

An annotated checklist of burrower bugs (Cydnidae) of Thailand

by Jerzy A. Lis

Abstract: A checklist of 24 species of Cydnidae from Thailand is presented. New records for nine species are provided. Two species, *Chilocoris assmuthi* (BREDDIN, 1904) and *Chilocoris barbarae* LIS, 1991, are recorded for the first time from Thailand.

Most representatives of Cydnidae are black or brown in colour, live in the soil, and feed on roots and stems of different plants; therefore the family is known under the popular name of burrower bugs (or burrowing bugs). Some of them have been reported as nuisances to plants, and several even as serious pests in tropical countries (LIS & BECKER, in print).

Only 22 species of Cydnidae were recorded from the territory of Thailand, so far (HASEGAWA 1962, CARVALHO 1969, LIS 1990, 1991, 1992, 1993, 1994, 1996a). It made about 12 % of the whole Oriental fauna of the family (LIS 1994), and suggested that many other species known from the neighbouring countries (Myanmar, Laos, Vietnam, Cambodia, Malaya) should be found also in Thailand.

The paper presents an annotated checklist of Cydnidae known from Thailand with localities as they were given in original papers, as well as new records for nine species (two recorded for the first time from the country) based on the authors collection (JAL) and the material borrowed from the following institutions: Zoologische Staatssammlung München, Germany (ZSM), Staatliches Museum für Naturkunde, Stuttgart, Germany (SMNS), Naturhistorisches Museum Wien, Austria (NhMW), and the National Science Museum, Tokyo, Japan (NSMT).

Species new to Thailand are marked with the asterisk. Data on the general distribution of species follow LIS (1994, 1996b).

List of species

Subfamily *Scaptocorinae* FROESCHNER, 1960

1. *Stibaropus callidus* (SCHIÖDTE, 1847)

Khon Kaen City (CARVALHO 1969); Thailand (LIS 1991); Central Thailand, Kwae Noi Riv. (LIS 1994).

Species known from India, Sri Lanka, Pakistan, Nepal, Bangladesh, Myanmar, Laos, Vietnam, and Thailand.

2. *Stibaropus molginus* (SCHIÖDTE, 1847)

Bangkok (LIS 1994); 1 ♂, Nong Khai Province, Nong Khai, Maekhong at Holiday, 28.11.1995, leg. H. Zettel (NhMW).

A rather common species recorded from Pakistan, India, Bangladesh, Myanmar, Laos, Vietnam, Cambodia, Thailand, and Malaya.

3. *Stibaropus pseudominor* LIS, 1991

Pachim District (LIS 1994); Central Thailand, Kwae Noi River (LIS 1994).

Known from India, Burma, South China, Laos, Vietnam, Thailand, Malaya, and Philippines.

Subfamily *Cydninae* BILLBERG, 1820

*** 4. *Chilocoris assmuthi* (BREDDIN, 1904)**

1 ♂, Doi Inthanon, 15-20.V.1990, leg. Malicky (ZSM). First record for Thailand!

Till now known only from Pakistan, India, Nepal, and Sri Lanka.

*** 5. *Chilocoris barbarae* LIS, 1991**

2 ♂♂, 2 ♀♀, South Thailand, Betong, Gunung Cang dun vill., Yala distr., 26.3.-22.5.1993, leg. Horak & Strnad (NhMW, JAL).

So far recorded from Malaysia, Indonesia, Papua New Guinea, and Australia. First record for Thailand!

6. *Chilocoris thaicus* LIS, 1994

Chiang Mai, Doj Suthap (Lis 1994).

Described and known only from Thailand, so far.

7. *Cydnus incisus* (DISTANT, 1901)

Chiang Mai Province, Doi Inthanon National Park, Mae Ya (Lis 1994); Thailand (Lis 1996a).

Recorded from Myanmar, Thailand, Vietnam, and Indonesia (Sumatra).

8. *Adrisa birmana* LIS, 1992

Tak Province, Umphang District, Thung Yai Wildlife Sanctuary (Lis 1992, 1994); Muok-Lek (Lis 1994).

Known only from Myanmar, Laos, Thailand, and Malaya.

9. *Adrisa magna* (UHLER, 1861)

Tak Province, Umphang District, Thung Yai Wildlife Sanctuary, Mae Chan/Mae Klong confluence (Lis 1992, 1994).

Recorded from Japan, Korea, China, Hong Kong, Myanmar, Thailand, Laos, and Vietnam.

10. *Aethus indicus* (WESTWOOD, 1837)

Sai Yok (Lis 1993, 1994); NW Lan-Sak (Lis 1994); W Han Kha (Lis 1994); W Ben Rei (Lis 1994); 1 ♀, Central Thailand, Lan Sak, 20km W Uthai-Thani, ca. 80m, Juli 1986, leg. W. Thielen (SMNS); 1 ♀, Pak Chong, 1-10.4.93, at light, leg. T. Bziuk (JAL).

A species very common in the western part of the Oriental Region.

11. *Aethus pseudindicus* LIS, 1993

Bangsaen (Lis 1994).

A species common in the eastern part of the Oriental Region.

12. *Aethus tanna* (DISTANT, 1908)

Pon Makampon (HASEGAWA 1962); Thailand (Lis 1994).

Known only from India, Nepal, Myanmar, Laos, and Thailand.

13. *Alonips acrostictus* (DISTANT, 1918)

Phuket, Patong Beach (LIS 1994); Sarabri Province, Botanical Garden (LIS 1994).

Recorded from Pakistan, India, Sri Lanka, Myanmar, South China, Laos, Thailand, and Vietnam.

14. *Alonips apicalis* (DALLAS, 1851)

Bangkok (LIS 1994); Klom Ran (LIS 1994).

Known from Pakistan, India, Sri Lanka, Burma, Cambodia, Thailand, and Singapore.

15. *Byrsinus varians* (FABRICIUS, 1803)

Bangsaen (LIS 1994).

Common and widely distributed in the Oriental Region.

16. *Fromundus biimpessus* (HORVATH, 1919)

Bangkok (LIS 1994).

Recorded only from South China, Vietnam, Laos, Thailand, Malaya, and Sumatra.

17. *Fromundus pygmaeus* (DALLAS, 1851)

Chiang Dao (HASEGAWA 1962); Chiang Mai (HASEGAWA 1962); Chainat (HASEGAWA 1962); Chiang Mai Province, Fang Horticultural Expedition Station (LIS 1994); Chiang Mai Province, Chiang Mai (LIS 1994); Sam Ngao, at Bhumipol Dam (LIS 1994); Bangkok (LIS 1994); Vieng Vai (LIS 1994); Phuket, Patong Beach (LIS 1994); Nha-trang (LIS 1994); NW Lan Sak (LIS 1994); W Han Kha (LIS 1994); Bangsaen (LIS 1994); 1 ♀, Mae Taeng, Chiang Mai, 13.IX.1988, leg. Yimyam (NhMW); 1 ♂, Chiang Mai, Doi Inthanon National Park, 17.8.1995, leg. R. Grimm (JAL); 1 ♀, Pak Chong, 1.-10.4.93, at light, leg. T. Bziuk (JAL); 3 ♂♂, 8 ♀♀, Changwat Chiang Mai, Chiang Mai, 250 m, 12. 1988 & 1.1989, leg. Trautner & Geigenmüller (SMNS, JAL); 1 ♀, Central Thailand, Lan Sak, 20km W Uthai-Thani, ca. 80 m, Juli 1986, leg. W. Thielen (SMNS).

The most common species of Cydnidae, known from both Australian and Oriental Regions; recorded also from Korea, Japan, and even Saudi Arabia and Iraq.

18. *Lactistes truncatoserratus* SIGNORET, 1880

Pachim District (LIS 1994).

Known from India, Myanmar, South China, Thailand, and Vietnam.

19. *Macroscytus aequalis* (WALKER, 1867)

Chiang Mai Province, Doi Inthanon National Park (LIS 1994); Shan States, Manders (LIS 1994); 2 ♂♂, Doi Inthanon, 1.-3.V.1990, leg. Malicky (ZSM); 1 ♂, Chiang Mai, Zoo, 22.-29.VII.1990, leg. Malicky (ZSM).

Known from Nepal, Bhutan, India, Sri Lanka, South China, Hong Kong, Laos, Vietnam, Cambodia, and Thailand.

20. *Macroscytus dominiqueae* LIS, 1991

Loei Province, Phu Luang Wildlife Sanctuary (LIS 1994); NW Lan-Sak (LIS 1994); W Ban Rai (LIS 1994); 1 ♂, Central Thailand, Phu-Hin Rongkla, 1200 m, Nakhon Thai, C. Phitsanulok, 26 Aug. 1987, leg. Yamasaki (NSMT).

Recorded from India, South China, Hong Kong, Laos, Vietnam, Cambodia, Thailand, and Malaya.

21. *Macroscytus subaeneus* (DALLAS, 1851)

Thailand (Lis 1994).

A very rare species; known only from several specimens collected in Philippines, Indonesia (Flores) and Thailand. Almost all its previous records from other countries pertained to several different species of the genus.

22. *Macroscytus sumatranus* Lis, 1994

Thailand (Lis 1994); Nan (Lis 1994); 1 ♂, Khao Luang National Park, H.Q., 120 m, Nop Pi Tam, Nakhon Si Thammarat, 9.VIII.1987, leg. H. Ono (NSMT).

Known from India, Myanmar, South China, Laos, Vietnam, Thailand, Singapore, Malaysia, and Indonesia.

23. *Macroscytus vietnamicus* Lis, 1994

Thailand (Lis 1994); 1 ♂, Phu Rua National Park, 900 m alt., Loei Region, 20.VIII.1987, leg. H. Ono (NSMT).

A rarely collected species; recorded only from Myanmar, Laos, Vietnam, and Thailand.

24. *Scoparipes rufipes* Lis, 1990

Nakhon Si Thammarat, Khao Luang (Lis 1990, 1994).

Described and known only from Thailand, so far.

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