

## **LONGIDORUS BALTICUS SP. NOV. (NEMATODA: LONGIDORIDAE) FROM COASTAL SAND DUNES IN NORTHEAST POLAND**

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**Abstract.**— A description is provided of *Longidorus balticus* sp. nov., a bisexual species recovered from the rhizosphere of *Elymus arenarius* L. growing in coastal sand dunes in northeast Poland. The species is characterized by having a long (L=6.7–9.2 mm) and slender (a=119–175) body; expanded labial region, flattened anteriorly; assymmetrically bilobed amphids; anteriorly situated guide ring (23–29 µm); odontostyle of medium length (91–105 µm); and a short, rounded tail. Males having spicules of medium size (58–69 µm), and a row of 9–15 supplements. *Longidorus balticus* sp. nov. has four juvenile developmental stages. *Longidorus balticus* sp. nov. resembles *L. vineacola*, *L. belloi*, *L. lusitanicus*, *L. moesicus*, *L. profundorum* and *L. apulus*.



**Key words.**— coastal sand dunes, *Elymus arenarius*, *Longidorus*, new species, Poland.

## **A REVISION OF THE GENERA OF THE TRIBE PLATYSOMATINI (COLEOPTERA: HISTERIDAE: HISTERINAE). PART 2. REDESCRIPTIONS OF THE GENERA, *THEROPATINA* MAZUR, 1984, *MICROLISTER* LEWIS, 1905 AND *PLATYBLETES* THÉROND, 1952.**

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**Abstract.**— This is a second part of the revision of Platysomatini, providing redescriptions of the genera, *Theropatina*, *Microlistes* and *Platybletes* based on their type species.



**Key words.**— Coleoptera, Histeridae, Platysomatini, taxonomy, redescription.

**TWO NEW SPECIES OF *TRIGONOPUS* MULSANT ET REY, 1853  
FROM SOUTH AFRICA (COLEOPTERA: TENEBRIONIDAE:  
PLATYNOTINI)**

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**Abstract.**— *Trigonopus bellamyi* sp. nov. and *T. natalensis* sp. nov. are described and illustrated. The species belong to the generic group trigonopoid Platynotina from South Africa. Key for species determination is provided.



**Key words.**— Coleoptera, Tenebrionidae, Platynotini, *Trigonopus*, new species, South Africa.

**TONACATECUTLIUS GIBSONI GEN. AND SP. NOV. FROM THE  
OLIGOCENE/MIOCENE MEXICAN AMBER (HEMIPTERA:  
FULGOROMORPHA: NOGODINIDAE)**

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**Abstract.**— *Tonacatecutlius gibsoni* gen. and sp. nov. – the first representative of the planthopper family Nogodinidae, and placed in the subtribe Nogodinina, from the Oligocene/Miocene fossil resin of Mexico is described.



**Key words.**— Hemiptera, Fulgoromorpha, Nogodinidae, Nogodinina, *Tonacatecutlius gibsoni* gen. and sp. nov., Mexican amber, Oligocene/Miocene.

## DESCRIPTION OF LARVA OF *PODOTHROMBIUM FILIPES* (C. L. KOCH, 1837) (ACARI: ACTINOTRICHIDA: TROMBIDIIDAE) WITH NOTES ON VARIABILITY, ANOMALY AND THEIR IMPLICATIONS FOR CLASSIFICATION OF *PODOTHROMBIUM* LARVAE

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**Abstract.**— A series of larvae of *Podothrombium* reared in laboratory culture was subject to morphometric analysis. Larvae were assigned to *P. filipes* (C. L. Koch, 1837) a species known hitherto only from postlarval instars. An array of anomalies in the chaetotaxy of various body regions was discovered. The results make it possible to re-consider the taxonomic suitability of some characters commonly used in diagnosing larvae of *Podothrombium*.



**Key words.**— acarology, Parasitengona, Trombidiidae, *Podothrombium*, *Podothrombium filipes*, larvae, variability, anomaly, classification.

## REVISION OF THE AUSTRALASIAN SPECIES OF THE GENUS *MESOCYCLOPS* SARS, 1914 (COPEPODA: CYCLOPIDAE)

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**Abstract.**— Using new material and museum collections, a taxonomic and zoogeographical overview of the Australasian *Mesocyclops* is provided. The detailed morphological descriptions are supplemented with critical reassessment of the published records, a key to the Australasian and Oriental representatives of the genus (30 spp.) and distribution maps of the Australasian species and their extralimital relatives. The paper reports on the occurrence of sixteen species, 11 of them endemic, in Australasia: *M. dayakorum* sp. nov., *M. darwini* Dussart et Fernando 1988, *M. pseudoannae* Van de Velde, 1987, *M. cf. yeneae*, *M. yesoensis* Ishida 1999, *M. papuensis* Van de Velde, 1987, *M. aspericornis* (Daday, 1906), *M. ogunnus* Onabamiro, 1957, *M. affinis* Van de Velde, 1987, *M. tobae* Kiefer, 1933, *M. francisci* sp. nov., *M. woutersi* Van de Velde, 1987, *M. friendorum* sp. nov., *M. microlasius* Kiefer, 1981, *M. geminus* sp. nov., *M. thermocyclopoides* Harada, 1931. **New synonymy:** *M. papuensis* (*M. borneoensis* Dussart et Fernando, 1988). Closely related species pairs/groups seem to indicate some repeating pattern of relationships: 1. Palaeotropical; 2. Oriental; 3. Australasia/Africa disjunction; 4. Speciation within Australasia.



**Key words.**— Cyclopidae, *Mesocyclops*, Australasia, taxonomy, zoogeography.