermann, 1804) are redescribed; the heteromorphic larva reared in laboratory is described for the first time. The taxonomic status of the genus is revised; diagnoses of all active instars are provided. The neotype is designated basing on the female from which larvae have been obtained by experimental rearing. *Megophthrombium* Mullen and Vercammen-Grandjean, 1978, *Phlebotrombium* Fain and Baker, 1993 and *Crinitrombium* Southcott, 1994 are considered subjective junior synonyms of *Microtrombidium* Haller, 1882. Larvae hitherto described as *Microtrombidium* do not belong to this genus; their generic status is discussed. *Alexothrombium* **gen. nov.** based on *Microtrombidium baerti* Fain and Grootaert, 1993 as type species and *Parawillungella* **gen. nov.** based on *Microtrombidium nitidum* Southcott, 1994 as type species are described. The phenology, life cycle and parasitism of *M. pusillum* are discussed and compared with adequate data for other Microtrombidiidae.



Key words.— Acarology, taxonomy, biology, life cycle, neotype, Microtrombidiidae, *Microtrombidium*, *M. pusillum*.

**A REDESCRIPTION OF *ABROLOPHUS SCHWEIZERI*
(EVANS, 1952) COMB. NOV. (ACARI: PARASITENGONA:
ERYTHRAEIDAE)**

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Abstract.— *Abrolophus schweizeri* (Evans, 1952) **comb. nov.** is redescribed basing on holotype. Diagnosis and description are supplemented with standard measurements, not considered in original paper. Morphological structures, not included in original description, are figured. The taxonomic status of the species is discussed.



Key words.— Acarology, Erythraeidae, *Abrolophus schweizeri*, redescription, new combination.

TWO NEW SPECIES OF *PSEUDOBLAPS* GUÉRIN, 1834
(COLEOPTERA: TENEBRIONIDAE: PLATYNOTINI)
FROM ASIA

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Abstract.— *Pseudoblaps becvari* sp. nov. from Pakistan and *P. kazakhstaniensis* sp. nov. from Kazakhstan are described and illustrated.



Key words.— Entomology, taxonomy, Coleoptera, Tenebrionidae, Platynotini, *Pseudoblaps*, new species, Pakistan, Kazakhstan.

A REVIEW OF THE GENUS *BYRSINUS* FIEBER, 1860
(HEMIPTERA: HETEROPTERA: CYDNIDAE) IN AUSTRALIA,
WITH A KEY TO AUSTRALO-PACIFIC SPECIES

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Abstract.— A review of Australian species of the genus *Byrsinus* Fieber, 1860 is presented. *Byrsinus australis* sp. nov. (New South Wales, South Australia), and *B. multirichus* sp. nov. (South Australia, Victoria) are described and compared with *B. ochraceus* (Distant). The latter is redescribed based on the type specimen from Tasmania and other specimens recorded for the first time from New South Wales, Northern Territory, and South Australia. *B. setosus* J.A. Lis, known previously only from a female specimen from Indonesia (Flores) is recorded for the first time from Australia (Northern Queensland), and its original description is extended with the male characters. A key to all Australo-Pacific species of the genus is also provided.



Key words.— Insecta, Hemiptera, Heteroptera, Cydnidae, *Byrsinus*, new species, review, redescription, key to species, Australia.

A REDESCRIPTION OF *TROMBIDIUM GENICULATUM* (FEIDER, 1955) (ACARI: ACTINOTRICHIDA: TROMBIDIOIDEA) WITH CHARACTERISTICS OF ALL ACTIVE INSTARS

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Abstract.— A redescription of *Trombidium geniculatum* (Feider, 1955), based on female is given. Morphological data on deutonymphs are provided. Larvae are described for the first time. A female, from which larvae have been obtained by experimental rearing, has been selected for neotype. *T. geniculatum*, closely related to *T. holosericeum*, is associated with forest habitats.



Key words.— Acarology, taxonomy, life history, neotype, Trombidiidae, *Trombidium*, *T. geniculatum*.

NEW AND RARE *MYRMICA* SPECIES (HYMENOPTERA: FORMICIDAE) FROM SOUTHERN CHINA

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Abstract.— Three new *Myrmica* species (*M. sinensis*, *M. angulata* and *M. draco*) are described from the Southern China. Their taxonomic position is discussed and some ecological data for *M. serica* is provided. All the species belong to the *ritae*-group of *Myrmica*.



Key words.— Ants, Formicidae, *Myrmica*, taxonomy, China, new species.

FIRST RECORD OF THE GENUS *MYRMICA* (HYMENOPTERA: FORMICIDAE) FROM NORTHERN VIETNAM, WITH A DESCRIPTION OF TWO NEW SPECIES

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Abstract.— Two new *Myrmica* species (*M. titanica* and *M. yamanei*) are described from the mountains of Northern Vietnam, and their taxonomic status is discussed. Also, the first report of *M. serica* from Vietnam and a new report of *M. rita* from Thailand are recorded.



Key words.— Ants, Formicidae, *Myrmica*, *M. titanica*, *M. yamanei*, taxonomy, new species, Vietnam.

NOTES ON THE SYNONYMES OF *UTECHA TRIVIA* (GERMAR, 1821) WITH A REDESCRIPTION OF THE FEMALE (HEMIPTERA: MEMBRACOIDEA: ULOPIDAE)

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Abstract.— The various synonyms of *Utecha trivialis* (Germar, 1821) are discussed including the synonymy of *Ulopa grisea* Walker, 1851 **syn. nov.** A redescription of the female of *Utecha trivialis* (Germar, 1821) is given based on historical and modern specimens.



Key words. — *Utecha trivialis* (Germar, 1821), *Ulopa decussata* Germar, 1821, *Ulopa grisea* Walker, 1851, *Ulopa grisea* Rey, 1894, redescription, synonymy, Hemiptera, Membracoidea, Ulopidae

ON THE ORIENTAL GENUS *PSEUDINDALMUS* ARROW, 1920 WITH DESCRIPTIONS OF FOUR NEW SPECIES (COLEOPTERA: ENDOMYCHIDAE)

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Abstract.— Four new species of *Pseudindalmus*, *P. burckhardti* (Malaysia), *P. longicornis* (Taiwan), *P. similis* (Thailand) and *P. sumatrensis* (Sumatra) are described and illustrated. *Pseudindalmus rufonotatus* (Pic, 1940) is redescribed and the placement of *P. testaceitarsis* within the genus *Mycetina* is confirmed, based on the type material. The lectotype is designated for *Falsodanae* (= *Pseudindalmus*) *rufonotata* Pic, 1940. Taxonomic notes on the genus, a key to its known species and a checklist are provided. The proper placement of *Pseudindalmus* within the subfamily Lycoperdininae is confirmed.



Key words.— Entomology, taxonomy, new species, key, Coleoptera, Endomychidae, Lycoperdininae, *Pseudindalmus*, *Mycetina*.

A NEW SPECIES OF *AMPHISTETHUS* STROHECKER, 1964 (COLEOPTERA: ENDOMYCHIDAE) FROM LAOS

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Abstract.— A new species of *Amphistethus*, *A. stroheckeri* (Laos) is described and illustrated. Notes on the genus and the key to its known species are provided.



Key words.— Entomology, taxonomy, new species, Coleoptera, Cucujoidea, Endomychidae, Lycoperdininae.

***MACROCOMA DJURDJURENSIS* SP. NOV., A NEW
NORTH-AFRICAN SPECIES OF SUBFAMILY EUMOLPINAE
(COLEOPTERA: CHRYSOMELIDAE)**

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Abstract.— A new North-African species, *Macrocoma djurdjurenensis* sp. nov. from Algeria is described and illustrated.



Key words.— Entomology, *Coleoptera*, *Macrocoma*, new species, Algeria, description.

***GEINELLA TRAPEZICOLLIS* SP. NOV., A NEW SPECIES FROM
TIBET (COLEOPTERA: CHRYSOMELIDAE: GALERUCINAE)**

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Abstract.— *Geinella trapezicollis* sp. nov. from Tibet is described and illustrated. A key to hitherto known species of the genus *Geinella* Strand, 1935 is given.



Key words.— Entomology, *Coleoptera*, *Geinella*, new species, China (Tibet), description.

TWO NEW SPECIES OF *THYENULA* SIMON, 1902 FROM SOUTH AFRICA (ARANEAE: SALTICIDAE)

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Abstract.— Two new species in the genus *Thyenula* Simon, 1902 are described: *T. armata* and *T. oranjensis*. Males of the former species possess unique scutum (drumming structure?).



Key words.— Arachnology, taxonomy, Salticidae, *Thyenula*, new species, South Africa.