

## SOME SPHINGIDAE COLLECTED IN THAILAND (LEPIDOPTERA)

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## SOME SPHINGIDAE COLLECTED IN THAILAND (LEPIDOPTERA)

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### Abstract

Forty two species of Sphingidae (Lepidoptera) collected in Thailand are enumerated. Of which twenty four species are here recorded for the first time from Thailand. Twenty two species are photographed.

### Introduction

Tams, 1924, J. Nat. Hist. Soc. Siam 6 : 229-289, recorded 26 species of the Sphingidae from Thailand. During my Thailand survey in 1979, 1980 and 1981, under the Project of "Ecological studies on shifting cultivation and its transformation process to sustained upland farming", I tried to collect as many sphingid moths as possible. My collecting sites are : the Khon Kaen University Farm at Chulabhorn Dam (Nam Phrom Dam), Amphoe Khon San, Changwa Chaiyaphun, is located about 140 km west of Khon Kaen, a general elevation ca. 800 m. But one specimen was collected at Khon Kaen Province, Northeast Thailand.

Most of the material are preserved in the collection of the Entomological Laboratory, College of Agriculture, University of the Ryukyus, but some are in Dr. H. Inoue's collection.

I wish to express my sincere thanks to Dr. H. Inoue, Otsuma Women's University, for his kind advice and valuable guidance. I also wish to thank Mrs. Juthat Attajarusit, Div. of Animal and Entomology, Ministry of Agriculture, Thailand and Mr. Sawaeng Ruaysoongnem, College of Agriculture, Khon Kaen University for their helping in field survey.

The species here first recorded from Thailand will be indicated with an asterisk after species name.

### List of the Sphingidae collected in Thailand

**1. *Acherontia lachesis* (Fabricius)**

1♀, 7. viii. 1980.

**2. *Acherontia styx styx* (Westwood)**

1♂, 29. ix. 1981.

**3. *Agrius convolvuli* (Linnaeus)**

1♂, 30. ix. 1981; 1♂, 7. x. 1981.

**4. *Meganoton nyctiphanes* (Walker)**

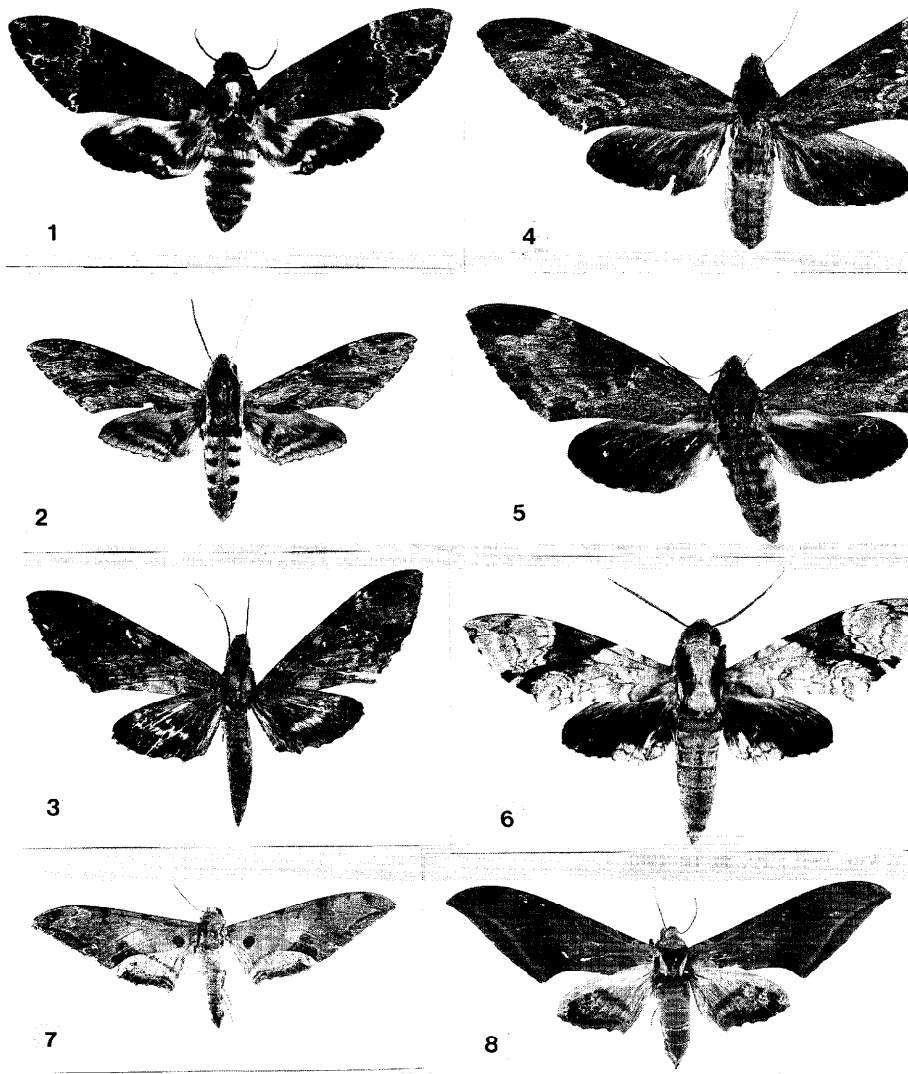
1♂, 7. viii. 1980; 2♂, 24. vii. 1980; 1♂, 25. vii. 1980; 1♀, 5. viii. 1980; 1♀, 20. viii. 1980.

5. *Psilogramma menephron menephron* (Clamer)  
46 1♀, 18. vii. 1980 ; 3♂ 3♀, 19. vii. 1980 ; 4♂ 1♀, 25. vii. 1980 ; 3♂, 18. viii. 1980 ; 5039, 20. viii. 1980 ;  
4♂, 26. viii. 1980 ; 1♂, 14. vii. 1981 ; 1♀, 16. ix. 1981 ; 1♂ 1♀, 29. ix. 1981 ; 1♂, 30. ix. 1981.
6. *Psilogramma rufescens rufescens* (Butler)\*  
19, 19. vii. 1980 ; 1♀, 26. viii. 1980.
7. *Megacorma oblique* (Walker)\*  
1♂, 20. viii. 1980 ; 19, 17. iv. 1981 ; 2♂, 18. vii. 1981.
8. *Poliana leucomelas* Rothschild & Jordan\*  
1♀, 25. vii. 1980.
9. *Dolbina inexacta* (Walker)\*  
1♂, 18. vii. 1980 ; 1♂, 19. vii. 1980 ; 1♂, 20. viii. 1980.
10. *Ambulyx ochracea* Butler\*  
1♂, 7. viii. 1980 ; 1♂, 8. viii. 1980 ; 30, 18. viii. 1980 ; 1♂, 19. viii. 1980 ; 5♂ 2♀, 20. viii. 1980 ; 1♀,  
26. viii. 1980 ; 1♂, 18. v. 1981 ; 1♂, 14. viii. 1981 ; 1♂, 7. x. 1981.
11. *Ambulyx substrigilis aglaia* (Jordan)\*  
1♂, 19. vii. 1980 ; 2♂, 7. vii. 1980 ; 1♀, 20. viii. 1980.
12. *Ambulyx liturata* Butler\*  
1♀, 14. viii. 1980 ; 1♂, viii. 19. 1980.
13. *Ambulyx kuangtungensis* (Mell)\*  
1♂ 1♀, 20. viii. 1980 ; 1b, 26. viii. 1980 ; 1b, 7. x. 1981.
14. *Marumba dyras dyras* (Walker)  
1♂, 18. vii. 1980 ; 1♂, 17. iv. 1981.
15. *Marumba sperchius gigas* (Butler)\*  
2♂ 1♀, 19. vii. 1980 ; 1♂, 8. viii. 1980 ; 1♂, 20. viii. 1980 ; 16, 17. iv. 1981 ; 1♂, 25. v. 1981.
16. *Parum colligata* (Walker)\*  
1♀, 15. viii. 1980.
17. *Parum porphyria porphyria* (Butler)\*  
1♂, 19. vii. 1980 ; 1♂, 24. vii. 1980 ; 1♂, 19. viii. 1980 ; 1b, 20. viii. 1980 ; 1♂, 17. iv. 1981 ; 1♀, 16.  
ix. 1981.
18. *Cypoides chinensis* (Rothschild & Jordan)\*  
1♂, 7. viii. 1980 ; 26, 8. viii. 1980 ; 2♂ 1♀, 24. viii. 1980 ; 3♂, 25. viii. 1980.
19. *Callambulyx poecilus* (Rothschild)\*  
1♂, 25. vii. 1980.
20. *Daphnis hypothous hypothous* (Cramer)  
1♂ 1♀, 18. vii. 1980 ; 1♂, 19. vii. 1980 ; 30, 25. vii. 1980 ; 1♂, 14. viii. 1981 ; 36 1♀, 29. ix. 1980 ; 1♀,  
2. x. 1981 ; 1♂, 7. x. 1981.
21. *Daphnis nerii* (Linnaeus)  
1b, 19. x. 1981, Kohn Kaen.
22. *Ampelophaga dolichoides* (Felder)\*  
1b, 29. ix. 1981 ; 1b, 25. x. 1981.
23. *Acosmeryx Socrates Socrates* Boisduval  
8♂ 1♀, 18. vii. 1980 ; 11♂ 1♀, 19. viii. 1980 ; 3♂, 24. vii. 1980 ; 26, 7. viii. 1980 ; 16, viii. 1980 ; 3♂,  
19. viii. 1980 ; 1b, 25. viii. 1980 ; 1♀, 26. viii. 1980 ; 1♂, 25. v. 1981 ; 26, 7. x. 1981 ; 3♂, 17. x. 1981 ;  
1♂, 19. x. 1981.
24. *Acosmeryx anceus subdentata* Rothschild & Jordan\*  
16, 18. viii. 1980 ; 2♂ 1♀, 19. vii. 1980 ; 2♂, 8. viii. 1980 ; 1♂, 26. viii. 1980 ; 1♂, 25. v. 1981 (Sawaeng  
leg.).

25. *Acosmeryx naga* (Moore)\*  
26, 18. viii. 1980.
26. *Acosmeryx sericeus sericeus* (Walker)\*  
1♂, 18. vii. 1980; 16, 19. vii. 1980; 1♂, 7. viii. 1980; 2♂, 8. viii. 1980.
27. *Elibia dolichus* (Westwood)\*  
1♂, 7. viii. 1980.
28. *Nephele didyma* (Fabricius)  
1♂, 7. viii. 1980.
29. *Eurypteryx bhuga* (Moore)\*  
1♀, 17. iv. 1981.
30. *Macroglossum hemichroma* (Drury)\*  
1♀, 18. ii. 1981.
31. *Hippotion boerhaviae* (Fabricius)  
1♂, 30. ix. 1981; 1♂, 7. x. 1981; 1♂, 17. x. 1981.
32. *Hippotion echeclus* Boisduval  
1♀, 7. x. 1981.
33. *Theretra nessus* (Drury)  
5♂, 18. vii. 1980; 3♂, 19. vii. 1980; 8♂, 7. viii. 1980; 6♂1♀, 8. viii. 1980; 3♂, 18. viii. 1980; 7♂, 19. viii. 1980; 13♂, 20. viii. 1980; 1♂, 24. viii. 1980; 4♂1♀, 29. ix. 1981; 9♂9♀, 30. ix. 1981; 2♂, 8. x. 1981; 2♂, 19. x. 1981; 1♀, 2. xi. 1981.
34. *Theretra boisduvalii* (Bugnion)\*  
2♂, 7. vii. 1980; 1♂1♀, 8. vii. 1980; 1♂3♀, 24. viii. 1980; 1♀, 16. ix. 1981; 1♀, 29. ix. 1981; 1♂, 19. x. 1981.
35. *Theretra clotho clotho* (Drury)  
1♀, 18. vii. 1980; 3♂1♀, 19. vii. 1980; 2♂, 25. vii. 1980; 5♂1♀, 7. viii. 1980; 1♂1♀, 18. viii. 1980; 5♂, 19. viii. 1980; 36, 20. viii. 1980; 1♂, 17. iv. 1981; 5♂1♀, 29. ix. 1981; 3♂2♀, 30. ix. 1981; 20, 7. x. 1981; 1♂1♀, 19. x. 1981.
36. *Theretra latreillei lucasii* (Walker)  
16, 7. viii. 1981; 1♀, 30. ix. 1981.
37. *Theretra lycetus* (Cramer)\*  
1♂, 7. viii. 1980; 1♂, 18. viii. 1980.
38. *Theretra oldenlandiae oldenlandiae* (Fabricius)  
20, 19. vii. 1980; 2♂, 7. x. 1981; 1♂, 8. x. 1981.
39. *Theretra pinastrina pinastrina* (Martyn)  
1♂, 7. x. 1981.
40. *Pergesa acteus* (Cramer)  
1♀, 7. viii. 1980; 1♂, 16. viii. 1980; 1♀, 24. viii. 1980; 1♂, 2. xi. 1981.
41. *Cechenena aegrota aegrota* (Butler)\*  
26, 26. viii. 1980; 1♂, 25. v. 1981.
42. *Cechenena lineosa* Walker\*  
2♂, 18. vii. 1980; 1♂, 19. vii. 1980; 1♂, 24. vii. 1980; 2♂1♀, 26. vii. 1980; 6♂, 7. viii. 1980; 2♂2♀, 8. viii. 1980; 7♂2♀, 20. viii. 1980; 2♂1♂, 17. iv. 1981; 1♂, 14. viii. 1981.

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- Fig. 1. *Acheron tia* **Zachesis** (Fabricius)  
 Fig. 2. *Agrius convolvuli* (Linnaeus)  
 Fig. 3. *Dolbina inexacta* (Walker)  
 Fig. 4. **Megnoton** *nyctiphanes* (Walker)  
 Fig. 5. *Psilogramma menephron* menephron (Clamer)  
 Fig. 6. **Megacorma** *oblique* (Walker)  
 Fig. 7. *Ambulyx kuangtungensis* (Mell)  
 Fig. 8. *Ambulyx ochracea* Butler

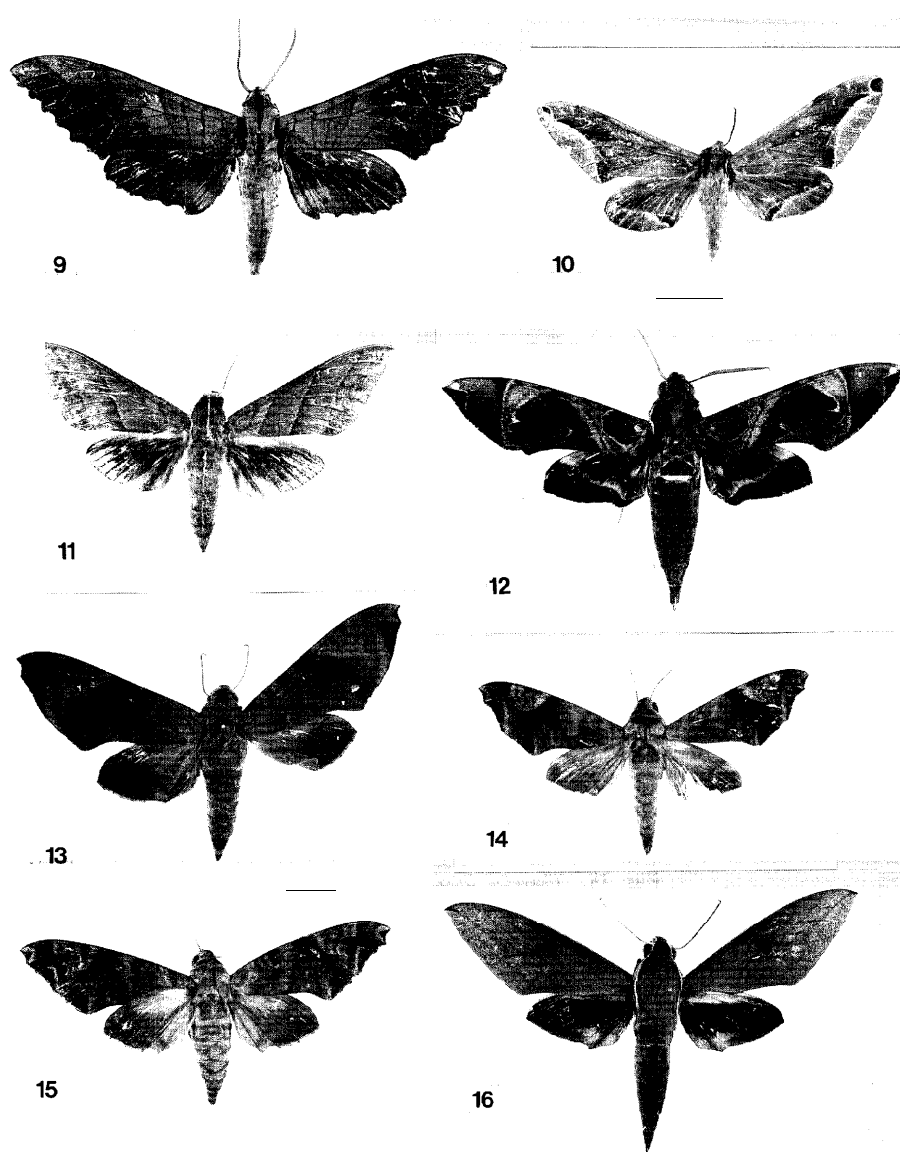


Fig. 9. *Marumba sperchius gigas* (Butler)

Fig. 10. *Parum colligata* (Walker)

Fig. 11. *Ampelophaga dolichoides* (Felder)

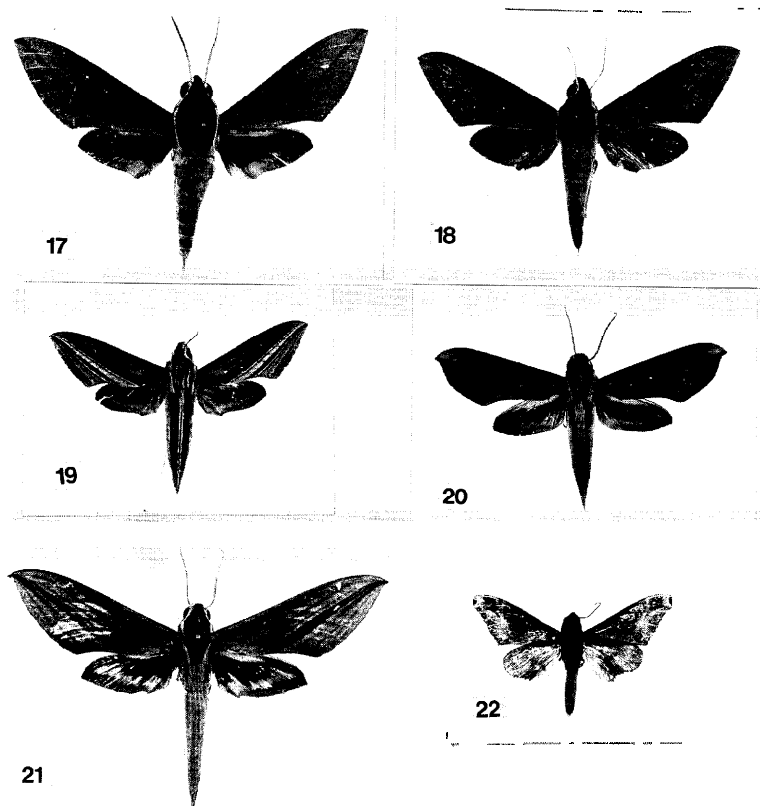
Fig. 12. *Daphnis hypothous hypothous* (Cramer)

Fig. 13. *Acosmeryx Socrates Socrates* (Boisduval)

Fig. 14. *Acosmeryx anceus subdentata* Rothschild & Jordan

Fig. 15. *Acosmeryx sericeus sericeus* (Walker)

Fig. 16. *Theretra boisduvalii* (Bugnion)



- Fig. 17. *Theretra clotho clotho* (Drury)  
 Fig. 18. *Theretra latreillei lucasii* (Walker)  
 Fig. 19. *Theretra oldenlandiae oldenlandiae* (Fabricius)  
 Fig. 20. *Pergesa acteus* (Cramer)  
 Fig. 21. *Cechenena lineosa* Walker  
 Fig. 22. *Parum porphyria porphyria* (Butler)