

LONGICORN BEETLES (COLEOPTERA: CERAMBYCIDAE)
FROM NORTHERN THAILAND

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ABSTRACT

A list is given of 87 species of Cerambycidae collected in the area of Chiang Mai from 1971-1974. Thirty-two species are new to Thailand. The fauna shows a great affinity with that of Laos.

The longicorn beetles (Cerambycidae) form a large family which is well-represented in Southeast Asia. The majority have wood-boring larvae and, as a result, a number of species are of economic importance causing damage to forest and orchard trees and to timber. Within Southeast Asia, only the Laotian cerambycid fauna is well-known (GRESSITT, RONDON & BREUNING, 1970): that of Thailand has been little studied. GRESSITT (1941) lists earlier records from Thailand, and additions have been made, chiefly as a result of Japanese expeditions to the country by BREUNING & CHUJO (1961, 1962, 1964, 1966a, b, 1968), GRESSITT, RONDON & BREUNING (1970), PASE & COSTER (1973) and VILLIERS & CHUJO (1961, 1962, 1964, 1966, 1968).

During the past four years (1971-1974) about 120 species of Cerambycidae have been collected from the area around Chiang Mai, the majority in or near the campus of Chiang Mai University. Most have been collected by students taking courses in entomology; a smaller number have been collected by myself. Most identifications were made initially using the keys in GRESSITT, RONDON & BREUNING (1970), and have been checked later against specimens in the British Museum (Natural History) in London. A number of species, mostly Lamiinae in such large and difficult genera as *Pothyne*, *Exocentrus* and *Oberea*, have not yet been identified. It is hoped to report on these later. There are

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probably also a few new species, but represented only by single specimens. Further material is needed before describing these.

The arrangement of the list follows that of GRESSITT, RONDON & BREUNING (1970). For each species, the name is followed by the number of specimens examined (as an indication of the frequency of the species in the area), the months in which it was collected, and the geographical range of the species. References are given to earlier Thai records. Those species that are new to Thailand are indicated by an asterisk (*).

Nearly 40% of the species (32 ex 87) are recorded for the first time from the country. This reflects the small amount of collecting that has been done in Northern Thailand. The number of species listed is certainly only a fraction of those that may be expected to be found in the area. In Laos, extensive collecting by Rondon yielded more than 1100 species (GRESSITT, RONDON & BREUNING, 1970). The seasonal distribution of records, concentrated in the months from July to September reflects partly the fact that the entomology course was held in these months, and partly a real increase in abundance of cerambycids during the wet season.

GRESSITT, RONDON & BREUNING (1970) list 63 species as common to Laos and Thailand, and suggest that many more may be found in both countries. The present list amply bears out this prediction. Of the 87 species, 78 are known to occur in Laos. Most of the species collected have quite a wide distribution in Southeast Asia. The Indian-Indochinese faunal element, whose geographical range lies within the area from India to Vietnam and China, but does not extend south to Malaysia or Indonesia, comprises 51 species (59%). Five of these are known only from Thailand and Laos. The Indomalayan element, whose range extends further south into Malaysia and Indonesia, comprises 31 species (36%). Three species have a wider distribution extending to Africa and/or the Pacific Islands. Two species in the list, whose identification is not certain, remain unplaced. None of the species recorded is endemic to Thailand.

List of species

DISTENIINAE

Cyrtonopini

1. **Cyrtonops punctipennis* White. 1 ex. vii. India to Laos, Sumatra.

PRIONINAE

Macrotomini

2. *Macrotoma fisheri* Waterhouse. 1 ex. viii. Burma, Laos, Vietnam, S. China. N-E. Thailand (PASE & COSTER, 1973).

Megopidini

3. **Megopis costipennis* White. 1 ex. iv. India, Laos.
4. *Megopis marginalis* (Fabricius). 2 ex. v-vi. China, Laos, Malaya, Indonesia. N-E. Thailand (PASE & COSTER, 1973).

Prionini

5. **Prionomma bigibbosus* (White). 1 ex. viii. India to Laos.
6. *Dorysthenes walkeri* (Waterhouse). 39 ex. vi-ix. Burma to N. Vietnam, Hainan I. Thailand (GRESSITT, 1941).
7. *Dorysthenes granulatus* (Thomson). 14 ex. iv-ix. India to Vietnam, S. China. Thailand (GRESSITT, 1941; PASE & COSTER, 1973).

CERAMBYCINAE

Methiini

8. **Noserius tibialis* Pascoe. 1 ex. xi. Burma to S. Vietnam, Malaya, Indonesia.
9. *Xystrocera globosa* (Olivier). 43 ex. iv-ix. Throughout South and East Asia, extending West to Madagascar, and East to Hawaii. Thailand (VILLIERS & CHUJO, 1961, 1964; PASE & COSTER, 1973).

Hesperophanini

10. *Gnatholea eburifera* Thomson. 1 ex. xi. Burma to Vietnam, S. China, Malaya. N. & N-E Thailand (VILLIERS & CHUJO 1961; PASE & COSTER, 1973).

11. *Stromatium longicorne* (Newman). 1 ex. v. Southeast Asia, Taiwan, Philippines, Indonesia. Thailand (GRESSITT, 1941; VILLIERS & CHUJO, 1961; PASE & COSTER, 1973).

Cerambycini

12. *Cyriopalus wallacei* Pascoe. 9 ex. vii-ix. Burma, Laos, Malaya, Borneo. N-E Thailand (PASE & COSTER, 1973).
13. *Aeolesthes induta* (Newman). 2 ex. vi, viii. Ceylon, Burma, S. China, Laos, Philippines. C. Thailand (GRESSITT, 1941).
14. *Plocaederus ruficornis* (Newman). 1 ex. vii. Laos, Malaya, Philippines. N-E Thailand (PASE & COSTER, 1973).
15. *Plocaederus obesus* Gahan. 4 ex. viii-ix. India to Laos, S. China. Thailand (VILLIERS & CHUJO, 1962, 1966; PASE & COSTER, 1973).
16. *Hoplocerambyx spinicornis* (Newman). 33 ex. vi-ix. Afghanistan to Laos, Malaya, Indonesia. N-E Thailand (PASE & COSTER, 1973).
17. *Diorthus cinereus* (Fabricius). 1 ex. iv. W. Africa, Mauritius, Aden to Laos, Java. N. Thailand. (VILLIERS & CHUJO, 1961).
18. **Margites rufipennis* (Pic.). 1 ex. iii. Known only from Laos.
19. *Dialeges pauper* Pascoe. 6 ex. vii-ix. India to Laos, Malaya, Borneo. Thailand (GRESSITT, RONDON & BREUNING, 1970; PASE & COSTER, 1973).
20. **Xoanodera striata* GRESSITT & RONDON. 1 ex. vi. Known only from 3 specimens from Laos.

Callidiopini

21. *Gelonaetha hirta* (Fairmaire). 6 ex. iv-v, vii. India, Laos, Taiwan, Philippines, Pacific Islands. Thailand (GRESSITT, 1941; PASE & COSTER, 1973).
22. *Ceresium* sp. cf. *geniculatum* White. 1 ex. vi. The specimen is almost identical with *C. geniculatum* but the femoro-tibial joint is not darkened.

Callichromini

23. **Zonopterus flavitarsis* Hope. 2 ex. viii. Assam, Laos.

24. *Nothopeus hemipterus* (Olivier). 1 ex. vii. India to Laos, Taiwan, Malaya, Indonesia. Thailand (Gressitt, Rondon & Breuning, 1970).
25. *Nothopeus* sp. cf. *drescheri* (Fisher). 1 ex. vii. There are slight differences from specimens of *N. drescheri* in the British Museum.
26. **Pachyteria dimidiata* Westwood. 36 ex. vi-ix. Assam, Laos. This species may have been recorded from Chiang Mai erroneously as *Pachyteria fasciata* (Fabricius) by Villiers & Chujo (1961). The photograph in their paper shows six yellow terminal antennal segments, characteristic of *P. dimidiata*, while *P. fasciata* has only five (Gressitt, Rondon & Breuning, 1970).
27. *Polyzonus prasinus* White. 1 ex. ix. India, Cambodia, S. Vietnam, China. C. Thailand (Gressitt, 1941).
28. **Polyzonus saigonensis* Bates. 40 ex. vi-ix. Burma to S. Vietnam, Malaya.
29. **Polyzonus obtusus* Bates. 35 ex. vi-ix. Burma to S. Vietnam.
30. *Anubis bipustulatus* Thomson. 3 ex. vii-viii. India to S. Vietnam, Malaya. Thailand (Gressitt, 1941).
31. *Anubis fimbriatus* Bates. India, Burma. Thailand (Gressitt, 1941).

Purpuricenini

32. *Pavieia superba* Brongniart. 1 ex. viii. Laos. Thailand (Gressitt, 1941).

Pyrestini

33. **Erythrus laticornis* Fairmaire. 13 ex. vi-ix. Laos, Cambodia, N. Vietnam.

Clytini

34. *Perissus laetus* Lameere. 3 ex. vii-viii. India to Laos, Hainan I. Thailand (Gressitt, 1941).
35. *Chlorophorus annularis* (Fabricius). 1 ex. vii. India to Vietnam, China, Taiwan, Japan, Malaysia, New Guinea. N. Thailand (Villiers & Chujo, 1961, 1962).
36. *Rhaphuma placida* Pascoe. 1 ex. vi. India, Burma, Laos, Celebes. Thailand (Gressitt, Rondon & Breuning, 1970).

LAMIINAE

Mesosini

37. **Agelasta mouhoti* Pascoe. 2 ex. vii, ix. Laos, Cambodia.
 38. *Coptops annulipes* Gahan. 2 ex. v, vii. Southeast Asia. Thailand (GRESSITT, 1941).
 39. *Coptops pascoei* Gahan. 1 ex. ix. Burma, Laos Indochina. Thailand (GRESSITT, 1941).
 40. *Coptops leucostictica* White. 1 ex. ix. Southeast Asia. N-E. Thailand (PASE & COSTER, 1973).

Xylorhizini

41. **Xylorhiza adusta* (Wiedmann). 1 ex. viii. India, Indochina, Laos, China.

Apomecynini

42. **Eunidia lateralis* Gahan. 2 ex. v, xi. India, Indochina, Laos, Hainan I.
 43. *Apomecyna saltator niveosparsa* Fairmaire. 3 ex. xi-xii. Laos, N. Vietnam. N-E Thailand (PASE & COSTER, 1973).

Agapanthiini

44. *Eucomatocera vittata* White. 4 ex. vii-ix. India to Vietnam, Taiwan. N. Thailand (BREUNING & CHUJO, 1966a).

Pteropliini

45. **Niphona malaccensis* Breuning. 1 ex. vii. Laos, Malaya.
 46. **Niphona pannosa* Pascoe. 1 ex. ix. Cambodia. There is a specimen in the British Museum (Natural History) from Thailand, but the species does not seem to have been recorded from there.
 47. *Sthenias pascoei* Ritsema. 3 ex. vii. Laos, Malaysia, Indonesia. N. & N-E. Thailand (BREUNING & CHUJO, 1966a; PASE & COSTER, 1973).
 48. **Pterolophia (Lychrosis) zebrina* (Pascoe). 2 ex. vii-viii. India Southeast Asia. I know of no records from Thailand.

49. **Cenodocus laosensis* Breuning. 1 ex. viii. Only the holotype from Laos was previously known. My specimen has been compared to the type by G.A. Samuelson.

Agniini

50. *Aristobia approximator* (Thomson). 151 ex. vi-ix. India to Vietnam. N. & N-E. Thailand (BREUNING & CHUJO, 1966a; PASE & COSTER, 1973). A common minor pest of guava (*Psidium guajava*) in Chiang Mai.
51. *Aristobia horridula* (Hope). 20 ex. vi-ix. India to Vietnam, China. N-E. Thailand (PASE & COSTER, 1973).
52. *Celosterna pollinosa sulphurea* Heller. 11 ex. vii-ix. Laos, Indonesia. N-E. Thailand (PASE & COSTER, 1973).
53. *Cremnosterna carissima* Pascoe. 1 ex. ix. India to Cambodia. Thailand (GRESSITT, 1941; PASE & COSTER, 1973).
54. *Macrochenus isabellinus* Aurivillius. 4 ex. vii-ix. Burma to Vietnam, China. N-E. Thailand (PASE & COSTER, 1973).
55. *Paraleprodera insidiosa* (Pascoe). 5 ex. vii-ix. Southeast Asia. S. & N-E. Thailand (GRESSITT, 1941; PASE & COSTER, 1973).
56. *Gerania bosci* (Fabricius). 29 ex. v-ix. Burma, Laos, Malaysia, Indonesia. N. & N-E. Thailand (BREUNING & CHUJO, 1961; PASE & COSTER 1973).
57. *Sarthrocera lowi* White. 1 ex. viii. Burma, Laos, Indonesia. N. Thailand (BREUNING & CHUJO, 1961).
58. **Eutaenia corbeti* Gahan. 1 ex. ix. India, Burma, Laos.
59. **Eutaenia trifasciella* (White). 1 ex. vii. Laos, N. Vietnam, Hongkong, Taiwan, Malaysia.
60. **Anamera alboguttata* Thomson. 1 ex. viii. Burma, Laos.
61. *Pharsalia (Cycos) subgemmata* (Thomson). 1 ex. viii. Southeast Asia. Thailand (GRESSITT, 1941; PASE & COSTER, 1973).
62. **Acalolepta griseipennis* (Thomson). 1 ex. v. India, Burma, Laos, Malaysia. There is a specimen in the British Museum (Natural History) from Thailand (Kanchanaburi), but there seem to be no published records from the country.
63. **Acalolepta punctifrons* (Gahan). 1 ex. vi. India, Burma.

64. *Calothyrsa margaritifera* (Westwood). 2 ex. vii-viii. Nepal. N. Thailand (BREUNING & CHUJO, 1961).
65. **Apriona germari* (Hope). 1 ex. ix. India to Vietnam, China, Korea.
66. *Batocera rubus* (Linnaeus). 4 ex. vii-ix. South and East Asia. Thailand (GRESSITT, 1941; BREUNING & CHUJO, 1962, 1964; PASE & COSTER, 1973).
67. *Batocera numitor* Newman. 13 ex. v-ix. South and East Asia. Thailand (GRESSITT, 1941; BREUNING & CHUJO, 1964; PASE & COSTER, 1973).

Dorcaschematini

68. **Cylindrepomus fouqueti* (Pic.). 1 ex. ix. Cambodia, Laos, S. Vietnam.
69. *Olenecamptus bilobus* (Fabricius). 1 ex. viii. South and East Asia. Thailand (GRESSITT, 1941).
70. **Olenecamptus dominus* Thomson. 1 ex. v. Assam, Laos, Cambodia.

Crossotini

71. **Moechotypa asiatica* (Pic.). 1 ex. vii. India, Burma, Laos, China. The species is not in the British Museum (Natural History) and was identified from GRESSITT, RONDON & BREUNING (1970).

Petrognathini

72. **Threnetica lacrymans* (Thomson). 41 ex. vi-ix. Assam, Laos, Cambodia.

Astathini

73. *Anastathes biplagiata* Gahan. 2 ex. ix. Laos. Thailand (GRESSITT, 1941).
74. **Astathes gibbicollis* Thomson. 3 ex. vii-ix. India, Burma, Laos, Malaysia.
75. **Astathes janthinipennis* Fairmaire. 1 ex. vii. Laos, N. Vietnam. The above three species (73-75) are not represented in the British Museum (Natural History) and have been identified from GRESSITT, RONDON & BREUNING (1970).

Saperdini

76. *Glenea (Glenea) pulchra* Aurivillius. 5 ex. vii-ix. India to N. Vietnam, Taiwan, Malaya, Philippines. N. Thailand (BREUNING & CHUJO, 1961, 1966a).

77. *Glenea (Glenea) indiana* (Thomson). 9 ex. vii-ix. India to N. Vietnam. N-E. Thailand (PASE & COSTER, 1973).
78. *Glenea (Glenea) nigromaculata* Thomson. 2 ex. v-vi. Burma to N. Vietnam. Thailand (GRESSITT, 1941; BREUNING & CHUJO 1962).
79. *Glenea (Aridoglenea) vaga* Thomson. 1 ex. viii. Burma, Cambodia, Laos, Malaya. N. Thailand (BREUNING & CHUJO, 1962, 1966a).
80. *Glenea (Stirolenea) cantor* (Fabricius). 11 ex. vii-ix. Laos, N. Vietnam, China, Philippines. N. & N-E. Thailand (BREUNING & CHUJO, 1961, 1962, 1966a; PASE & COSTER, 1973).
81. *Stibara humeralis* Thomson. 1 ex. iv. Burma, Laos. N-E. Thailand (PASE & COSTER, 1973).
82. **Stibara obsoleta* Thomson. 1 ex. ix. India, Burma. There is a specimen in the British Museum (Natural History) from Thailand, but there appear to be no published records from the country.
83. *Nuserpha fricator* (Dalman). 2 ex. viii. India to Indochina, China, Malaya, Indonesia, Philippines. Thailand (GRESSITT, RONDON & BREUNING, 1970).
84. **Nuserpha nigriceps* Gahan. 1 ex. viii. Burma. Laos, N. Vietnam, Malaya, Indonesia.
85. *Nuserpha quadrioculata* (Thunberg). 2 ex. vii-viii. India to N. Vietnam, Hainan I. N. Thailand (BREUNING & CHUJO, 1962).
86. *Nuserpha variabilis* Gahan. 3 ex. viii-ix. India to N. Vietnam. Thailand (GRESSITT, 1941).
87. *Oberea birmanica* Gahan. 3 ex. viii. Burma to N. Vietnam. N. Thailand (BREUNING & CHUJO 1962).

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