

# The Hawkmoth Specimens (Lepidoptera: Sphingidae) Deposited in the Natural History Museum of the National Science Museum, Thailand

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## Abstract

A checklist of the hawkmoth specimens housed in the Natural History Museum of the National Science Museum, Thailand (THNHM) is presented. A total of 1,405 specimens of 97 species, 39 genera in three subfamilies (Sphinginae, Smerinthinae, and Macroglossinae) are deposited in THNHM. With 58 species (821 non-type specimens, ca. 58% of the total specimens), Macroglossinae has the largest representation. The Sphingidae specimens were collected mainly in Thailand and other countries in Southeast Asia in the past 54 years. The high-resolution images of all species are provided.

## Keywords

Specimens, Natural History Museum, National Science Museum, Sphingidae, Thailand

## Introduction

Sphingidae (hawkmoths, sphinx moths) is amongst the best-known insect families worldwide, consisting of 1400 species in some 200 genera (Kitching and Cadiou, 2000). It is best represented in the tropics, but species are found in every region. The family was named by French zoologist Pierre André Latreille in 1802. Sphingids have become a model group for studies of genetics, physiology, development, plant-herbivore interactions, pollination biology, and biogeography (Kawahara *et al.*, 2009; Jeenkoed *et al.*, 2016; Chakraborty *et al.*, 2018; Polpinij, 2017). Unfortunately, the caterpillar of some species can be very destructive to agricultural crops. Though hawkmoths play important roles in the ecosystem, data on species lists and geographic distribution in Thailand remain limited, as well as the lack of a complete and up-to-date listing of the species (Azuma, 1990; Inoue *et al.*, 1997).

The Natural History Museum of the National Science Museum in Thailand (THNHM) was established in 1995 belonging to the Ministry of Higher Education, Science, Research, and Innovation. The museum maintains a large collection of plant, bird, amphibian, reptile, mammal, animal horn, antler, and insect specimens which is one of the most important collections in Southeast Asia. There are over 1,405 specimens of Sphingidae housed in THNHM, nearly all specimens were received from the Thailand Institute of Scientific and Technological Research (TISTR), collected during 1968 to 1973. Most of the specimens were unlabeled and mislabeled specimens. Furthermore, the THNHM's collection of Sphingidae had not been examined since 2000. Here, we updated a full species list and the geographical distribution in various provinces of Thailand. The present catalog checklist would be beneficial and useful to encourage the use of the collections for academic and personal research.

## Materials and methods

Every specimen of hawkmoth deposited in the THNHM was examined (Figures 1). Localities have been corrected when they were misspelled in the original labels; some additional locality information missing in specimen labels is also provided. Male and female specimens for each species were imaged using an Nikon micro Len 105 mm attached to a Nikon Z6 Mirrorless FX-Format Full-Frame 4K Ultra HD.

The list of the specimens is arranged alphabetically by genus and species, following the format:

### *Specific name author, publication date*

*Original name*, author(s), publication date: pages of the original description. Type locality.

**Non-type material examined.** *COUNTRY*: Number of specimen and sex (THNHM code), locality, date (months in Roman numerals), collector (leg.).

**Distribution.** Province.

**References.** Author(s) (publication year), if available.



**Figure 1.** Specimens and labels of hawk moth deposited in the THNHM. A, specimens of *Theretra clotho*; B, specimen and label of *Acherontia lachesis*; C, label of *Acherontia lachesis*

**Table 1.** Number of the Sphingidae specimens deposited in the Natural History Museum of the National Science Museum, Thailand.

Subfamilies	Number of Genera	Number of Species	Number of specimens
Sphinginae	9	11	202
Smerinthinae	12	28	382
Macroglossinae	18	58	821
<b>Total</b>	<b>39</b>	<b>97</b>	<b>1,405</b>

### Catalog of the Specimens

This catalog presents a list of the Sphingidae specimens deposited in THNHM. A total of 1,405 specimens belonging to 97 species (ca. 49% of all species recorded from Thailand), 39 genera in three subfamilies (Sphinginae, Smerinthinae, and Macroglossinae. With 58 species (821 non-type specimens, ca. 58% of the total specimens), Macroglossinae has the largest representation. The Sphingidae specimens were collected mainly in Thailand and other countries in Southeast Asia in the past 54 years.

### Order Lepidoptera Linnaeus, 1758

#### Family Sphingidae Latreille, 1802

#### Subfamily Sphinginae Latreille, 1802

#### *Acherontia lachesis* (Fabricius, 1798) (Figure 2A–B)

*Sphinx lachesis* Fabricius, 1798: 434. Type locality: India Oriental.

**Material examined.** **NORTHERN:** 1♂ (THNHM-I-22345), Chiang Mai Prov., Fang Dist. [= Phang Dist.], Doi Ang Khang, 9.III.2002, W. Jaitrong leg.; 1♀ (THNHM-I-22344), Same locality, date and collector.; 1♀ (THNHM-I-22346), Chiang Mai Prov., Mae Taeng Dist., Ban Kued Chang, Hui Nam Dung, 19°19' 0.41"N, 98°35'5.28"E, 1,722 m. a.s.l., 6.XI.2011, T. Jeenthong leg.; 1♂ (THNHM-I-22348), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2012., T. Jeenthong leg. **WESTERN:** 1♂ (THNHM-I-24902), Kanchanaburi Prov., Sai Yok Dist., Ban Pu Toei, 22.VI.1971, S. Pongsa leg.; **NORTHEASTERN:** 1♂ (THNHM-I-24901), Nakhon Ratchasima [= Khorat] Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 26.VI.1968, KOBY leg. **CENTRAL:** 2♀ (THNHM-I-22350 and THNHM-I-22351), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.V.2020, T. Jeenthong leg.; 1♂ (THNHM-I-25098), same locality. 12.VI.2020, light trap, W. Jaitrong and T. Jeenthong leg.; 1♀ (THNHM-I-22165), same locality, 17.X.2020, P. Rattanalum leg. **EASTERN:** 1♀ (THNHM-I-24900), Chanthaburi Prov., Khao Soi Dao Tai, 25.II.1967, N. Nadee leg. **SOUTHERN:** 1♂ (THNHM-I-22349), Chumphon Prov., Krom Loung Chumporn W.S., Tropical Rain Forest, 2.II.2002, W. Jaitrong leg.; 1♂ (THNHM-I-22347), Nakhon Si Thammarat Prov., Noppitam Dist., Khao Nan N.P., Lum Nam Khlong Gay, 10.X.2007, T. Jeenthong leg.

**Distribution.** Chiang Mai, Phrae, Kanchanaburi, Nakhon Ratchasima, Saraburi, Chanthaburi, Chumphon, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Dokchan *et al.* (2013); Ponpinij (2017); Thailand Nature Project (2021).

***Acherontia styx* (Westwood, 1847)** (Figure 2C–D)

*Sphinx styx* Westwood, 1847: 88. Type locality: East Indies.

**Material examined.** **WESTERN:** 1♂ (THNHM-I-22352), Kanchanaburi Prov., Sai Yok Dist., Mahidol University, Kanchanaburi Campus, 10.VII.2017, T. Jeenthong & W. Sanguansombat leg. **CENTRAL:** 1♂ (THNHM-I-22679), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 12.IX.2020, M. Chuenwatanakul leg.; 1♀ (THNHM-I-24167), same locality, 12.XII.2020, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-24168), same locality and date, T. Anuttaragulwanit leg.; 1♂ (THNHM-I-24595), same locality, 3.IV.2021, W. Papoonrai leg.; 1♀ (THNHM-I-25080), same locality, 15.XI.2020, T. Anutaragulwanit leg.; 1♂ (THNHM-I-24905), Nakhon Pathom Prov., Kamphaeng Saen Dist., 15.VI.2013, W. Jaitrong leg.; 1♀ (THNHM-I-25099), same locality, 12.VI.2020, light trap, W. Jaitrong & J. Jeenthong leg.

**Distribution.** Kanchanaburi, Saraburi, and Nakhon Pathom Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Dokchan *et al.* (2013); Ponpinij (2017); Thailand Nature Project (2021).

***Agrius convolvuli* (Linnaeus, 1758)** (Figure 2E–F)

*Sphinx convolvuli* Linnaeus, 1758: 490. Type locality: not stated [Europe].

**Material examined.** **WESTERN:** 1♂ (THNHM-I-22342), Kanchanaburi Prov., Thong Pha Phum Dist., 19.XII.2003, W. Jaitrong leg.; 1♂ (THNHM-I-24898) and 1♀ (THNHM-I-24899), Kanchanaburi Prov., Sai Yok Dist., Kwae-noi, Ban Pu Toei, 22.VI.1971, S. Pongsa leg. **NORTHEASTERN:** 1♂ (THNHM-I-24895) and 1♀ (THNHM-I-24894), Ubon Ratchathani Prov., Muang Dist., Ubon Ratchathani Zoo, light trap, 26.VI.2016, T. Jeenthong leg. **CENTRAL:** 1♀ (THNHM-I-24906), Bangkok, Saphan Kuay, 1.IV.1973, Porntip leg.; 1♀ (THNHM-I-22343), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 1♀ (THNHM-I-24169), same locality, 12.XII.2020, P. Chuenwatanakul leg.; 2♀, (THNHM-I-25100 and THNHM-I-25101), same locality, 12.VI.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-25095) Pathum Thani Prov., Khlong Luang Dist., National Science Museum, 14.VI.2021, W. Jaitrong & T. Jeenthong leg. **EASTERN:** 2♀ (THNHM-I-24896 and THNHM-I-24897), Chon Buri Prov., Si Racha Dist., 19.II.1967, P. Lohayanijaya leg.

**Distribution.** Kanchanaburi, Ubon Ratchathani, Saraburi, Bangkok, Pathum Thani, and Chon Buri Province.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Cerberonoton rubescens* (Butler, 1876)** (Figure 2G–H)

*Diludia rufescens* Butler, 1875: 260. Type locality: North India.

**Material examined.** **NORTHEASTERN:** 1♂ (THNHM-I-24904), Nakhon Ratchasima [= Khorat] Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station., 16.IX.1967, S. Pongsapipatana leg., SP-I-vii-I. **SOUTHERN:** 1♂ (THNHM-I-22659), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Yod Nam Waterfall, 1.II.2008, T. Jeenthong leg.; 1♂ (THNHM-I-24903), same locality and collector, 30.X.2008, B301008-28.

**Distribution.** Nakhon Ratchasima, and Nakhon Si Thammarat Province.

**References.** Inoue *et al.* (1997).



***Dolbina inexacta* (Walker, 1856) (Figure 3A–B)**

*Macrosila inexacta* Walker, 1856: 208. Type locality: North India.

**Material examined.** **NORTHERN:** 1♀ (THNHM-I-22521), Chiang Mai Prov., Fang Dist., Doi Ang Khang Royal Project, 9.III.2002, W. Jaitrong leg. **WESTERN:** 1♂ (THNHM-I-22328), Kancharaburi Prov., Thong Pha Phum Dist., Sahakon Nikhom Subdist., 13.VII.2018, W. Jaitrong leg. **NORTHEASTERN:** 7♂ (THNHM-I-24571 to THNHM-I-24577), Nakhon Ratchasima Prov., Wang Num Khiao Dist., Sakaerat Environmental Research Station., 13.III.2021, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-24692), 2♂ (THNHM-I-24693 and THNHM-I-24694), same locality, 22.III.2021, T. Jeenthong leg.

**Distribution.** Chiang Mai, Kancharaburi, and Nakhon Ratchasima Provinces.

**References.** Inoue *et al.* (1997); Ponpinij (2017).

***Megacorma obliqua* (Walker, 1856) (Figure 3C–D)**

*Macrosila obliqua* Walker, 1856: 208. Type locality: Ceylon [Sri Lanka].

**Material examined.** **NORTHERN:** 1♂ (THNHM-I-22489) and 1♀ (THNHM-I-22490), Chiang Mai Prov., Fang [= Phang] Dist., Doi Ang Khang Royal Project, 9.III.2002, W. Jaitrong leg. **WESTERN:** 1♂ (THNHM-I-22493), Kancharaburi Prov., Thong Pha Phum Dist., Sahakon Nikhom Subdist., 13.VII.2018, W. Jaitrong leg.; 1♂ (THNHM-I-24907), Kancharaburi Prov., Sai Yok Dist., Ban Pu Toei, 15.VI.1971, P. Lohavanijaya leg.; 1♂ (THNHM-I-24908), same locality, 19.VI.1971, S. Pongsa leg. **NORTHEASTERN:** 1♂ (THNHM-I-22790), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong & T. Jeenthong leg. **SOUTHERN:** 1♀ (THNHM-I-22491), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Nan N.P., Lam Nam Khlong Gay, 10.XII.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22492), same province and national park, Sichon Dist., Yod Nam Waterfall, 8°54'32.6"»N, 99°43'55.3"»E, 26.VI.2008, W. Jaitrong leg.

**Distribution.** Chiang Mai, Kancharaburi, Nakhon Ratchasima, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Meganoton nyctiphanes* (Walker, 1856) (Figure 3E–F)**

*Macrosila nyctiphanes* Walker, 1856: 209. Type locality: Silhet [Sylhet] [Bangladesh].

**Material examined.** **WESTERN:** 2♂ (THNHM-I-22471 and THNHM-I-22472), Kancharaburi Prov., Thong Pha Phum Dist., Thong Pha Phum N.P., 19.XII.2003, W. Jaitrong leg.; 2♂ (THNHM-I-24909 and THNHM-I-24910), Kancharaburi Prov., Sai Yok Dist., Ban Pu Toei, 15.VI.1971, P. Lohavanijaya leg.; 2♂ (THNHM-I-24911 and THNHM-I-24912), same locality, 22.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-22484), Tak Prov., Umphang Dist., Umphang W.S., light trap, 26.I.215, T. Jeenthong leg. **NORTHEASTERN:** 1♂ (THNHM-I-22469), Loei Prov., Phu Luang Dist., Phu Luang W.S., Khoknokka, 17°16'52.3"»N, 101°31'23.5"»E, 1,485 m a.s.l., 27.IX.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22480), Mukdahan Prov., Khamcha-i Dist., Phu Sitan W.S., Kang Chang Nium, 1.IX.2007, T. Jeenthong leg. **CENTRAL:** 1♀ (THNHM-I-22470), Bangkok Prov., Bang Khean Dist., Wee Farm, 4.IX.2002, W. Jaitrong leg.; 1♂ (THNHM-I-24913), Nong Khae [=Nong Kae] (Saraburi Prov.?), 24–25.VI.1966, P. Reeves leg., PR-6-C-3.; 2♂ (THNHM-I-22486 and THNHM-I-22487) and 1♀ (THNHM-I-22488),

Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 1♀ (THNHM-I-22660), same locality, 8.VIII.2020, M. Chuenwatanakul leg.; 1♀ (THNHM-I-22661), same locality and date, D. Pumalee leg.; 1♂ (THNHM-I-22662), same locality and date, P. Puangsombat leg.; 1♀ (THNHM-I-22663), same locality and date, T. Khantharak leg.; 1♀ (THNHM-I-22664), same locality, same date, K. Laohavisit leg.; 1♂ (THNHM-I-22665), same locality and date, P. Rattanajul leg.; 3♂ (THNHM-I-22666 to THNHM-I-22668) and 1♀ (THNHM-I-22669), same locality and date, T. Jeenthong leg.; 1♀ (THNHM-I-22670), same locality, 29.VII.2020, T. Jeenthong leg.; 1♂ (THNHM-I-22671), same locality and collector, 12.IX.2020; 2♂ (THNHM-I-23977 and THNHM-I-23979) and 1♀ (THNHM-I-23978) same locality, 16.I.2021, W. Jaitrong & T. Jeenthong leg.; 3♂ (THNHM-I-24727 to THNHM-I-24729), same locality and collector, 15.V.2021; 1♂ (THNHM-I-24151), same locality, 12.XII.2020, T. Harnsilawat leg.; 1♂ (THNHM-I-24152), same locality and date, W. Jaitrong & T. Jeenthong leg.; 5♀ (THNHM-I-25102 to THNHM-I-25106) and 12♂ (THNHM-I-25107 to THNHM-I-25117 and THNHM-I-26189), same locality and collector, 12.VI.2020.; 3♂ (THNHM-I-22190 to THNHM-I-22192) same locality, 17.X.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22155), same locality and date, P. Rattanajul leg. 1♂ (THNHM-I-22176), same locality, 17.10.2020, J. Phonprasitgul leg. **EASTERN:** 1♂ (THNHM-I-22482), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, 11°37' 26.4"N, 102°32' 48.6"E, 16.IV.2009, T. Jeenthong leg.; 1♀ (THNHM-I-22483), Chanthaburi Prov., Khlung Dist. Ban Ang Et, 3.VIII.2014, W. Jaitrong leg. **SOUTHERN:** 1♂ (THNHM-I-22476), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Huai Lak, 5.IV.2006, T. Jeenthong leg.; 1♂ (THNHM-I-22477), same province and N.P., Sichon Dist., Yod Nam Waterfall, 8°54' 32.6"N, 99°43' 55.3"E, 26.VI.2008, W. Jaitrong leg.; 1♀ (THNHM-I-22478) and 1♂ (THNHM-I-22479), same province and national park, Tha Sala Dist., Head Quarter, Light trap, 47 m a.s.l., 22.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.

**Distribution.** Kanchanaburi, Tak, Loei, Mukdahan, Bangkok, Saraburi, Trat, Chanthaburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### ***Notonogmia analis* (Felder and Felder, [1874]) (Figure 3G–H)**

*Sphinx analis* Felder and Felder, in Felder *et al.*, [1874], pl. 78, fig. 4. Type locality: Shanghai [China].

**Material examined.** **WESTERN:** 1♂ (THNHM-I-22473), Kanchanaburi Prov., Thong Pha Phum Dist., 19 XII.2003, W. Jaitrong leg.; 1♂ (THNHM-I-24916), Kanchanaburi Prov., Sai Yok Dist., Ban Pu Toei, 15.VI.1971. P. Lohavanijaya leg.; 1♀ (THNHM-I-22474), Kanchanaburi Prov., Thong Pha Phum Dist., Ban Sahakon Nikhom, 13.VII.2018, W. Jaitrong leg.

**Distribution.** Kanchanaburi Province.

**References.** Inoue *et al.* (1997); Ponpinij (2017).

### ***Psilogramma increta* (Walker, [1865]) (Figure 4A–B)**

*Anceryx increta* Walker, [1865]: 36., Type locality: Shanghai [China].

**Material examined.** **NORTHERN:** 1♀ (THNHM-I-22516) and 1♂ (THNHM-I-22517), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2012, T. Jeenthong leg.; 2♂ (THNHM-I-22518 and THNHM-I-22519), Lampang Prov., Hang Chat Dist., Thong Kwian Forest Plantation, 26.VI.2013, light trap, T. Jeenthong leg.; 1♀ (THNHM-I-22520), Nan Prov., Pua Dist.,

Phu Ka N.P., 20.IV.2004. W. Jaitrong leg. **WESTERN:** 3♂ (THNHM-I-24921, THNHM-I-24925 and THNHM-I-24926), Kanchanaburi Prov., Sai Yok Dist., Ban Pu Toei, 16.VI.1971, P. Lohavanijaya leg.; 1♂ (THNHM-I-24922), same locality, 22.VI. 1971, S. Pongsa leg.; 2♂ (THNHM-I-24923 and THNHM-I-24927), same locality and collector, 23.VI.1971. **NORTH-EASTERN:** 1♀ (THNHM-I-24917), Nakhon Ratchasima Prov., Wang Nam Khiao Subdist., Faculty of Forestry Camp, unknow date and collector.; 1♀ (THNHM-I-22788), Nakhon Ratchasima Prov., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong and T. Jeenthong leg.; 1♂ (THNHM-I-24919), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai National Park, 1-4 May.1973. L. Pakamseree leg., 1♂ (THNHM-I-24920), Nakhon Ratchasima Prov., Wang Nam Khiao, Sakaerat Environmental Research Station, 18.III.1963, KOBAY.; 1♂ (THNHM-I-24924), same locality, 18.VI.1968, unknown collector. **CENTRAL:** 1♂ (THNHM-I-25119), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 12.VI.2012. light trap, W. Jaitrong and T. Jeenthong leg.; 1♂ (THNHM-I-24163), same locality, 12.XII.2020. P. Noparatvarakorn leg.; 3♂ (THNHM-I-24164 to THNHM-I-24166), same locality, 14.XII.2020, W. Jaitrong and T. Jeenthong leg.; 3♂ (THNHM-I-23974 to THNHM-I-23976), same locality, 16.I.2021, W. Jaitrong leg.; 1♂ (THNHM-I-24738), same locality and collector, 15.VI.2021.; 1♂ (THNHM-I-25091), same locality and collector, 23.II.2021. **EASTERN:** 1♂ (THNHM-I-22514), Trat Prov., Khlung Yai Dist., Yada Resort, 11°47'22.4" N, 102°52'23.5" E, 2 m a.s.l., 17.IX.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22515), same locality, 17. IX. 2009, T. Jeenthong leg.; 1♂ (THNHM-I-22522), Sa Kaeo Prov. Ta Phraya Dist., Khao Ai Dang, 30.VII.2008. T. Jeenthong leg.; 1♂ (THNHM-I-24918), Rayong Prov., Klaeng Dist., Ko Mun Nai, Secondary Forest, 24.II.2007, T. Jeenthong leg.

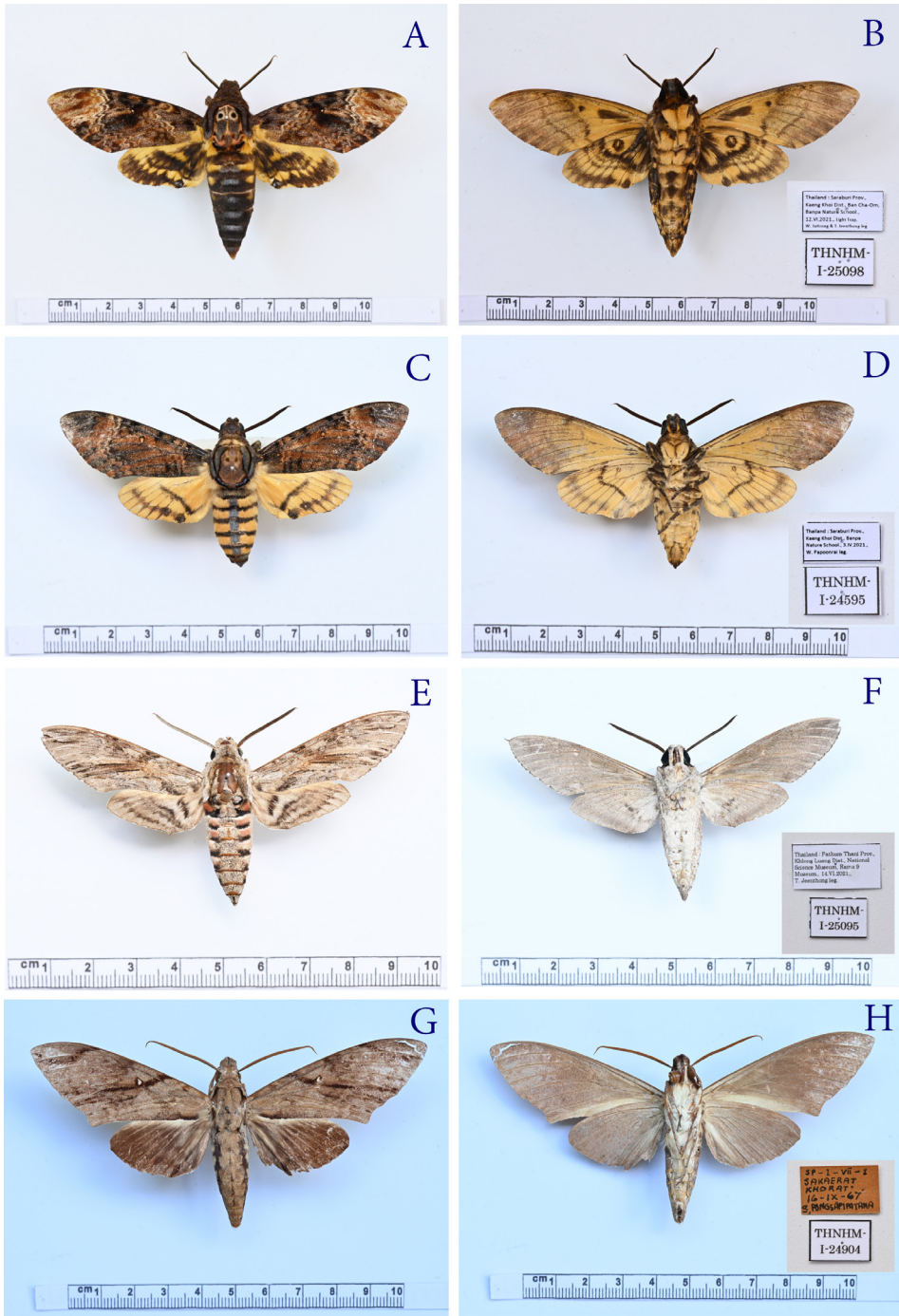
**Distribution.** Phrae, Lampang, Nan, Kanchanaburi, Nakhon Ratchasima, Saraburi, Trat, Sa Kaeo, and Rayong Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Dokchan *et al.* (2013); Ponpinij (2017); Thailand Nature Project (2021).

### *Psilogramma menephron* (Cramer, 1780) (Figure 4C–D)

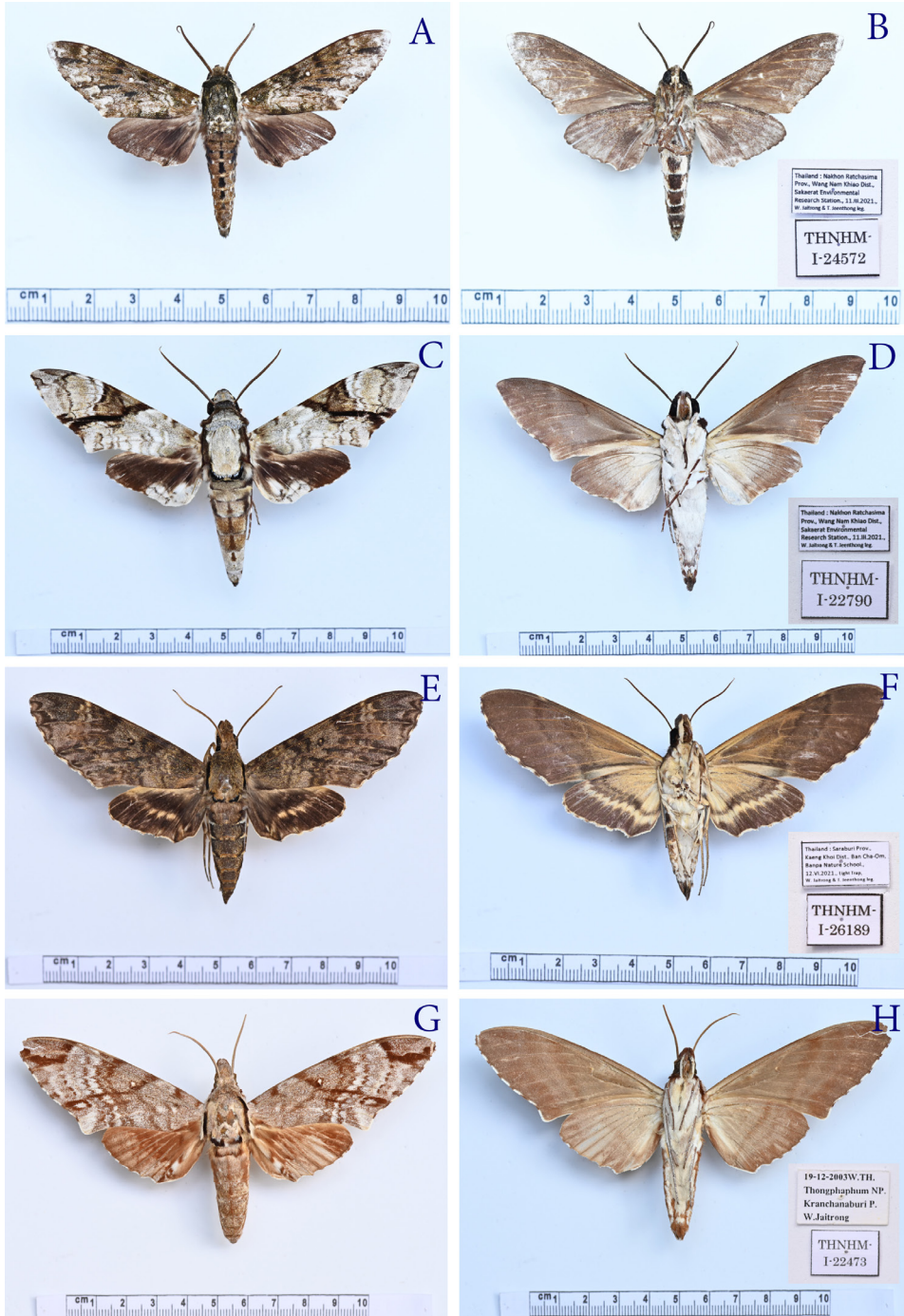
*Sphinx menephron* Cramer, [1780]: 164, pl. 285, f. A. Type locality: Amboina.

**Material examined.** **WESTERN:** 1♂ (THNHM-I-22507), Tak Prov., Um Phang Dist., Thung Yai Naresuan east W.S., 24.IX.2016, T. Jeenthong leg.; 2♂ (THNHM-I-22475 and THNHM-I-22508), Kanchanaburi Prov., Thon Pa Pom Dist., Sahakon Nikom, 14.VII.2018. W. Jaitrong leg.; 2♀ (THNHM-I-22509 and THNHM-I-22510), same locality, 13.07.2018, W. Jaitrong leg.; 1♂ (THNHM-I-22504), Kanchanaburi Prov., Thon Pa Pom Dist., Thon Pa Pom N.P. 19.12.2003, W. Jaitrong leg. **NORTHEASTERN:** 7♂ (THNHM-I-24623, THNHM-I-24624, THNHM-I-24626, THNHM-I-24627, THNHM-I-24628, THNHM-I-24629 and THNHM-I-24630), Nakhon Ratchasima Prov., Sakaerat Environmental Research Station [=Sa Kae Rat], 22.III.2021. W. Jaitrong and T. Jeenthong leg.; 4♂ (THNHM-I-24620 to THNHM-I-24622 and THNHM-I-24625), same locality and collector, 11.III.2021.; 1♂ (THNHM-I-24928), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai. 1-4.05.1973, L. Pakamseree leg.; 1♀ (THNHM-I-24989) Nakhon Ratchasima Prov., Wang Nam Khiao Dist., 26.VI.1968., unknow collector.; 1♀ (THNHM-I-24929) and 7♂ (THNHM-I-24930, THNHM-I-24987, THNHM-I-24988, THNHM-I-24990 to THNHM-I-24993) Nakhon Ratchasima Prov., Khao Yai N.P., 1-4.V.1973. L. Pakamseree leg. **CENTRAL:** 2♂ (THNHM-I-22502 and THNHM-I-22503) Nakhon Nayok Prov., Mueang Dist., Khao Khieo, 8.V.2002, W. Jaitrong leg.; 1♂ (THNHM-I-22687), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature



**Figure 2.** Specimens and labels of Sphingidae deposited in THNHM. A, *Acherontia lachesis*, dorsal view; B, *Acherontia lachesis*, ventral view and labels; C, *Acherontia styx*, dorsal view; D, *Acherontia styx*, ventral view and labels; E, *Agrius convolvuli*, dorsal view; F, *Agrius convolvuli*, ventral view and labels; G, *Cerberonoton rubescens*, dorsal view; H, *Cerberonoton rubescens*, ventral view and labels.





**Figure 3.** Specimens and labels of Sphingidae deposited in THNHM. A, *Dolbina inexacta*, dorsal view; B, *Dolbina inexacta*, ventral view and labels; C, *Megacorma obliqua*, dorsal view; D, *Megacorma obliqua*, ventral view and labels; E, *Meganoton nyctiphanes*, dorsal view; F, *Meganoton nyctiphanes*, ventral view and labels; G, *Notonagemia analis*, dorsal view; H, *Notonagemia analis*, ventral view and labels.



**Figure 4.** Specimens and labels of Sphingidae deposited in THNHM. A, *Psilogramma increta*, dorsal view; B, *Psilogramma increta*, ventral view and labels; C, *Psilogramma menephron*, dorsal view; D, *Psilogramma menephron*, ventral view and labels; E, *Rothinjoa leucomelas*, dorsal view; F, *Rothinjoa leucomelas*, ventral view and labels; G, *Ambulyx canescens*, dorsal view; H, *Ambulyx canescens*, ventral view and labels.



School, 12.IX.2020. T. Uyyanonvara leg.; 1♀ (THNHM-I-25118), same locality, 12.VI.2021. W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-24179), same locality 15.IX.2020, D. Pumalee leg., 1♀ (THNHM-I-24180), same locality 12.XII.2020, T. Uyyanonvara leg., 1♀ (THNHM-I-24181), same locality and date, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-23973), same locality, 16.I.2021, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-25089 and THNHM-I-25090), same locality, 13.II.2021, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-25272), same locality, 15.XII.2020, P. Noparatvarakorn leg.; 1♂ (THNHM-I-22156), same locality, 17.X.2020. P. Kantharak leg., 1♂ (THNHM-I-22177), same locality and date, K. Laohavisit leg. **EASTEN:** 1♂ (THNHM-I-22505), Chanthaburi Prov., Soi Dao Dist., Soi Dao Waterfall., 13°05'49.1"N, 102°10'20.1"E, 17.V.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22523), Chanthaburi Prov., Khlung Dist., Ban Ang Et, 3.VIII.2014, W. Jaitrong leg.; 1♂ (THNHM-I-22481), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, 11°37'26.4"N, 102°32'48.6"E, 16.IV.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22506), Trat Prov., Mueang Dist., Trat Argo Forestry Research Station, 21.II.2009, T. Jeenthong leg. **SOUNTHEN:** 1♀ (THNHM-I-22485), Ranong Prov., Mangrove Forest Research Center, 9°52'44.5"N 98°36'44.54"E, 3.XI.2016, T. Jeenthong leg.; 1♂ (THNHM-I-22511), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., 47m., 22.XII.2006, T. Jeenthong *et al.* leg.; 1♂ (THNHM-I-22512), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P, Huai Kiaw Waterfall, 26.VIII.2008, 8°55'09.2»N, 99°40'34.8»E, T. Jeenthong leg.; 1♂ (THNHM-I-22513), same locality, 1.XI.2008. T. Jeenthong leg.

**Distribution.** Tak, Kanchanaburi, Nakhon Ratchasima, Nakhon Nayok, Saraburi, Chanthaburi, Trat, Ranong, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017).

### ***Rothinjoa leucomelas* (Rothschild and Jordan, 1915) (Figure 4E–F)**

*Poliana leucomelas* Rothschild and Jordan, 1915: 283, fig. 4-6, pl. 20, fig. 1. Type locality: Phnom Penh, Cambodia.

**Material examined. NORTHEASTERN:** 1♂ (THNHM-I-22791), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24914), same locality, 1.XI.1967, S. Pongsa leg.; 1♂ (THNHM-I-24195), same locality, 18.III.1969, unknown collector.

**Distribution.** Nakhon Ratchasima Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

### **Subfamily Smerinthinae Grote and Robinson, 1865**

#### ***Ambulyx canescens* (Walker, [1865]) (Figure 4G–H)**

*Basiana canescens* Walker, [1865]: 38. Type locality: Cambodia.

**Material examined. WESTERN:** 1♂ (THNHM-I-22227), Kanchanaburi Prov., Thong Pha Phum Dist., Thong Pha Phum N. P., 19.XII.2003, W. Jeenthong leg.; 1♂ (THNHM-I-22228), Prachuap Khiri Khan Prov., Kui Buri Dist., nr. Kui Buri N.P., 27.I.2007, Y. Rassamee leg. **NORTHEASTERN:** 1♀ (THNHM-I-25028), Nakhon Ratchasima Prov., Khao Yai N.P., 1–4.IV.1973, L. Pakarnseree leg.; 1♂ (THNHM-I-25029), same locality, date, and collector. **CENTRAL:** 1♂ (THNHM-I-24153), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 12.XII.2020, S. Thongpaknam leg.; 1♂ (THNHM-I-24155), same locality and date, T. Khan

tharak leg.; 3♂ (THNHM-I-24156 to THNHM-I-24158), same locality and date, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24154), same locality and date, Y. Visavayothanun leg.; 3♂ (THNHM-I-22194 to THNHM-I-22196), same locality 17.X.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-25077), same locality, 15.XI.2020, M. Chuenwatanakul leg.; 1♂ (THNHM-I-25076), same locality and date, P. Rattanajun leg.; 1♂ (THNHM-I-22159), same locality, 17.X.2020, Y. Visavayothanun leg.; 1♂ (THNHM-I-22178), same locality and date, M. Chuenwatanakul leg.

**Distribution.** Kanchanaburi, Nakhon Ratchasima, Prachuap Khiri Khan, and Saraburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

#### *Ambulyx clavata* (Jordan, 1929) (Figure 5A–B)

*Oxyambulyx clavata* Jordan, 1929: 61. Type locality: Borneo, Kina Balu.

**Material examined.** **SOUTHERN:** 1♂ (THNHM-I-25956), Trang Prov., Palian Dist., Ton Tae Waterfall., light trap, 14.VIII.2020, T. Jeenthong leg.

**Distribution.** Trang Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010).

#### *Ambulyx cyclasticta* (Joicey and Kaye, 1917) (Figure 5C–D)

*Oxyambulyx cyclasticta* Joicey and Kaye, 1917: 308. Type locality: Burmah.

**Material examined.** **NORTHERN:** 1♂ (THNHM-I-22226), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2012, T. Jeenthong leg.; 1♀ (THNHM-I-25960), Phayao Prov., Chun Dist., Chun Subdist., Mae Chun Forest, UTM 47Q0620593, 2131965, Alt. 475 m., 19.VII.2014, light trap, T. Jeenthong leg. **NORTHEASTERN:** 2♂♂ (THNHM-I-22224 and THNHM-I-22225), Kalasin Prov., Kuchinarai Dist., Phu Sitan W.S., 4.IX.2007, T. Jeenthong leg.

**Distribution.** Phrae, Phayao, and Kalasin Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

#### *Ambulyx kuangtungensis* (Mell, 1922) (Figure 5E–F)

*Oxyambulyx kuangtungensis* Mell, 1922: 114. Type locality: China, northwest Kwangtung [Guangdong].

**Material examined.** **NORTHERN:** 1♀ (THNHM-I-22247), Mae Hong Son Prov., Pang Mapha Dist., Ban Tam Lod, Tam Lod, 19°34'04.3"N, 98°16'47"E, 5.III.2008, T. Jeenthong leg.

**Distribution.** Mae Hong Son Province.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010).

#### *Ambulyx moorei* Moore, 1858 (Figure 5G–H)

*Ambulyx moorei* Moore, [1858]: 266. Type locality: [Indonesia,] Java [Jawa].

**Material examined.** **NORTHERN:** 3♂ (THNHM-I-22242 to THNHM-I-22244), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2012, T. Jeenthong leg. **WESTERN:** 1♂ (THNHM-I-25958), Kanchanaburi Prov., Thong Pha Phum Dist., 10.III.1975, CTNRC Team leg.; 1♂ (THNHM-I-22245), Kanchanaburi Prov., Thong Pha Phum Dist. Thong Pha Phum N.P., 19.XII.2003, W. Jaitrong leg. **NORTHEASTERN:** 1♂ (THNHM-I-22246), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 1.IV.2009, T. Jeenthong leg.; 3♂ (THNHM-I-24556 to

THNHM-I-24558), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 22.II.2021, W. Jaitrong & T. Jeenthong leg. **CENTRAL:** 2♂ (THNHM-I-22188 and THNHM-I-22189), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 17.X.2020, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-24718) and 1♂ (THNHM-I-24719), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-24192 and THNHM-I-24193), same locality, 12.XII.2020, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-22674). same locality, 12.IX.2020, P. Noparatvarakorn leg.; 1♂ (THNHM-I-22673), same locality and date, T. Jeenthong leg. 1♂ (THNHM-I-22157), same locality, 17.X.2020, P. Kantharak leg.; 1♂ (THNHM-I-22182), same locality and date, J. Phonprasitgul leg.; 1♂ (THNHM-I-25094), same locality, 15.II.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-25066), same locality, 14.XI.2020, D. Pumalee leg.; 1♂ (THNHM-I-25059), same locality, 15.XI.2020, S. Loharnchoon leg.; 1♂ (THNHM-I-25060), same locality, 15.XI.2020, T. Uyyanonvara leg.; 1♂ (THNHM-I-25061), same locality, 15.VI.2020, J. Phonprasitgul leg.; 1♂ (THNHM-I-25062), same locality, 15.XI.2020, K. Arayasomboon leg.; 1♂ (THNHM-I-25063), same locality, 15.09.2020, P. Puangsombat leg.; 1♂ (THNHM-I-25064), same locality, 15.XI.2020, P. Rattanajun leg.; 1♂ (THNHM-I-25065), same locality, 15.XI.2020, S. Saetieow leg. **SOUTHERN:** 1♀ (THNHM-I-25957), Nakhon Si Thammarat Prov., Noppitum Dist., Krung Ching Waterfall, 23.III.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22237) Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., 47 m a.s.l., 22.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 1♂ (THNHM-I-22236), same locality, 27.I.2007, T. Jeenthong leg.; 4♂ (THNHM-I-22238 to THNHM-I-22241), same locality 23.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.

**Distribution.** Phrae, Kanchanaburi, Nakhon Ratchasima, Saraburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

#### *Ambulyx ochracea* Butler, 1885 (Figure 6A–B)

*Ambulyx ochracea* Butler, 1885: 113. Type locality: Japan, [Honshu, Tochigi,] Nikko.

**Material examined.** **NORTHEASTERN:** 1♂ (THNHM-I-22235), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 1.IV.2009, T. Jeenthong leg.; 1♂ (THNHM-I-25955), same locality, 25.V.1967, S. Sitthilert leg.; 2♂ (THNHM-I-25030 and THNHM-I-25031), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 1-4.V.1973., L. Pakarnsree leg. **SOUTHERN:** 1♂ (THNHM-I-22234), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Yod Nam Waterfall, 18.IV.2008, 8°54'32.6"N, 99°43'55.3"E, T. Jeenthong leg.

**Distribution in Thailand:** Nakhon Ratchasima and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017).

#### *Ambulyx pryeri* Distant, 1887 (Figure 6C–D)

*Ambulyx pryeri* Distant, 1887: 271. Type locality: N. Borneo.

**Material examined.** **NORTHERN:** 1♀ (THNHM-I-25959), Chiang Mai Prov., Mae Tang Dist., 18.IV.1975, V. Sakavan leg. **WESTERN:** 5♂ (THNHM-I-22207 to THNHM-I-22211), Kanchanaburi Prov., Thong Pha Phum N. P., 19.XII.2003, W. Jaitrong leg. **CENTRAL:** 1♀ (THNHM-I-22221), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 1♀ (THNHM-I-22672), same locality, 12.VI.2020, S. Ramakrish

anasetty leg. **SOUTHERN:** 1♂ (THNHM-I-22215) and 1♀ (THNHM-I-22216), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Pa Pra Station, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 1♀ (THNHM-I-22213), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Headquarter, 27.XI.2006, same collector; 1♂ (THNHM-I-22218) and 1♀ (THNHM-I-22219), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N. P., Yod Nam Waterfall, 8°54'32.6"N, 99°43'56.3"E, 26.VI.2008, W. Jaitrong leg.; 1♀ (THNHM-I-22204), same locality, 23.XI.2006, J. Nabhithabhata *et al.* leg.; 1♂ (THNHM-I-22220), same province and district, Khao Nan N.P., Huai Kaew Waterfall, 8°56'09.2"N, 99°40'34.8"E, 27.VII.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22214), same locality and collector, 22.XII.2006; 1♂ (THNHM-I-22217) Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Huai Lak, 27.I.2007, T. Jeenthong leg.

**Distribution.** Chiang Mai, Kanchanaburi, Saraburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

### *Ambulyx siamensis* Inoue, 1991 (Figure 6E–F)

*Ambulyx siamensis* Inoue, 1991: 130. Type locality: Thailand, Chaiphaphum.

**Material examined. WESTERN:** 2♂ (THNHM-I-25952 and THNHM-I-25954), Kanchanaburi Prov., Sai Yok Dist., Keae Noi, Ban Pu Toei, 23.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-22212), Kanchanaburi Prov., Thong Pha Phum Dist., Sahakon Nikhom, 13.VII.2018, W. Jaitrong leg. **NORTHEASTERN:** 1♂ (THNHM-I-25953), Nakhon Ratchasima Prov., Pak Chiong, Khao Yai, N. P., 25.V.1967, N. Kobayashi leg.; 1♂ (THNHM-I-25032), same locality, 1–4. IV. 1973. L. Pakarnseree leg.; 2♂ (THNHM-I-24578 and THNHM-I-24579), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2001, W. Jaitrong & T. Jeenthong leg.; 4♂ (THNHM-I-24580 to THNHM-I-24583), same locality and collector, 22.III.2011., **CENTRAL:** 1♂ (THNHM-I-22222), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 1♂ (THNHM-I-24190), same locality, 12.XII.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-23857), same locality and date, T. Jeenthong leg.; 1♂ (THNHM-I-25125), same locality and collector, 12.VI.2021.; 6♂ (THNHM-I-24781 to THNHM-I-24786) and 1♀ (THNHM-I-24780), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-24682), same locality and collector, 14.II.2021.; 1♀ (THNHM-I-22702), same locality, 8.VIII.2020, P. Visavayothanan leg.; 1♂ (THNHM-I-22179), same locality, 17.X.2020, K. Arayasomboon leg., 3♂ (THNHM-I-23980 to THNHM-I-23982), same locality, 16.I.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22703), same locality, 8.VIII.2020, S. SaeTieow leg.; 2♂ (THNHM-I-24197 and THNHM-I-24198), same locality, 6.III.2021, W. Jaitrong & T. Jeenthong leg. **EASTERN:** 1♂ (THNHM-I-22201), Chanthaburi Prov., Khao Soi Dao, 13°06'16.3"N, 102°11'26.0"E, 17.V.2008, T. Jeenthong leg. **SOUTHERN:** 1♂ (THNHM-I-22203), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N. P., Huai Kaew Waterfall, 8°56'09.2"N, 99°40'34.8"E, 27.VIII.2008, T. Jeenthong leg.

**Distribution.** Kanchanaburi, Nakhon Ratchasima, Saraburi, Chanthaburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Thailand Nature Project (2021).

### *Ambulyx substrigilis* (Westwood, 1847) (Figure 6G–H)

*Sphinx substrigilis* Westwood, 1847: 61, pl. 30, fig. 2. Type locality: Sylhet.

**Material examined. NORTHEASTERN:** 6♂ (THNHM-I-24550 to THNHM-I-24555), Nakhon

Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24689), same locality and date, T. Jeenthong leg. **CENTRAL:** 1♂ (THNHM-I-24191), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 14.XII.2020, W. Jaitrong & T. Jeenthong leg. **EASTERN:** 1♂ (THNHM-I-22229), Chanthaburi Prov., Khao Soi Dao, 13°06'16.3"N, 102°11'26.0"E, 17.05.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22206), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, 18.V.2009, T. Jeenthong leg.; 2♂ (THNHM-I-22202 and THNHM-I-22223), Chanthaburi Prov., Khlung Dist., Ban Ang Et, 2.VIII.2014, W. Jaitrong leg. **SOUTHERN:** 2♂ (THNHM-I-22231 and THNHM-I-22232), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N. P., Yod Nam Waterfall, 8°54'32.6"N, 99°43'56.3"E, 17.IV.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22233), Nakhon Si Thammarat Prov., Tha Sala Dist., Sunandha Waterfall, 31.X.2005. T. Jeenthong leg.; 1♂ (THNHM-I-22248), Nakhon Si Thammarat Prov., Tha Sala Dist., Huai lak Waterfall, 31.V.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22230), same locality and collector 27.I.2007.

**Distribution.** Nakhon Ratchasima, Saraburi, Chanthaburi, Trat, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

#### *Amphypterus panopus* (Cramer, 1779) (Figure 7A–B)

*Sphinx panopus* Cramer, 1779: 50, pl. 224, figs A, B. Type locality: [Indonesia,] Java.

**Material examined.** **WESTERN:** 1♂ (THNHM-I-22354), Kanchanaburi Prov., Thong Pha Phum Dist., Thong Pha Phum N.P., 19.XII.2003, W. Jaitrong leg. **NORTHEASTERN:** 1♂ (THNHM-I-22789), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong & T. Jeenthong leg. **CENTRAL:** 1♂ (THNHM-I-23967), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 16.I.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24177), same locality, 12.XII.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24178), same locality and date, P. Chuenwatanakul leg., 1♀ (THNHM-I-22164), same locality, 17.X.2020, T. Anuttaragulwanit leg.; 1♀ (THNHM-I-25070), same locality, 15.XI.2020, P. Kantharak leg.; 1♂ (THNHM-I-25071), same locality, 15.XI.2020, T. Anuttaragulwanit leg.; 2♂ (THNHM-I-25120 and THNHM-I-25121), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg. **EASTERN:** 1♂ (THNHM-I-22355), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, 18.IV.2009, 11°37'28.4"N, 102°32'48.6"E, T. Jeenthong leg. **SOUTHERN:** 1♂ (THNHM-I-22353), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N. P., Huai Kaew Waterfall, 8°56'09.2"N, 99°40'34.8"E, 27.VIII.2008, T. Jeenthong leg.; 1♀ (THNHM-I-24793), Trang Prov., Yan Ta Khao Dist., Tung Khai Botanical Garden, 24.I.2021, P. Teawkul leg.

**Distribution.** Kanchanaburi, Nakhon Ratchasima, Saraburi, Trat, Nakhon Si Thammarat, and Trang Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

#### *Callambulyx amanda* Rothschild and Jordan, 1903 (Figure 7C–D)

*Callambulyx rubricosa amanda* Rothschild and Jordan, 1903: 309. Type locality: Malaysia, N. Borneo.

**Material examined.** **SOUTHERN:** 1♂ (THNHM-I-22368), Nakhon Si Thammarat Prov.,

Sichon Dist., Khao Nan N.P., Huai Kaew Waterfall, 27.VII.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22371) Nakhon Si Thammarat Prov., Sichon Dist., Yod Nam Waterfall, 8°54' 32.6"N, 99°43' 55.3"E, 30.X.2006, T. Jeenthong leg.; 1♂ (THNHM-I-22367), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Luang N.P., Krung Ching Waterfall, 23.III.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22365), Trang Prov., Na Yong Dist., Khao Chong Botanical Garden, 20.XI.2003, Orosz & Sziraki leg.; 1♂ (THNHM-I-22366), same locality and collector, 1.XII.2003.

**Distribution.** Nakhon Si Thammarat and Trang Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

### *Callambulyx rubricosa* (Walker, 1856) (Figure 7E–F)

*Ambulyx rubricosa* Walker, 1856: 122. Type locality: India.

**Material examined. NORTHERN:** 1♂ (THNHM-I-22369), Lampang Prov, Hang Chad, Tong Kiean Forest Plantation, 26.VI.2013, T. Jeenthong leg. **WESTERN:** 1♂ (THNHM-I-22372), Tak Prov., Umphang Dist., Thung Yai Narasuan East W.S., 24.09.2016, T. Jeenthong leg.; 1♂ (THNHM-I-22370), same locality and collector, 27.VI.2013. **CENTRAL:** 1♂ (THNHM-I-25126), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 12.VI.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22681), same locality and collector, 8.VIII.2020.; 1♂ (THNHM-I-22680), same locality, 12.IX.2020, T. Jeenthong leg.

**Distribution.** Lampang, Tak, and Saraburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### *Clanis bilineata* (Walker, 1866) (Figure 7G–H)

*Basiana bilineata* Walker, 1866: 1857. Type locality: India, West Bengal, Darjeeling [Darling].

**Material examined. NORTHEASTERN:** 7♂ (THNHM-I-24674 to THNHM-I-24680), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-25036), same locality, 27.III.1968, S. Sitilert leg.; 1♀ (THNHM-I-25033) Nakhon Ratchasima Prov., Pak Thong Chai Dist., (Research site), 26.IV.1967, N. Kobayashi leg.; 1♂ (THNHM-I-25035), same locality, 1.III.1968, S. Sitilert leg. **CENTRAL:** 4♂ (THNHM-I-24720 to THNHM-I-24723), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22361), same locality, 23.VI.2020, T. Jeenthong leg.; 1♂ (THNHM-I-24206), same locality, 6.III.2021, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-25122 and THNHM-I-25123), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg. **SOUTHEN:** 2♀ (THNHM-I-25037 and THNHM-I-25034), Ranong Prov., Ban Bang Non, 17.V.1967, K. Tonglongya leg.

**Distribution.** Nakhon Ratchasima, Saraburi, and Ranong Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### *Clanis titan* Rothschild and Jordan, 1903 (Figure 8A–B)

*Clanis titan* Rothschild and Jordan, 1903: 213 (in key). Type locality: India, Meghalaya, Khasia Hills [Khasi Hills]

**Material examined. WESTERN:** 1♂ (THNHM-I-22362), Kanchanaburi Prov., Thong Pha Phum Dist, Ban Sahakon Nikom, 13.VII.2018, W. Jaitrong leg. **CENTRAL:** 1♂ (THNHM-I-22363),



Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 28.VI.2020, T. Jeenthong leg.; 1♂ (THNHM-I-25124), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Kanchanaburi and Saraburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Clanis undulosa* Moore, 1879 (Figure 8C–D)**

*Clanis undulosa* Moore, 1879: 387. Type locality: North China.

**Material examined. NORTHERN:** 1♂ (THNHM-I-22364), Chiang Mai Prov., Fang Dist., Doi Aung Kang Royal Project, 9.III.2002, W. Jaitrong leg.

**Distribution.** Chiang Mai Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Craspedortha porphyria* (Butler, 1876) (Figure 8E–F)**

*Daphnusa porphyria* Butler, 1876: 640. Type locality: India, West Bengal, Darjeeling [Darling]

**Material examined. NORTHERN:** 13♂ (THNHM-I-25961 to THNHM-I-26973), Phayao Prov., Chun Dist., Ban Chun, Mae Chun Forest Plantation, UTM 47Q0620593, 2131965, 475 m. a.s.l., 19.VII.2014, Phayao19072014-20, T. Jeenthong leg.; 1♂ (THNHM-I-22389), Lampang Prov., Hang Chat Dist., Thung Kwian Forest Plantation, 25.VI.2013, T. Jeenthong leg. **WESTERN:** 1♂ (THNHM-I-22658), Kanchanaburi Prov., Thong Pa Phum Dist., Ban Sahakon Nikhom, 13.VII.2018, W. Jaitrong leg. **NORTHEASTERN:** 1♂ (THNHM-I-25978), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Ban Wang Nam Kiao, Forestry Camp, 28.VIII.2019, T. Jeenthong leg.; 2♂ (THNHM-I-22384 and THNHM-I-22385), Kalasin Prov., Kuchimarai Dist., Phu Sitan W.S., 3.IX.2009, T. Jeenthong leg.; 3♂ (THNHM-I-22386 to THNHM-I-22388), same locality ana collector, 4.IX.2007.; 1♂ (THNHM-I-22390), Mukdahan Prov., Kham Cha-e Dist., Kang Chang Niam, Phu Si Tan W.S., 1. IX.2007, T. Jeenthong leg. **CENTRAL:** 1♂ (THNHM-I-24724), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22198), same locality and collector, 17.X.2020.; 1♂ (THNHM-I-22701), same locality, 12. IX.2020, S. Thongpaknam leg.,

**Distribution.** Phayao, Lampang, Kanchanaburi, Nakhon Ratchasima, Kalasin, Mukdahan, and Saraburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Cypa decolor* (Walker, 1856) (Figure 8G–H)**

*Smerinthus decolor* Walker, 1856: 255. Type locality: India [Hindustan]

**Material examined. NORTHEASTERN:** 1♂ (THNHM-I-24591), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Nakhon Ratchasima Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Cypa enodis* Jordan, 1931**

*Cypa pallens enodis* Jordan, 1931: 240. Type locality: India, Assam [Meghalaya], Shillong.

**Material examined. NORTHEASTERN:** 1♀ (THNHM-I-24994), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Ban Wang Nam Khiao, Forestry Camp, 28.VIII.2019, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Nakhon Ratchasima Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Daphnusa ocellaris* Walker, 1856 (Figure 9C–D)**

*Daphnusa ocellaris* Walker, 1856: 238. Type locality: Malaysia, Borneo.

**Material examined. WESTERN:** 1♂ (THNHM-I-22414), Prachuap Khiri Khan Prov, Kui Buri Dist., near Kui Buri N.P., 27.I.2007, Y. Rassamee leg. **NORTHEASTERN:** 3♂ (THNHM-I-22416, THNHM-I-22420 and THNHM-I-22424), Loei Prov., (Pu Ruar Dist., = Miss spelling as Pu Luang), Pu Luang W.S., Khok Nok Kraba, 27.IX.2009, 17°16'52.4"N, 101°31'23.5"E, 1485 m., T. Jeenthong leg.; 6♂ (THNHM-I-24541 to THNHM-I-24546), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong leg., 4♂ (THNHM-I-24538, THNHM-I-24547 to THNHM-I-24549), same locality and collector, 22.III.2021.; 1♂ (THNHM-I-24687), same locality and date, T. Jeenthong leg., **EASTERN:** 2♂ (THNHM-I-22421 and THNHM-I-22423), Chachoengsao Prov., Tha Ta Kiap Dist., Ban Nong Kok, Khao Ang Rue Nai W.S., 1.VI.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22413), Chanthaburi Prov., Soi Dao, Khao Soi Dao W.S, Open area, Soi Dao Nuer, 21.I.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22411), Trat Prov, Ko Kut [=Ko Kud] Dist, Ban Khlong Chao, 11°37'28.4"N, 102°32'48.6"E, 19.09.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22410), same locality and collector, 18.IV.2009.; 1♂ (THNHM-I-22412), same locality and collector, 16.IV.2009., **SOUTHERN:** 3♂ (THNHM-I-22417 to THNHM-I-22419), Nakhon Si Thammarat Prov., Khao Nan N.P., light trap, 23.XI.2006, J. Nabhithabhata leg.; 1♂ (THNHM-I-22415), Nakhon Si Thammarat, Sri Chon, Khao Nan N.P., Yod Nam Waterfall, 1.II.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22422), Nakhon Si Thammarat, Khao Nan N.P. 47 m. a.s.l., Headquarter, 22.VI.2006, light trap, J. Nabhithabhata [= Jin] *et al.* leg.; 1♂ (THNHM-I-22408), Trang Prov., Na Yong Dist., Khao Chong Botanical Garden, 27.XI.2003, Orosz and Sziraki leg.; 1♂ (THNHM-I-22409), same locality and collector, 26.XI.2003.; 1♂ (THNHM-I-26062), Trang Prov., Pa Lian Dist., Ton Tae Waterfall, light trap, 14.VIII.2020, T. Jeenthong leg.; 2♂ (THNHM-I-25974 and THNHM-I-25975), same locality, 11.XII.2020, T. Jeenthong & P. Teawkul leg.,

**Distribution.** Prachuap Khiri Khan, Loei, Nakhon Ratchasima, Chachoengsao, Chanthaburi, Trat, Nakhon Si Thammarat and Trang Provinces.

**References.** Inoue *et al.* (1997); Ponpinij (2017); Thailand Nature Project (2021).

***Leucophlebia lineata* Westwood, 1847 (Figure 9E–F)**

*Leucophlebia lineata* Westwood, 1847: 46. Type locality: India Assam.

**Material examined. EASTERN:** 1♂ (THNHM-I-22456), Trat Prov., Ko Kut [=Ko Kud] Dist, Ban Khlong Chao, 11°37'26.4»N, 102°32'48.6»E, 17.IV.2009, T. Jeenthong leg.

**Distribution.** Trat Province.

**References.** Inoue *et al.* (1997); Ponpinij (2017); Thailand Nature Project (2021).

***Marumba cristata* (Butler, 1875)**

**Material examined.** **NORTHERN:** 1♂ (THNHM-I-25046), Chiang Mai Prov., Mae Tang Dist., 15.IV.1975, V. Sukanan leg. **NORTHEASTERN:** 3♂ (THNHM-I-24657 to THNHM-I-24659), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong & T. Jeenthong leg.: 2♂ (THNHM-I-25976 and THNHM-I-22468), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai, 1.IV.2009, T. Jeenthong leg. **SOUTHERN:** 1♂ (THNHM-I-22462), Nakhon Si Thammarat Prov., Tha Sala Dist, Huai lak Waterfall, 4.IV.2006, T. Jeenthong leg.; 1♂ (THNHM-I-22464), Nakhon Si Thammarat Prov., Nopphitam Dist, Khao Luang N. P. Krung Ching Waterfall, 23.III.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22463), Trang Prov., Pa Lian Dist., Ton Tae Waterfall, 21.12.2020, T. Jeenthong and P. Teawkul leg.

**Distribution.** Chiang Mai, Nakhon Ratchasima, Nakhon Si Thammarat, and Trang Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Marumba dyras* (Walker, 1856) (Figure 10A–B)**

*Smerinthus dyras* Walker, 1856: 25. Type Locality: Sri Lanka.

**Material examined.** **WESTERN:** 1♂ (THNHM-I-25043), Kanchanaburi Prov., Sai Yok, Ban Pu Toei, 22.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-26021), same locality and collector, 23.VI.1971.; 1♂ (THNHM-I-25044), same locality and collector, 19.VI.1971.; 1♂ (THNHM-I-22461), Kanchanaburi Prov., Thong Pha Phum Dist., Bam Sahakon Nikom, 13.VII.2018, W. Jaitrong leg. **NORTHEASTERN:** 2♂ (THNHM-I-25040 and THNHM-I-25041), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 19.VI.1968, Bugbee leg.; 1♂ (THNHM-I-25042), same locality, 5.VI.1968, unknown collector.; 6♂ (THNHM-I-24533 to THNHM-I-24537, THNHM-I-24590) and 2♂ (THNHM-I-24539 THNHM-I-24540), Nakhon Ratchasima Prov., same locality, 22.III.2021, W. Jaitrong & T. Jeenthong leg.; 3♀ (THNHM-I-24684 to THNHM-I-24586) and 1♂ (THNHM-I-24688), same locality and date, T. Jeenthong leg.; 1♂ (THNHM-I-24589), same locality and collector, 11.III.2021; 1♂ (THNHM-I-22458), Kalasin Prov., Kuchinarai Dist., Pu Sri Tan W.S., 4.IX.2007, T. Jeenthong leg.; 1♂ (THNHM-I-24995), Ubon Ratchathani Prov., Mueang Dist., Ubon Ratchathani Zoo, 26.VI.2016, T. Jeenthong leg., **CENTRAL:** 1♂ (THNHM-I-22465), Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai Forest Plantation, 29.VI.2013. T. Jeenthong leg.; 6♂ (THNHM-I-25132, THNHM-I-25127 to THNHM-I-25131), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 5♀ (THNHM-I-25133 to THNHM-I-25137), same locality, 12.VI.2021. W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24171), same locality, 12.XII.2020, K. Laohavisit leg., 2♂ (THNHM-I-24791 and THNHM-I-24792), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22466), same locality, 23.VI.2020, T. Jeenthong leg.; 1♂ (THNHM-I-22686), same locality, 12.IX.2020, A. Arayasomboon leg., **EASTERN:** 1♂ (THNHM-I-22460), Chanthaburi Prov., Khao Soi Dao W.S. Pa Tong, 17.V.2008, 13°06'49.1"N, 20°10'20.1"E, T. Jeenthong leg. **SOUTHERN:** 1♂ (THNHM-I-22459), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N. P., Yod Nam Waterfall, 8°54'32.6"N, 99°43'56.3"E, 27.IV.2008, T. Jeenthong leg.

**Distribution.** Kanchanaburi, Nakhon Ratchasima, Kalasin, Ubon Ratchathani, Sukhothai, Saraburi, Chanthaburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Thailand Nature Project (2021).

***Marumba juvencus* Rothschild and Jordan, 1912**

*Marumba juvencus* Rothschild and Jordan, 1912: 132. Type locality: Malaysia, Malay Peninsula.

**Material examined. SOUTHERN:** 1♂ (THNHM-I-22457), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Nan N.P., Hui Lak (Pa Pra) Station, 4.IV.2006, T. Jeenthong leg.; 1♂ (THNHM-I-22467), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan Head Quarter, 47 m a.s.l. 22.11.2006, J. Nabhithabhata [= Jin] *et al.* leg.

**Distribution.** Nakhon Si Thammarat Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Marumba saishiuana* Okamoto, 1924 (Figure 10E–F)**

*Marumba saishiuana* Okamoto, 1924: 96. Type locality: South Korea, Quelpart Island [Cheju do].

**Material examined. INDONESIA:** 1♀ (THNHM-I-25038) and 1♂ (THNHM-I-25039), Lake Lindu, Namru-2, 12.XI.1973, unknown collector.

**Distribution.** Indonesia (known locality).

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Marumba spectabilis* (Butler, 1875) (Figure 10G–H)**

*Triptogon spectabilis* Butler, 1875: 256. Type locality. India, W. Bengal.

**Material examined. NORTHERN:** 1♂ (THNHM-I-25012), Chiang Mai Prov., Mae Tang Dist., 18.IV.1975, S. Sukanan leg.; 1♀ (THNHM-I-25045), same location and collector, 28.IV.1975.

**Distribution.** Chiang Mai Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Opistoclanis hawkeri* (Joicey and Talbot, 1921) (Figure 11A–B)**

*Clanis hawkeri* Joicey and Talbot, 1921: 106. Type locality: Laos.

**Material examined. NORTHEASTERN:** 3♀ (THNHM-I-24664, THNHM-I-24665 and THNHM-I-24671), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong & T. Jeenthong leg.; 8♂ (THNHM-I-24661 to THNHM-I-24663 and THNHM-I-24666 to THNHM-I-24670), same locality, 11.III.2021, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-24672 and THNHM-I-24673) same locality and collector, 22.III.2021.

**Distribution.** Nakhon Ratchasima Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Parum colligata* (Walker, 1856) (Figure 11C–D)**

*Daphnusa colligata* Walker, 1856: 238. Type locality: China.

**Material examined. NORTHERN:** 1♂ (THNHM-I-25020), Chiang Mai Prov., Mae Tang Dist., 19.IV.1975, S. Sukanan leg.; 1♂ (THNHM-I-26024), same locality and collector, 28.IV.1975.; 1♀ (THNHM-I-22530), Phrae Prov., Wang Chin Dist., Wang Chin Forest plantation, 20.VI.2012, T. Jeenthong leg.; 2♂ (THNHM-I-25979 and THNHM-I-25980), same locality and collector, 18.VII.2012.; 4♂ (THNHM-I-22532 to THNHM-I-22535), Lampang Prov, Hang Chat Dist., Thung Kwian Forest plantation, 26.VI.2013, T. Jeenthong leg.; 1♂ (THNHM-I-22536), same locality and collector, 29.VI.2013., **WESTERN:** 1♂ (THNHM-I-26030), Kanchanaburi Prov., Sai Yok, Ban Pu Toei, 22.VI.1971, S. Pongsa leg., **NORTHEASTERN:** 2♂ (THNHM-I-26025 and



**Figure 5.** Specimens and labels of Sphingidae deposited in THNHM. A, *Ambulyx clavata*, dorsal view; B, *Ambulyx clavata*, ventral view and labels; C, *Ambulyx cyclasticta*, dorsal view; D, *Ambulyx cyclasticta*, ventral view and labels; E, *Ambulyx kuangtungensis*, dorsal view; F, *Ambulyx kuangtungensis*, ventral view and labels; G, *Ambulyx moorei*, dorsal view; H, *Ambulyx moorei*, ventral view and labels.



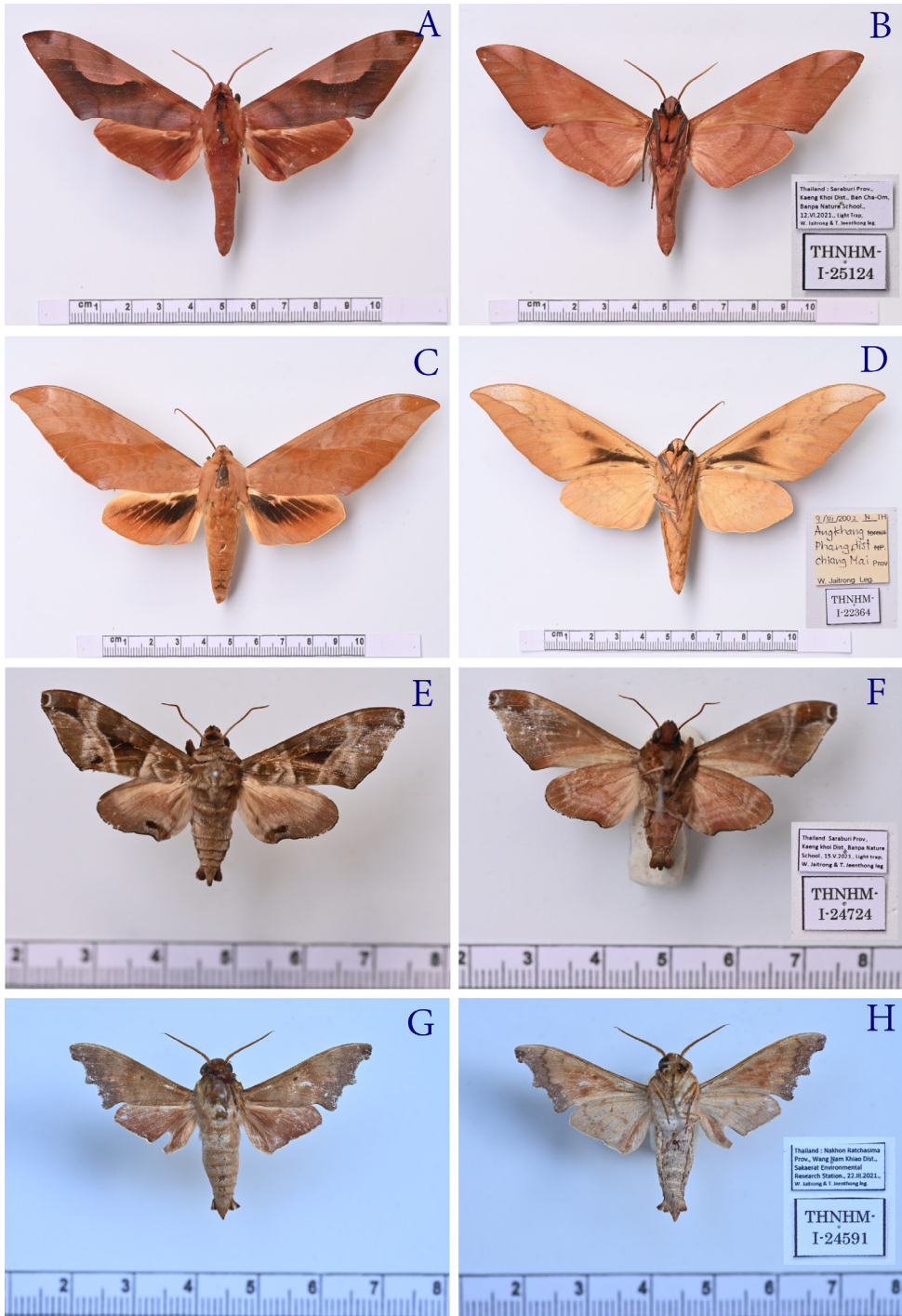


**Figure 6.** Specimens and labels of Sphingidae deposited in THNHM. A, *Ambulyx ochracea*, dorsal view; B, *Ambulyx ochracea*, ventral view and labels; C, *Ambulyx pryeri*, dorsal view; D, *Ambulyx pryeri*, ventral view and labels; E, *Ambulyx siamensis*, dorsal view; F, *Ambulyx siamensis*, ventral view and labels; G, *Ambulyx subtrigilis*, dorsal view; H, *Ambulyx subtrigilis*, ventral view and labels.



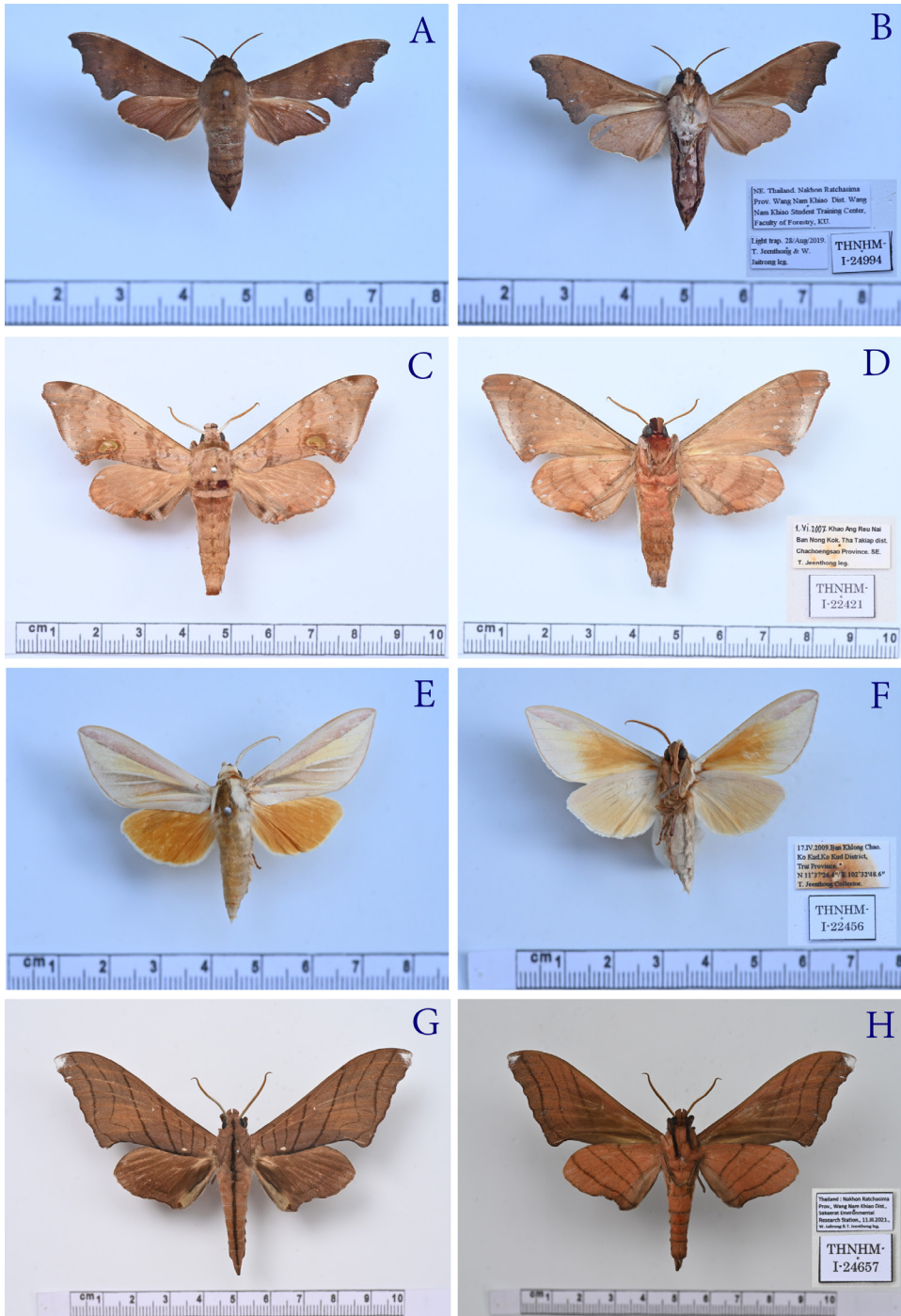


Figure 7. Specimens and labels of Sphingidae deposited in THNHM. A, *Amphyterus panopus*, dorsal view; B, *Amphyterus panopus*, ventral view and labels; C, *Callambulyx amanda*, dorsal view; D, *Callambulyx amanda*, ventral view and labels; E, *Callambulyx rubricosa*, dorsal view; F, *Callambulyx rubricosa*, ventral view and labels; G, *Clanis bilineata*, dorsal view; H, *Clanis bilineata*, ventral view and labels.

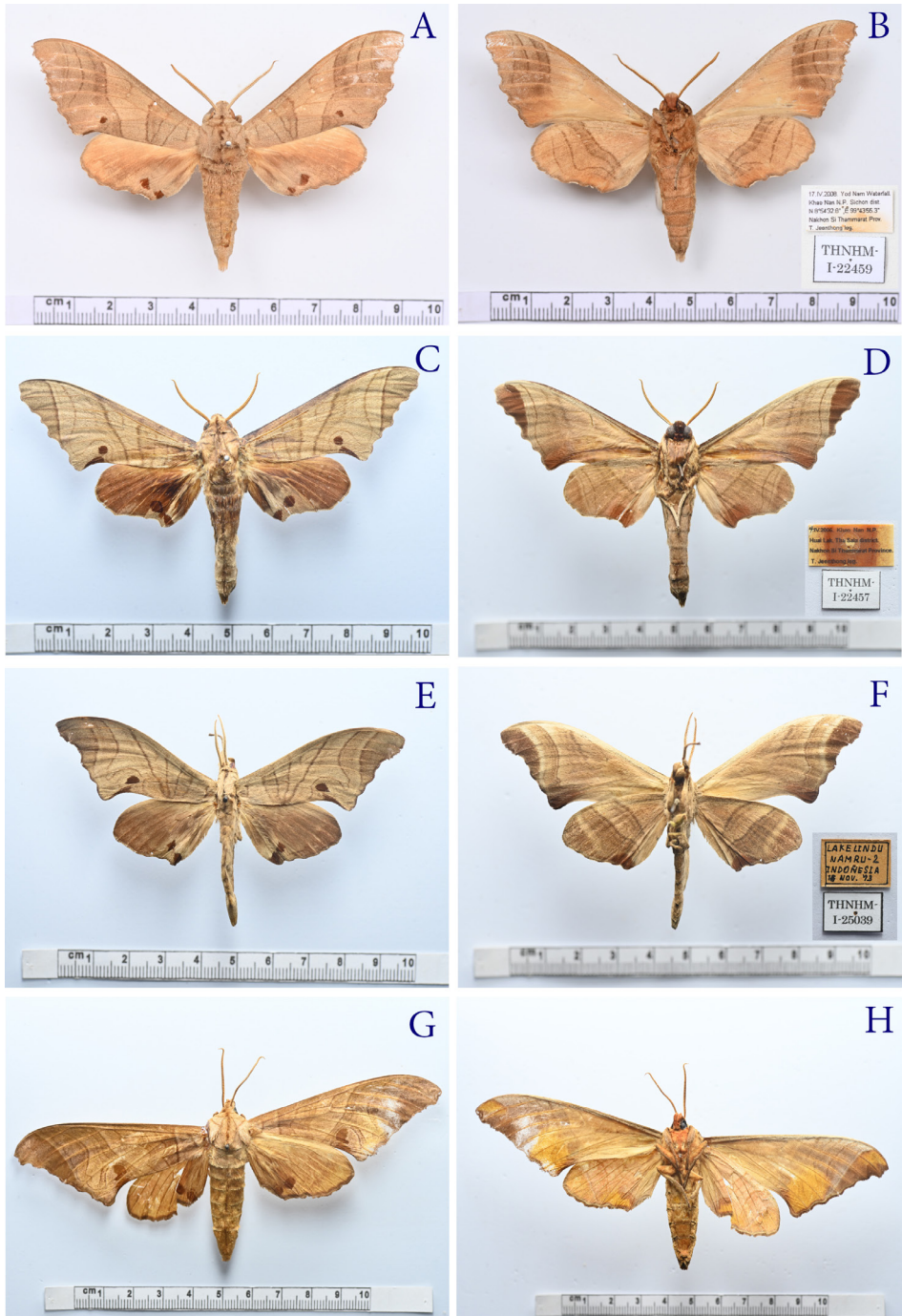


**Figure 8.** Specimens and labels of Sphingidae deposited in THNHM. A, *Clanis titan*, dorsal view; B, *Clanis titan*, ventral view and labels; C, *Clanis undulosa*, dorsal view; D, *Clanis undulosa*, ventral view and labels; E, *Craspedortha porphyria*, dorsal view; F, *Craspedortha porphyria*, ventral view and labels; G, *Cypa decolor*, dorsal view; H, *Cypa decolor*, ventral view and labels.





**Figure 9.** Specimens and labels of Sphingidae deposited in THNHM. A, *Cyba enodis*, dorsal view; B, *Cyba enodis*, ventral view and labels; C, *Daphnusa ocellaris*, dorsal view; D, *Daphnusa ocellaris*, ventral view and labels; E, *Leucophlebia lineata*, dorsal view; F, *Leucophlebia lineata*, ventral view and labels; G, *Marumba cristata*, dorsal view; H, *Marumba cristata*, ventral view and labels.



**Figure 10.** Specimens and labels of Sphingidae deposited in THNHM. A, *Marumba dyras*, dorsal view; B, *Marumba dyras*, ventral view and labels; C, *Marumba juvenicus*, dorsal view; D, *Marumba juvenicus*, ventral view and labels; E, *Marumba saishuana*, dorsal view; F, *Marumba saishuana*, ventral view and labels; G, *Marumba spectabilis*, dorsal view; H, *Marumba spectabilis*, ventral view and labels.

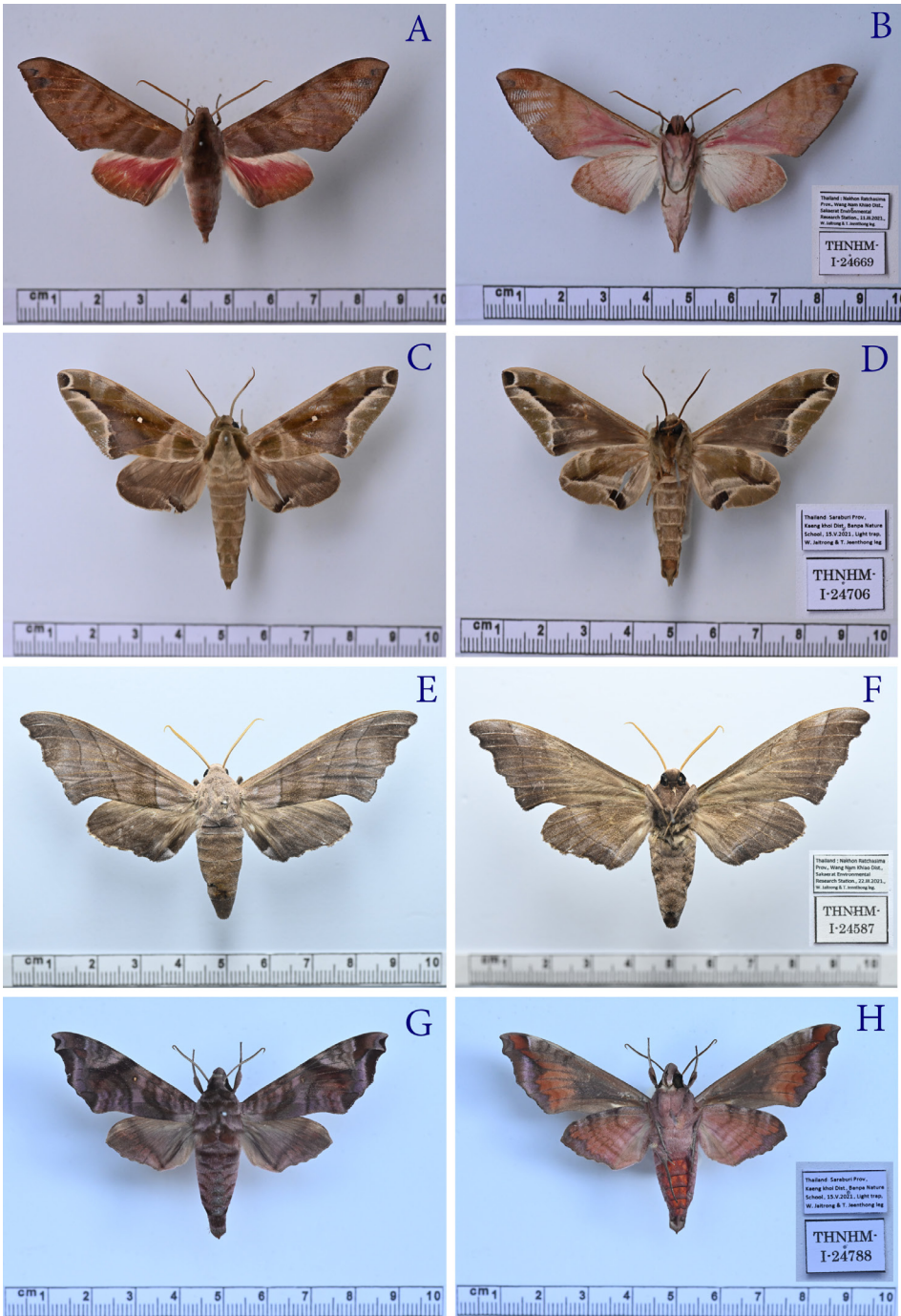


Figure 11. Specimens and labels of Sphingidae deposited in THNHM. A, *Opistoclanis hawkeri*, dorsal view; B, *Opistoclanis hawkeri*, ventral view and labels; C, *Parum colligata*, dorsal view; D, *Parum colligata*, ventral view and labels; E, *Polyptychus trilineatus*, dorsal view; F, *Polyptychus trilineatus*, ventral view and labels; G, *Acosmeryx anceus*, dorsal view; H, *Acosmeryx anceus*, ventral view and labels.



THNHM-I-26027), Nakhon Ratchasima Prov., Pak Thong Chai Dist. (Research site), 26.IV.1967, Dr. Roth leg.; 1♂ (THNHM-I-26028), same locality and date N. Kobayashi leg., **CENTRAL:** 1♂ (THNHM-I-22531), Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai Forest Plantation, 26.V.2013, T. Jeenthong leg.; 4♂ (THNHM-I-22537 to THNHM-I-22540), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 23♂ (THNHM-I-24695 to THNHM-I-24717), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-25138 and THNHM-I-25139), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg., **EASTERN:** 2♂ (THNHM-I-22524 and THNHM-I-22525), Chachoengsao Prov., Tha Takiap Dist., 28.IV.2005, T. Jeenthong leg.; 4♂ (THNHM-I-22688 to THNHM-I-22691), same locality, 8.VIII.2020, T. Jeenthong leg.; 2♂ (THNHM-I-22526 and THNHM-I-22527), Chanthaburi Prov., Soi Dao W.S., Pa Tong, 13°06'10.7"N, 102°11'29.7"E, T. Jeenthong leg.; 2♂ (THNHM-I-22528 and THNHM-I-22529), same locality and collector, 17.V.2008; 2♂ (THNHM-I-26026 and THNHM-I-26029), unknown locality, collected from Camp Site on 1.V.1969, KHUM.

**Distribution.** Chiang Mai, Phrae, Lampang, Kanchanaburi, Nakhon Ratchasima, Sukhothai, Saraburi, Chachoengsao, and Chanthaburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

#### ***Polyptychus trilineatus* Moore, 1888 (Figure 11E–F)**

*Polyptychus trilineatus* Moore, 1888: 390. Type locality: India, Himachal Pradesh, Dharmsala.

**Material examined. NORTHEASTERN:** 2♂ (THNHM-I-24587 and THNHM-I-24588), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Nakhon Ratchasima Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

### **Subfamily Macroglossinae**

#### ***Acosmeryx anceus* (Stoll, [1781]) (Figure 11G–H)**

*Sphinx anceus* Stoll, [1781]: 124, pl. 355, fig. A. Type locality: Indonesia, Maluku, Amboina [Ambon].

**Material Examined. NORTHERN:** 1♂ (THNHM-I-22281), Lampang Prov., Hang Chat Dist., Thung Kwian Plant, 27.VI.2013, T. Jeenthong leg.; 2♂ (THNHM-I-22335 and THNHM-I-22336), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2021, T. Jeenthong leg., **WESTERN:** 1♂ (THNHM-I-26022), Kanchanaburi Prov., Sai Yok Dist., Ban Phu Toei 23.VI.1971, S. Pongsa leg.; 4♂ (THNHM-I-25993, THNHM-I-25994, THNHM-I-25996, and THNHM-I-25997), same locality and collector, 23.VI.1971.; 1♂ (THNHM-I-25995), same locality and collector, 22.VI.1971.; 3♂ (THNHM-I-22270, THNHM-I-22272 and THNHM-I-22329), Kanchanaburi Prov., Thong Phaphum Dist., Sahakon Nikhom Subdist., 13.VII.2018, W. Jaitrong leg., **NORTHEASTERN:** 1♂ (THNHM-I-22265) Kalasin Prov., Kuchinarai Dist., Phu Sitan W. S., 4.IX.2007, T. Jeenthong leg.; 3♂ (THNHM-I-22282 to THNHM-I-22284), Mukdahan Prov., Khamcha-I Dist., Kang Chang Nium, Phu Sitan W. S., 1.XI.2007, T. Jeenthong leg.; 1♂ (THNHM-I-25998), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 26.VI.1968, S. Pongsa leg.; 1♂ (THNHM-I-25999), same locality, 17.IX.1967, R. S. Sittilert leg.; 1♂



(THNHM-I-26000), same locality and collector, 16.IX.1967.; 1♂ (THNHM-I-26001), same locality, b21–22.VI.1967, KOBY.; 1♂ (THNHM-I-26002), same locality, 15.IX.1967, S. Pongsapipatana leg.; 8♂ (THNHM-I-24609 to THNHM-I-24616), Nakhon Ratchasima Prov., Wang Nam Khieo Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong & T. Jeenthong leg.; 3♂ (THNHM-I-24617 to THNHM-I-24619), same locality and collectors, 22.III.2021., **CENTRAL:** 1♂ (THNHM-I-22285), Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai Forest Plantation, Light trap, 29.VI.2013. T. Jeenthong leg.; 1♀ (THNHM-I-24787) and 3♂ (THNHM-I-24788 to THNHM-I-24790), Saraburi Prov., Kaeng Khoi Dist., Banpa Nature School, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-25086 and THNHM-I-25087), same locality and collectors, 13.III.2021.; 2♂ (THNHM-I-23984 and THNHM-I-24203), same locality and collectors, 6.III.2021.; 3♂ (THNHM-I-25152 to THNHM-I-25154) and 1♀ (THNHM-I-25155), same locality and collectors, 12.VI.2021.; 3♂ (THNHM-I-22170, THNHM-I-22174, and THNHM-I-22175) and 1♀ (THNHM-I-22171), same locality, 17.X.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22185), same locality, 17.XI.2020, P. Chuenwatanakul leg.; 1♂ (THNHM-I-22184), same locality and date, S. Loharnchoon leg.; 1♀ (THNHM-I-22181), same locality and date, S. Visavayothanun leg.; 2♂ (THNHM-I-22275 and THNHM-I-22276) and 1♀ (THNHM-I-22321), same locality, 23.VI.2020, T. Jeenthong leg.; 1♀ (THNHM-I-22675), same locality and collector, 8.VIII.2020., **SOUTHERN:** 1♂ (THNHM-I-22304), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Yod Nun Waterfall, 8°54'32.6"N, 99°43'56.3"E, 28.VI.2008, W. Jaitrong leg.; 1♂ (THNHM-I-22266), same locality, 1.II.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22305), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N. P., Huai Kiew Waterfall, 22.11.2006, W. Jaitrong leg.; 1♂ (THNHM-I-22314), same locality, 1.IX.2008, T. Jeenthong leg.

**Distribution.** Lampang, Phrae, Kanchanaburi, Kalasin, Mukdahan, Nakhon Ratchasima, Sukhothai, Saraburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021);

### *Acosmeryx naga* (Moore, [1858]) (Figure 12A–B)

*Philampelus naga* Moore, [1858]: 271. Type locality: India, West Bengal, Darjeeling [Darling].

**Material Examined.** **NORTHERN:** 2♂ (THNHM-I-22269 and THNHM-I-22273), Chiang Mai Prov., Fang Dist., Ang Khang Forest, 9.III.2002, W. Jaitrong leg.; 1♀ (THNHM-I-26003), Chiang Mai Prov., Mae Tang Dist., 15.IV.1975, V. Sukapan leg.; 1♂ (THNHM-I-26004), same locality and collector, 20.IV.1975; 1♂ (THNHM-I-22268), Chiang Mai Prov., Mae Tang Dist., Ban Kued Chang, Huai Nam Dung N.P., 8.III.2008, T. Jeenthong leg.; 2♂ (THNHM-I-25021 and THNHM-I-25023), Chiang Mai Prov., Chom Thong Dist., 30.I.1971, P. Lohavanit leg.

**Distribution.** Chiang Mai Province.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010).

### *Acosmeryx omissa* Rothschild and Jordan, 1903 (Figure 12C–D)

*Acosmeryx omissa* Rothschild and Jordan, 1903: 527. Type locality: Bhutan.

**Material Examined.** **NORTHERN:** 1♀ (THNHM-I-22271), Chiang Mai Prov., Fand Dist., Ang Khang Forest, 9.III.2002, W. Jaitrong leg.

**Distribution.** Chiang Mai Province.

**References.** Inoue *et al.* (1997); Ponpinij (2017).

***Acosmeryx sericeus* (Walker, 1856) (Figure 12E–F)**

*Sphinx anceus* Stoll, [1781]: 124, pl. 355, fig. A. Type locality: Indonesia, Maluku, Amboina [Ambon].

**Material Examined.** **NORTHERN:** 1♂ (THNHM-I-26006), Chiang Mai Prov., Mae Tang Dist., 15.IV.1975, V. Sukapan leg. **WESTERN:** 1♂ (THNHM-I-26005), Kanchanaburi Prov., Sai Yok Dist., Ban Phu Toei, 23.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-22267), Kanchanaburi Prov., Thong Pha Phum Dist., Sahakon Nikhom Subdist., 13.VII.2018, W. Jaitrong leg.

**Distribution.** Chiang Mai and Kanchanaburi Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Acosmeryx shervillii* Boisduval, [1875] (Figure 12G–H)**

*Acosmeryx shervillii* Boisduval, [1875]: 217. Type locality: India: West Bengal, Darjeeling [Darling].

**Material examined.** **NORTHERN:** 3♂ (THNHM-I-22317 to THNHM-I-22319), Chiang Mai Prov., Fang Dist., Doi Ang Khang, 9.III.2002, W. Jaitrong leg.; 1♂ (THNHM-I-25022), Chiang Mai Prov., Doi Inthanon, Dong Thak Ten, 28.I.1971, P. Noonpukoi leg.; 1♂ (THNHM-I-22280), Lampang Prov., Hang Chat Dist., Thung Kwian Plantation, 24.VI.2013, T. Jeenthong leg.; 3♂ (THNHM-I-22333, THNHM-I-22337 and THNHM-I-22338), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2012, T. Jeenthong leg. **WESTERN:** 4♂ (THNHM-I-22322 to THNHM-I-22325), Kanchanaburi Prov., Thong Pha Phum Dist., Thong Pha Phum N.P., 19.XII.2003, W. Jaitrong leg.; 3♂ (THNHM-I-22326 to THNHM-I-22328), same locality and collector, 13.VII.2018; 2♂ (THNHM-I-22316 and THNHM-I-22330), same locality and collector, 14.VII.2018.; 2♂ (THNHM-I-25050 and THNHM-I-25981), Kanchanaburi Prov., Sai Yok Dist., Ban Pu Toei, 23.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-25982) same locality, 15.VI.1971, P. Lohavanijaya leg.; 1♂ (THNHM-I-22277), Prachuap Khiri Khan Prov., Kui Buri Dist., nr. Kui Buri N.P., 27.I.2007, Y. Rassamee leg.; 1♂ (THNHM-I-22279), Tak Prov., Sam Ngao Dist., Bhumipol Dam, 12.III.2005, J. Nabhithabhata leg., **NORTHEASTERN:** 1♂ (THNHM-I-22286), Loei Prov., Phu Luang Dist., Phu Luang W.S., 17°20' 34.1''N, 101°30'31.0''E, 915 m a.s.l., 24.IX.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22287), Loei Prov., Phu Luang Dist., Phu Luang W.S., 17°16' 52.3''N, 101°31'23.5''E, 1,485 m a.s.l., 27.IX.2009, T. Jeenthong leg.; 1♂ (THNHM-I-25983), Nakhon Ratchasima Prov., Khao Yai, 25.V.1967, S. Pongsa leg.; 4♂ (THNHM-I-24559 to THNHM-I-24562), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong & T. Jeenthong leg.; 10♂ (THNHM-I-24563 to THNHM-I-24570, THNHM-I-24690 and THNHM-I-24691), same locality and collector, 22.III.2021.; 1♂ (THNHM-I-25984), same locality, 14.IX.1967, S. Sitalert leg.; 1♂ (THNHM-I-25985), same locality and collector, 11.X.1967.; 1♂ (THNHM-I-25986), same locality, 1.XI.1967, Koby leg.; 1♂ (THNHM-I-25988), same locality, 23.I.1968, S. Pongsa leg.; 2♂ (THNHM-I-25989 and THNHM-I-25990), same locality and date, N. Kobayashi leg.; 1♀ (THNHM-I-25991), same locality, 23.V.1968, S. Pongsa leg., **CENTRAL:** 5♂ (THNHM-I-25081 and THNHM-I-25082, THNHM-I-25084 and THNHM-I-25085, THNHM-I-25088) and 1♀ (THNHM-I-25083), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-22331, THNHM-I-22332) and 1♀ (THNHM-I-22334), same locality and date, T. Jeenthong leg.; 1♂ (THNHM-I-22676), same locality and collector, 8.VIII.2020.; 1♂ (THNHM-I-22158), same locality, 17.X.2020, S. Sae-tieow leg.; 1♀ (THNHM-I-22154), same locality and date, Y. Visavayothanun leg.; 1♂

(THNHM-I-22677), same locality, 12.IX.2020, S. Sae Tieow leg.; 1♂ (THNHM-I-22678), same locality and date, S. Loharnchoon leg.; 1♂ (THNHM-I-25074), same locality, 15.XI.2020, P. Kantharak leg.; 1♀ (THNHM-I-25075), same locality, 14.XI.2020, K. Laohavisit leg.; 5♂ (THNHM-I-25142, THNHM-I-25143, THNHM-I-25145 to THNHM-I-25147) and 6♀ (THNHM-I-25141, THNHM-I-25144, THNHM-I-25148 to THNHM-I-25151), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg.; 7♂ (THNHM-I-22166 to THNHM-I-22169 and THNHM-I-22172 to THNHM-I-22173 and THNHM-I-22183), same locality and collectors, 17.X.2020.; 4♂ (THNHM-I-23968, THNHM-I-23969, THNHM-I-23971 and THNHM-I-23972) and 1♀ (THNHM-I-23970), same locality and collectors, 16.I.2021.; 4♂ (THNHM-I-23858 and THNHM-I-24186 to THNHM-I-24188), same locality, 12.XII.2020, T. Jeenthong leg.; 1♂ (THNHM-I-24185), same locality and date, S. Thongpaknam leg.; 1♂ (THNHM-I-24189), same locality and date, W. Jaitrong leg.; 1♂ (THNHM-I-24593), same locality, 3.IV.2021, T. Khantharak leg.; 1♂ (THNHM-I-24594), same locality and date, T. Anuttaragulwanit leg. **EASTERN:** 1♂ (THNHM-I-22289), Chachoengsao Prov., Tha Ta Kiap Dist., Ban Nong Kok, Khao Ang Rue Nai W.S., 17.X.2005, T. Jeenthong leg.; 1♂ (THNHM-I-22288), same locality, 27.II.2003, W. Jaitrong leg.; 1♂ (THNHM-I-22320), Chanthaburi Prov., Khlung Dist., Ban Ang Et, Light trap, 3.VIII.2014, W. Jaitrong leg.; 1♂ (THNHM-I-22339), Trat Prov., Mueang Dist., Trat Agroforestry Research Station, 21.II.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22340), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, N 11°37'28.4" E 102°32'48.6", 18.IV.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22341), same locality and collector, 19.IV.2009.; **SOUTHERN:** 3♂ (THNHM-I-24999 to THNHM-I-25001), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N. P., Huai Kaeo Waterfall, 8°56'09.2"N, 99°40'34.8"E, 31.X.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22311), same locality and collector, 27.VII.2008.; 1♂ (THNHM-I-22291), same locality and collector, 27.X.2006.; 3♂ (THNHM-I-22312, THNHM-I-22313, THNHM-I-22315), same locality and collector, 1.XI.2008.; 1♂ (THNHM-I-22302), same locality, 10.I.2008, W. Jaitrong leg.; 3♂ (THNHM-I-22308 to THNHM-I-22310), same locality and collector, 26.VI.2008.; 1♂ (THNHM-I-22297), same locality and collector, 25.III.2007.; 6♂ (THNHM-I-25002 to THNHM-I-25006 and THNHM-I-22278), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N. P., Khlong Yod Nam Waterfall, 30.X.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22303), same locality and collector, 1.II.2008.; 2♂ (THNHM-I-22305 and THNHM-I-22307), same locality, 26.VI.2008, W. Jaitrong leg.; 1♂ (THNHM-I-22290), same locality, 23.X.2006, J. Nabhithabhata *et al.* leg.; 1♂ (THNHM-I-25987), Nakhon Si Thammarat Prov., Nopphitam Dist., Krung Ching Waterfall, 23.III.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22274), same locality and collector, 10.XII.2007.; 1♀ (THNHM-I-22293) and 2♂ (THNHM-I-22292 and THNHM-I-22294), Nakhon Si Thammarat Prov., Papra Station, Khao Nan N.P., 240 msl., Light trap, 26.XI.2006. J. Nabhithabhata [= Jin] *et al.* leg.; 3♂ (THNHM-I-22295, THNHM-I-22296 and THNHM-I-22298), Nakhon Si Thammarat Prov., Khao Nan N.P., Huai Lex, Light trap, 29.I.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22299), Nakhon Si Thammarat Prov., Nopphitam Dist., Lam Nam Khlong Gay, Khao Nan N.P., 10.XII.2007, T. Jeenthong leg.; 3♂ (THNHM-I-25047 to THNHM-I-25049), Trang Prov., Palian Dist., Ton Tae Waterfall, 14.VII.2020. W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-25992), Ranong Prov., 1.VI.1967, M. Aylen leg.; 1♂ (THNHM-I-25300) and 1♀ (THNHM-I-25306), Ranong Prov., Mueang Dist., Mangrove Forest Research Center, 9°52'44.45"N, 98°36'34.54"E, 3.IX.2016, T. Jeenthong leg.

**Distribution.** Chiang Mai, Lampang, Phrae, Kanchanaburi, Prachuap Khiri Khan, Tak, Loei,

Nakhon Ratchasima, Saraburi, Chachoengsao, Chanthaburi, Nakhon Si Thammarat, Trang, and Ranong Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Angonyx testacea* (Walker, 1856) (Figure 13A–B)**

*Perigonia testacea* Walker, 1856: 102. Type locality: Sri Lanka?

**Material Examined.** **NORTHERN:** 1♀ (THNHM-I-26082), Chiang Mai Prov., Monung Kate, 20.IV.1975, V. Sukanan leg.; 1♀ (THNHM-I-22356), Tak Prov., Um Phang Dist., Tung Yai Naruesuan East W.S., 23.VII.2002, T. Jeenthong leg. **NORTHEASTERN:** 2♂ (THNHM-I-26081 and THNHM-I-26084), Nakhon Ratchasima [= Khorat], Wang Nam Khiao [=Pak Thong Chai] Dist., Sakaerat Environmental Research Station [=Sakaerat], 21-22.VI.1967, KOBY leg.; 1♂ (THNHM-I-26085) same locality and collector, 19.VI.1968.; 1♀ (THNHM-I-26083), same locality and date P. Lohavanitjaya leg. 1♂ (THNHM-I-24584), Nakhon Ratchasima [= Khorat], Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong & T. Jeenthong leg.; 2♂ (THNHM-I-24585 and THNHM-I-24586), same locality and collectors, 22.III.2021. **CENTRAL:** 1♀ (THNHM-I-24204), Saraburi Prov., Kaeng Khoi Dist., Cha-om Sub-dist., Banpa Nature School, 6.III.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-23965), same locality and collectors, 16.I.2021. **EASTERN:** 1♀ (THNHM-I-22262), Trat Prov., Ko Kut [=Ko Kud] Dist, Ban Khlong Chao, 11°37' 28.4"N, 102°32'48.6"E, 19.IV.2009, T. Jeenthong leg.; 2♂ (THNHM-I-22263 and THNHM-I-22264), same locality and collector, 27.III.2010. **SOUTHERN:** 2♂ (THNHM-I-22260 and THNHM-I-22261), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Yod Nam Waterfall, 17.IV.2008, T. Jeenthong leg.

**Distribution.** Chiang Mai, Tak, Nakhon Ratchasima, Saraburi, Trat, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Cechenena helops* (Walker, 1856) (Figure 13C–D)**

*Philampelus helops* Walker, 1856: 180. Type locality: Malaysia.

**Material Examined.** **NORTHERN:** 1♀ (THNHM-I-22357), Chiang Mai Prov., Fang Dist., Doi Ang Khang Royal Project, 29.II.2002, W. Jaitrong leg. **WESTERN:** 1♂ (THNHM-I-22359) and 1♀ (THNHM-I-22360), Kanchanaburi Prov., Thong Pha Phum Dist., Ban Sahakorn Nikhom, 13.VII.2018, W. Jaitrong leg. **NORTHEASTERN:** 1♂ (THNHM-I-26008) and 2♀ (THNHM-I-25026 and THNHM-I-26007), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 1-4.V.1973, L. Pakarnseree leg. **SOUTHEAST:** 1♂ (THNHM-I-25011), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Khlong Yod Nam, 30.X.2008, T. Jeenthong leg.; 1♀ (THNHM-I-22358), same locality, 8°54'32.6"N, 99°43'55.3"E, 26.VI.2008, W. Jaitrong leg.

**Distribution.** Chiang Mai, Kanchanaburi, Nakhon Ratchasima, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Cechetra lineosa* (Walker, 1856) (Figure 13E–F)**

*Chaerocampa lineosa* Walker, 1856: 144. Type locality. Silhet.

**Material Examined. NORTHERN:** 2♂ (THNHM-I-22375 and THNHM-I-22376), Chiang Mai Prov., Fang Dist., Doi Ang Khang Royal Project, 9.III.2002, W. Jaitrong leg.; 1♂ (THNHM-I-22380), Chiang Mai Prov., Mae Tang Dist., Ban Kued Chang, Hui Nam Dung N.P., 6.XI.2007, T. Jeenthong leg.; 1♂ (THNHM-I-26086), Chiang Mai Prov., Mae Taeng Dist., Mon-ungkate, 18.IV.1975, V. Sukapan leg.; 4♂ (THNHM-I-26087 to THNHM-I-26090), same locality and collector, 19.IV.1975.; 1♂ (THNHM-I-25019), same locality and same collector, 28.IV.1975.

**WESTERN:** 2♂ (THNHM-I-22378 and THNHM-I-22382), Tak Prov., Um Phang Dist., Thung Yai Naresuan East W.S., Huai Nam Khiao, 24.IX.2016. T. Jeenthong leg.

**Distribution.** Chiang Mai and Tak Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Cechetra minor* (Butler, 1875) (Figure 13G–H)**

*Chaerocampa minor* Butler, 1875: 249. Type locality: India, Uttaranchal, Massuri [Mussoorie].

**Material Examined. WESTERN:** 1♂ (THNHM-I-22379), Kanchanaburi Prov., Thong Pha Phum Dist., Thong Pha Phum N.P., 19.XII.2003, W. Jaitrong leg.; 1♂ (THNHM-I-22383), Kanchanaburi Prov., Thong Pha Phum Dist., Sahakorn Nikhom Subdist., 14.VII.2018, W. Jaitrong leg. **NORTH-EASTERN:** 1♂ (THNHM-I-22381), Loei Prov., Phu Luang Dist., Phu Luang W.S., Phu Luang Wildlife Research Station, 17°20' 34.1>>N, 101°30' 31.0>>E, 915 m a.s.l., 25.IX.2009, T. Jeenthong leg.

**Distribution.** Kanchanaburi and Loei Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Cechetra subangustata* Rothschild, 1920 (Figure 14A–B)**

*Cechetra lineosa subangustata* Rothschild, 1920: 482. Type locality: Indonesia, Sumatra [Sumatera], Benkoelen District [Bengkulu], Lebong Tandai.

**Material Examined. WESTERN:** 1♀ (THNHM-I-22377), Kanchanaburi Prov., Thong Pha Phum Dist., unknow date and collector.

**Distribution.** Kanchanaburi Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Cephonodes hylas* (Linnaeus, 1771) (Figure 14C–D)**

*Sphinx hylas* Linnaeus, 1771: 539. Type locality: China.

**Material Examined. NORTHERN:** 1♂ (THNHM-I-22374), Lampang Prov., Ngao Dist., Tham Pha Tao N.P., 1.VI.2004, T. Jeenthong leg. **WESTERN:** 1♀ (THNHM-I-25054), Kanchanaburi Prov., Mueang Dist., Rajabhat Kanchanaburi University, 28.III.2121, T. Jeenthong leg.

**Distribution.** Lampang and Kanchanaburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Cephonodes picus* (Cramer, 1777) (Figure 14E–F)**

*Sphinx picus* Cramer, 1777: 38, pl. 148, f. B. Type locality. India, coast of Coromandel [Tamil Nadu/Andhra Pradesh].



**Material Examined. EASTERN:** 1♀ (THNHM-I-22373), Chonburi Prov., Sri Racha Dist., Kasetsart Campus, 18.IV.2003, J. Nabhithabhata [= Jin] *et al.* leg.; 1♂ (THNHM-I-22682), Chachoengsao Prov., Tha Takiap Dist., Ban Nong Kok, Khao Ang Reu Nai W.S., 25.VI.2005, T. Jeenthong leg.

**Distribution.** Chonburi and Chachoengsao Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010).

### ***Daphnis hypothous* (Cramer, 1780) (Figure 14G–H)**

*Sphinx hypothous* Cramer, 1780: 165. Type locality: Amboina.

**Material examined. NORTHERN:** 1♂ (THNHM-I-22398) and 1♀ (THNHM-I-22399), Chiang Mai Prov., Mae Tang Dist., Ban Kued Chang, Hui Nam Dung N. P., 6.XI.2007, T. Jeenthong leg., **WESTERN:** 2♂ (THNHM-I-22400 and THNHM-I-22401), Kanchanaburi, Thong Pa Poom Dist., Thong Pa Poom N.P., 19.XII.2003, W. Jaitrong leg.; 2♂ (THNHM-I-26017 and THNHM-I-26018), Kanchanaburi Prov., Sai Yok Dist, Ban Pu Toei, 19.VI.1971, S. Pongsa leg.; 1♀ (THNHM-I-26015), same locality and collector, 22.VI.1971., **NORTHEASTERN:** 3♂ (THNHM-I-22395 to THNHM-I-22397), Loei Prov., (Pu Ruar Dist., = Miss spelling as Pu Luang), Pu Luang W.S., Khok Nok Kraba, 17°16'52.4"N, 101°31'23.5"E, 1485 m., 26.IX.2009, T. Jeenthong leg.; 1♂ (THNHM-I-26013), Nakhon Ratchasima Prov., Pak Thong Chai Dist, 26.IV.1967, N. Kobayashi leg.; 1♂ (THNHM-I-26014), Nakhon Ratchasima Prov., Sakaerat, 10.VII.1968, Udom leg., 1♀ (THNHM-I-26016), same locality, 25.V.1967, S. Pongsapipatana leg.; 3♀ (THNHM-I-25014 and THNHM-I-25015 and THNHM-I-25024), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai, 1-4.V.1973, L. Pakarnseree leg., **CENTRAL:** 2♂ (THNHM-I-22391 and THNHM-I-22392), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 1♂ (THNHM-I-24170), same locality, 12.XII.2020, T. Anuttarakonwanit leg.; 2♂ (THNHM-I-24725 and THNHM-I-24726), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-25078), same locality and date, T. Anuttarakonwanit leg.; 1♀ (THNHM-I-25079), same locality and date, K. Phrammanee leg.; 2♂ (THNHM-I-22152 and THNHM-I-22153), same locality, 17.X.2020, P. Kamtharak leg.; 1♀ (THNHM-I-25140), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg. **EASTERN:** 2♂ (THNHM-I-22393 and THNHM-I-22394), Chanthaburi Prov., Khlung Dist., Ban Ang Et, 3.VIII.2014, W. Jaitrong leg.

**Distribution.** Chiang Mai, Kanchanaburi, Loei, Nakhon Ratchasima, Saraburi, and Chanthaburi Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### ***Daphnis nerii* (Linnaeus, 1758) (Figure 15A–B)**

*Sphinx nerii* Linnaeus, 1758 1: 490. Type locality: Unknown.

**Material examined. CENTRAL:** 1♂ (THNHM-I-22405), Saraburi Prov., Muak Lek Dist., Thai Danish Daily farm, 10.I.2017, S. Tiangbangluang leg.; 1♀ (THNHM-I-22407), Pathum Thani Prov., Khlung Luang Dist., National Science Museum, unknown date, W. Jaitrong leg.; 1♀ (THNHM-I-22200), same locality, 1.III.2020, T. Jeenthong leg.; 1♂ (THNHM-I-26012), unknown locality, A.S.R.C.T., L. Pakanseree leg.

**Distribution.** Saraburi and Pathum Thani Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand

Nature Project (2021).

***Daphnis placida* (Walker, 1856) (Figure 15C–D)**

*Darapsa placida* Walker, 1856: 186. Type locality: Sumatra.

**Material examined.** **NORTHERN:** 1♂ (THNHM-I-25016), Chiang Mai Prov., Mae Taeng Dist., Monungkate, 19.IV.1975, V. Sukapan leg., **CENTRAL:** 1♂ (THNHM-I-22404), Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai Forest Plantation, 29.VI.2013. T. Jeenthong leg.; 1♀ (THNHM-I-25092), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 13.II.2021, W. Jaitrong & T. Jeenthong leg. **SOUTHERN:** 1♀ (THNHM-I-22403), Trang Prov., Na Yong Dist., Khao Chong Botanical Garden, 26.XI.2003. Orosz & Sziraki leg.

**Distribution.** Chiang Mai, Sukhothai, Saraburi, and Trang Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Elibia dolichoides* (C. Felder and F. Felder, 1874) (Figure 15E–F)**

*Sphinx dolichoides* C. Felder and F. Felder, 1874: pl. 76, fig. 8. Type locality: India]: Sikkim, West Bengal.

**Material examined.** **WESTERN:** 1♂ (THNHM-I-22256) and 1♀ (THNHM-I-22257), Tak Prov., Um Pang Dist., Tung Yai Naresuan East W.S., 24.IX.2016, T. Jeenthong leg.; 1♂ (THNHM-I-26010), Kanchanaburi Prov., Sai Yok Dist., Kwae-noi, Ban Pu Toei, 22.VI.1971, S. Pongsa leg.; 2♂ (THNHM-I-26009 and THNHM-I-26011), same locality and collector, 23.VI.1971.; 2♂ (THNHM-I-22258 and THNHM-I-22259), Kanchanaburi, Thong Pa Poom Dist., Thong Pa Poom N.P., 19.XII.2003, W. Jaitrong leg., **NORTHEASTERN:** 15♂ (THNHM-I-24631, THNHM-I-24643 to THNHM-I-24656), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 11.III.2021, W. Jaitrong & T. Jeenthong leg.; 10♂ (THNHM-I-24632 to THNHM-I-24640 and THNHM-I-24642) and 1♀ (THNHM-I-24641), same locality and collector, 22.III.2021., **SOUTHERN:** 1♂ (THNHM-I-22255), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Nan N.P., Lum Nam Khlong Gay, 10.X.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22253), Nakhon Si Thammarat, Sichon, Khao Nan N.P., Yod Nam Waterfall, 1.II.2008, T. Jeenthong leg.; 2♂ (THNHM-I-22249 and THNHM-I-22250), same locality, 26.VI.2008, W. Jaitrong leg.; 1♂ (THNHM-I-22254), Nakhon Si Thammarat, Sichon, Khao Nan N.P., Huai Kaeo Waterfall, 1.X.2018, T. Jeenthong leg., 2♂ (THNHM-I-22251 and THNHM-I-22252), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Huai Lak, 1.VI.2007, T. Jeenthong leg.

**Distribution.** Tak, Kanchanaburi, Nakhon Ratchasima, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997, cited as *Ampelophaga dolichoides*); Ponpinij (2017, cited as *Ampelophaga dolichoides*).

***Elibia dolichus* (Westwood, 1847) (Figure 15G–H)**

*Sphinx dolichus* Westwood, 1847: 61. Type locality: Bangladesh, Silhet [Sylhet].

**Material examined.** **NORTHERN:** 1♀ (THNHM-I-26019), Chiang Mai Prov., Mae Tang Dist., 19.IV.1975, V. Suknam leg.; **SOUTHERN:** 1♂ (THNHM-I-22443), Nakhon Si Thammarat, Sichon, Khao Nan N.P., Yod Nam Waterfall, 17.IV.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22442), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Sunanta Waterfall, 8.I.2008, W. Jaitrong leg.; 1♀ (THNHM-I-22441), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P.,

Huai Lak, 30.V.2007, W. Jaitrong leg.; 1♀ (THNHM-I-22440), Nakhon Si Thammarat Prov., Khao Nan N.P., Papra Station, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 1♂ (THNHM-I-26020), Trang Prov., Palian Dist., Ton Tae Waterfall., light trap, 14.VIII.2020, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Chiang Mai, Nakhon Si Thammarat, and Trang Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Dokchan *et al.* (2013); Ponpinij (2017); Thailand Nature Project (2021).

### *Enpinanga assamensis* (Walker, 1856) (Figure 16A–B)

*Oceanica assamensis* Walker, 1856. 160. Type locality: Bangladesh, Silhet [Sylhet].

**Material Examined. CENTRAL:** 1♂ (THNHM-I-22683), Saraburi Prov., Kaeng Koi Dist., Banpa Nature School, 12.IX.2020, T. Khanthavak leg. **SOUTHERN:** 1♂ (THNHM-I-22427), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Huai Lak, 31.V.2007, T. Jeenthong leg.; 1♂ (THNHM-I-22433), same national park, Sunanta Waterfall, 85 m a.s.l., 5.IV.2006, T. Jeenthong leg.; 1♀ (THNHM-I-22434), same national park, Yod Nam Waterfall, 8°54'32.6"N, 99°43'55.3"E, 26.VI.2008, W. Jaitrong leg.; 1♂ (THNHM-I-22431), Ranong Prov., Mueang Dist., Mangrove Forest Research Center, 9°52'44.45"N, 98°36'34.54"E, 3.IX.2016, T. Jeenthong leg.

**Distribution.** Saraburi, Ranong, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

### *Eupanacra elegantulus* (Herrich-Schäffer, 1856) (Figure 16C–D)

*Thyreus elegantulus* Herrich-Schäffer, 1856: f. 479. Type locality: Indonesia, N. Sumatra, 15km NE Prapat.

**Material Examined. SOUTHERN:** 1♂ (THNHM-I-22429), Nakhon Si Thammarat Prov., Khao Nan N.P., Papra Station, 240 m a.s.l., light trap, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 1♀ (THNHM-I-22430), same national park, Head Quarter, 27.III.2007, T. Jeenthong leg.

**Distribution.** Nakhon Si Thammarat Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

### *Eupanacra mydon* (Walker, 1856) (Figure 16E–F)

*Panacra mydon* Walker, 1856: 155. Type locality: Bangladesh, Silhet [Sylhet].

**Material Examined. SOUTHERN:** 1♀ (THNHM-I-22428), Nakhon Si Thammarat Prov., Khao Nan N.P., Papra Station, 240 m a.s.l., Light trap, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 1♂ (THNHM-I-22432), Ranong Prov., Mueang Dist., Mangrove Research Center, 9°52'44.45"N, 98°36'34.54"E, 3.IX.2016, T. Jeenthong leg.

**Distribution.** Nakhon Si Thammarat and Ranong Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### *Eupanacra regularis* (Butler, 1875) (Figure 16G–H)

*Panacra dohertyi* Rothschild, 1894: 81. Type locality: Indonesia, Java [Jawa].

**Material Examined. SOUTHERN:** 2♂ (THNHM-I-22435 and THNHM-I-22436), Nakhon Si Thammarat Prov., Khao Nan N.P., Papra Station, 240 m a.s.l., Light trap, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 1♂ (THNHM-I-22437) and 2♀ (THNHM-I-22438 and THNHM-I-22439),

same national park, Yod Nam Waterfall, 8°54'32.6"N, 99°43'55.3"E, 26.VI.2008, W. Jaitrong leg.; 1♂ (THNHM-I-26023), Trang Prov., Palian Dist., Ton Tae Waterfall, light trap, 14.VIII.2020, T. Jeenthong leg.

**Distribution.** Nakhon Si Thammarat and Trang Provinces.

**References.** Inoue *et al.* (1997); Ponpinij (2017); Thailand Nature Project (2021).

***Eupanacra variolosa* (Walker, 1856) (Figure 17A–B)**

*Panacra variolosa* Walker, 1856: 156. Type locality: Bangladesh, Silhet [Sylhet].

**Material Examined.** **NORTHERN:** 1♀ (THNHM-I-22426), Chiang Mai Prov., Mae Tang, Ban kued Chang, Huai Nam Dang N.P., 9.XI.2007, T. Jeenthong leg. **SOUTHERN:** 1♂ (THNHM-I-22425), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Nan N.P., Papra Station, 240 m a.s.l., light trap, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.

**Distribution.** Chiang Mai and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Ponpinij (2017); Thailand Nature Project (2021).

***Eurypteryx bhaga* (Moore, 1866) (Figure 17C–D)**

*Darapsa bhaga* Moore, 1866: 794. Type locality: India, Northeast Bengal.

**Material Examined.** **CENTRAL:** 1♂ (THNHM-I-24599), Saraburi Prov., Kaeng Khoi Dist., Ban-pa Nature School, 3.IV.2021, M. Chuenwatanakul leg.

**Distribution.** Saraburi Province.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Gnathothlibus erotus* (Cramer, 1777) (Figure 17E–F)**

*Sphinx erotus* Cramer, 1777: 12, pl. 104, fig. B. Type locality: Unknown.

**Material examined.** **NORTHERN:** 1♂ (THNHM-I-25013), Chiang Mai Prov., Doi Inthanon, Dong Thak Ten, 28.I.1971, P. Lohavanit leg. **WESTERN:** 1♀ (THNHM-I-22444) and 1♂ (THNHM-I-22445), Kanchanaburi Prov., Thong Pha Phum N. P., 19.XII.2003, W. Jaitrong leg. **NORTHEASTERN:** 3♂ (THNHM-I-25027, THNHM-I-26112, THNHM-I-26113), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 1–4.V.1973, L. Pakarnseree leg.

**Distribution.** Chiang Mai, Kanchanaburi, and Nakhon Ratchasima Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Hippotion rafflesii* (Butler, 1877) (Figure 17G–H)**

*Choerocampa rafflesii* Butler, 1877: 556. Type locality: Indonesia, Java.

**Material Examined.** **SOUTHERN:** 1♂ (THNHM-I-22652), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Huai Kaeo Waterfall, 1.XI.2008, T. Jeenthong leg.

**Distribution.** Nakhon Si Thammarat Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Hippotion rosetta* (Swinhoe, 1882) (Figure 18A–B)**

*Chaerocampa* [sic] *rosetta* Swinhoe, 1892: 16. Type locality: Ceram, Melville Island.

**Material Examined.** **WESTERN:** 1♀ (THNHM-I-26116), Kanchanaburi Prov., Sai Yok Dist.,



Keae Noi, Ban Pu Toei, 19.VI.1971, S. Pongsa leg.; 5♂ (THNHM-I-26117 to THNHM-I-26121), same locality, date and collector, **CENTRAL**: 4♂ (THNHM-I-22448 to THNHM-I-22451), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 2♂ (THNHM-I-23859 and THNHM-I-23865), same locality, 12.XII.2020, T. Jeenthong leg.; 1♂ (THNHM-I-24194), same locality, 12.XII.2020, K. Lahavisit leg.; 1♂ (THNHM-I-24195), same locality, 12.XII.2020, K. Somboon leg.; 1♂ (THNHM-I-24196), same locality, 12.XII.2020, S. Loharnchoon leg.; 1♂ (THNHM-I-23963), same locality, 16.I.2021, W. Jaitrong & T. Jeenthong leg.; 4♂ (THNHM-I-24752 to THNHM-I-24755), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 8♂ (THNHM-I-25158 to THNHM-I-25165), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-26122), Nong Khae [=Nong Kae] (Saraburi Prov.), 24-25.VI.1966, P. Reeves leg., PR-6-b-33, **SOUTHERN**: 2♂ (THNHM-I-22446 and THNHM-I-22447), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Nan N.P., Papra Station, 240 m a.s.l., light trap, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.

**Distribution.** Kanchanaburi, Saraburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### ***Hippotion velox* (Fabricius, 1793) (Figure 18C–D)**

*Sphinx velox* Fabricius, 1793: 378. Type locality: India orientali” (Abildgaard).

**Material Examined.** **WESTERN**: 3♂ (THNHM-I-26031, THNHM-I-26032, and THNHM-I-26034) and 1♀ (THNHM-I-26033), Kanchanaburi Prov., Sai Yok Dist., Ban Phu Toei, 23.VI.1971, S. Pongsa leg.; 1♀ (THNHM-I-26035), Kanchanaburi Prov., Sai Yok Dist., Kwae Noi, 13.VI.1971, P. Lohavanijaya leg.; 1♀ (THNHM-I-26036), Phetchaburi Prov., PR-5-f-38, 14.V.1966, P. Reeves leg. **NORTHEASTERN**: 2♂ (THNHM-I-24531 and THNHM-I-24532), Nakhon Ratchasima Prov., Wang Nam Kheio Dist., Sakaerat Environmental Research Station, 22.III.2021, W. Jaitrong & T. Jeenthong leg. **CENTRAL**: 1♀ (THNHM-I-22452) and 3♂ (THNHM-I-22453 to THNHM-I-22455), Saraburi Prov., Kaeng Khoi Dist., Banpa Nature School, 23.VI.2020., T. Jeenthong leg.; 1♂ (THNHM-I-22684), same locality and collector, 29.VII.2020.; 1♂ (THNHM-I-22685), same locality and collector, 8.VIII.2020.; 11♂ (THNHM-I-24739 to THNHM-I-24747, THNHM-I-24750, and THNHM-I-24751) and 2♀ (THNHM-I-24748 and THNHM-I-24749), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 3♂ (THNHM-I-25166 to THNHM-I-25168) and 2♀ (THNHM-I-25169 and THNHM-I-25170), same locality and collector, light trap, 12.VI.2021.; 2♂ (THNHM-I-22193 and THNHM-I-23862), same locality, 17.XII.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-23861), same locality, 17.XII.2020, T. Jeenthong leg.; 1♂ (THNHM-I-25058) and 1♀ (THNHM-I-25057), same locality, 29.V.2020, T. Jeenthong leg.; 1♀ (THNHM-I-26039), Nakhon Nayok Prov., Sarika Waterfall, 10.VII.1967, N. Kobayashi leg. **Unknown Province**: 1♂ (THNHM-I-26038) and 1♀ (THNHM-I-26037), unknown locality, KHUM, KH. 33, 1.V.1969.

**Distribution.** Kanchanaburi, Phetchaburi, Nakhon Ratchasima, Saraburi, and Nakhon Nayok Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Macroglossum affictitia* Butler, 1875 (Figure 18E–F)**

*Macroglossa affictitia* Butler, 1875: 240, pl. 36, f. 7. Type locality: India: Karnataka, Canara [Kanara].

**Material Examined. NORTHEASTERN:** 1♂ (THNHM-I-23864), Nakhon Ratchasima [= Khorat] Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 25.VI.1968, S. Pongsa leg.

**Distribution.** Nakhon Ratchasima Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Macroglossum aquila* Boisduval, [1875] (Figure 18G–H)**

*Macroglossa aquila* Boisduval, [1875]: 340. Type locality: Bangladesh, Silhet [Sylhet]; Cochinchina [Vietnam].

**Material examined. WESTERN:** 2♂ (THNHM-I-22496 and THNHM-I-22497), Tak Prov., Um Phang Dist., Thung Yai Naresuan East W.S. 23.VII.2002. T. Jeenthong leg.

**Distribution.** Tak Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Macroglossum belis* (Linnaeus, 1758) (Figure 19A–B)**

*Opis belis* Linnaeus, 1758: 493. Type locality: “In calidis regionibus”.

**Material examined. NORTHERN:** 1♂ (THNHM-I-25018), Chiang Mai Prov., Mae Tang Dist., Monungkate, 19.IV.1975, V. Sakavan leg. **NORTHEASTERN:** 1♂ (THNHM-I-26124) and 1♀ (THNHM-I-26125), Ubon Ratchathani Prov., Muang Dist., Ubon Ratchathani Zoo, Light trap, 27.VI.2016, T. Jeenthong leg., **EASTERN:** 1♀ (THNHM-I-22499), Rayong Prov., Klaeng Dist., Ko Mun Nai, 12°36'45.4"N, 101°41'15.7"E, 20.II.2008. T. Jeenthong leg.; 1♂ (THNHM-I-22500), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, 17.IV.2009, 11°37'26.4"N, 102°32'48.6"E, T. Jeenthong leg.

**Distribution.** Chiang Mai, Ubon Ratchathani, Rayong, and Trat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Macroglossum corythus* Walker, 1856 (Figure 19C–D)**

*Macroglossum corythus* Walker, 1856: 92. Type locality: Ceylon [Sri Lanka].

**Material examined. NORTHEASTERN:** 1♀ (THNHM-I-24592), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station., 22.III.2021, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Nakhon Ratchasima Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Dokchan *et al.* (2013); Tigvattananont and Bumroongsook (2016); Choi *et al.* (2020); Ponpinij (2017); Thailand Nature Project (2021).

***Macroglossum faro* (Cramer, 1780) (Figure 19E–F)**

*Sphinx faro* Cramer, [1780]: 165, pl. 285, fig. C. Type locality: India, “Coromandel” [Tamil Nadu/Andhra Pradesh].

**Material examined. SOUTHEN:** 1♂ (THNHM-I-22495), Ranong Prov., Mangrove Forest Research Center, 9°52'44.5"N 98°36'44.54"E, 3.XI.2016, T. Jeenthong leg.

**Distribution.** Ranong Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Macroglossum gyrans* Walker, 1856 (Figure 19G–H)**

*Macroglossum gyrans* Walker, 1856: 91. Type locality: North India.

**Material examined. CENTRAL:** 1♂ (THNHM-I-24172), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 12.XII.2020, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Saraburi Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Kliangklaio *et al.* (2015); Ponpinij (2017); Thailand Nature Project (2021).

***Macroglossum hemichroma* Butler, 1875 (Figure 20A–B)**

*Macroglossum hemichroma* Butler, 1875: 243. Type locality: Bangladesh, Silhet [Sylhet].

**Material Examined. CENTRAL:** 1♂ (THNHM-I-24600), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 3.IV.2021, D. Pumalee leg.

**Distribution.** Saraburi Province.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017).

***Macroglossum mitchellii* Boisduval, [1875] (Figure 20C–D)**

*Macroglossum mitchellii* Boisduval, [1875]: 351. Type locality: Indonesia, Java [Jawa].

**Material Examined. NORTHEASTERN:** 1♂ (THNHM-I-22494), Loei Prov., Phu Luang Dist., Phu Luang W.S., Khoknokka, 17°16' 52.3»N, 101°31'23.5»E, 1,485 m a.s.l., 26.IX.2009, T. Jeenthong leg.

**Distribution.** Loei Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Macroglossum prometheus* Boisduval, [1875] (Figure 20E–F)**

*Macroglossum prometheus* Boisduval, [1875]: 355. Type locality: Indonesia, Java [Jawa].

**Material Examined. CENTRAL:** 1♀ (THNHM-I-25156), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 12.VI.2021, W. Jaitrong & T. Jeenthong leg., **Unknown Province:** 1♂ (THNHM-I-26127), unknown locality, collected from Camp Site on 1.V.1969, KHUM. KH.57.

**Distribution.** Saraburi Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Kliangklaio *et al.* (2015).

***Macroglossum pseudungues* Holloway, 1987 (Figure 20G–H)**

*Macroglossum pseudungues* Holloway, 1987: 168. Type locality: Malaysia, Sarawak, Bidi.

**Material examined. NORTHERN:** 1♂ (THNHM-I-24997), Chiang Mai Prov., Omkoi Dist., Omkoi Subdist., Omkoi N.P., 28.IX.2020, W. Jaitrong & T. Jeenthong leg. **CENTRAL:** 1♂ (THNHM-I-22197), Saraburi Prov., Kaeng Koi Dist., Cha-om Subdist., Banpa Nature School, 17.X.2020, W. Jaitrong & T. Jeenthong leg.

**Distribution.** Chiang Mai and Saraburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Macroglossum sitiene* Walker, 1856 (Figure 21A–B)**

*Macroglossum sitiene* Walker, 1856: 92. Type locality: Bangladesh, Silhet [Sylhet].

**Material examined. NORTHERN:** 1♂ (THNHM-I-22498), Mae Hong Son Prov., Mae Sa

riang Dist., Ban Mae Sam Lab, Salawin W.S., 17°57' 50.7"N, 97°44' 21.0"E, 1,485 m a.s.l., 14.XI.2007, T. Jeenthong leg. **WESTERN:** 1♂ (THNHM-I-25052), Kanchanaburi Prov., Mueang Dist., Kanchanaburi Rajabhat University, 23.XI.2020, T. Jeenthong leg. **NORTHEASTERN:** 1♂ (THNHM-I-26128), Nakhon Ratchasima [= Khorat] Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station, 30.VII.1968, KOBY leg.

**Distribution.** Mae Hong Son, Kanchanaburi, and Nakhon Ratchasima Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Kliangklae *et al.* (2015); Ponpinij (2017); Thailand Nature Project (2021).

***Macroglossum troglodytus* Boisduval, [1875] (Figure 21C–D)**

*Macroglossum troglodytus* Boisduval, [1875]: 344. Type locality: India, West Bengal, Darjeeling [Darling].

**Material examined.** **INDONESIA:** 1♀ (THNHM-I-26126), Lake Lindu, Namru-2, 13.XI.1973, unknown collector.

**Distribution.** Indonesia.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010).

***Neogurelca himachala* (Butler, [1875]) (Figure 21E–F)**

*Gurelca himachala* Butler, [1875]: 621. Type locality: NE Himalaya.

**Material examined.** **SOUTHERN:** 1♂ (THNHM-I-22501), Nakhon Si Thammarat Prov., Khao Nan N. P., Kroung Nang Waterfall, I.VI.2007, T. Jeenthong leg.

**Distribution.** Nakhon Si Thammarat Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010).

***Neogurelca hyas* (Walker, 1856) (Figure 21G–H)**

*Gurelca hyas* Walker, 1856: 107. Type locality: Indonesia, Java [Jawa].

**Material examined.** **NORTHERN:** 1♀ (THNHM-I-22199), Chiang Mai Prov., Omkoi Dist., Omkoi Subdist., Omkoi N. P., 28.IX.2020, W. Jaitrong & T. Jeenthong leg. **CENTRAL:** 1♂ (THNHM-I-24207), Saraburi Prov., Kaeng Koi Dist., Cha-om Subdist., Banpa Nature School, 6.III.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24596), same locality, 4.IV.2021, T. Anuttaragulwanit leg.

**Distribution.** Chiang Mai and Saraburi Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Kliangklae *et al.* (2015); Ponpinij (2017); Thailand Nature Project (2021).

***Nephele hespera* (Fabricius, 1775) (Fabricius, 1775)**

*Gurelca hespera* Fabricius, 1775: 107. Type locality: "India orientali".

**Material examined.** **WESTERN:** 1♂ (THNHM-I-26104) and 4♀ (THNHM-I-26105 to THNHM-I-26108), Kanchanaburi Prov., Sai Yok Dist., Ban Phu Toei, 22.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-26109) and 1♀ (THNHM-I-26110), same locality and collector, 23.VI.1971; 1♀ (THNHM-I-26111), same locality, 15.VI.1971, P. Lohavanijaya leg., **CENTRAL:** 1♂ (THNHM-I-26102) and 1♀ (THNHM-I-26103), Nong Khae [=Nong Kae] (Saraburi Prov.), 24-25.VI.1966, P. Reeves leg., PR-6-b-33., **EASTERN:** 1♀ (THNHM-I-24998), Chon Buri Prov., Sattahip Dist., Koh Chuang, 20.IV.2016, T. Jeenthong leg.



**Distribution.** Kanchanaburi, Saraburi, and Chon Buri Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Pergesa acteus* (Cramer, 1779) (Figure 22A–B)**

*Sphinx acteus* Cramer, 1779: 93. Type locality: Indonesia, Java.

**Material examined.** **NORTHERN:** 1♂ (THNHM-I-22545), Lampang Prov, Hang Chad, Tong Kiean Forest Plantation, 26.VI.2013, T. Jeenthong leg. **WESTERN:** 1♀ (THNHM-I-22541), Kanchanaburi Prov., Thong Pha Phum Dist., Sahakorn Nikhon Subdist., 13.VII.2018, W. Jaitrong leg.; 2♀ (THNHM-I-22542 and THNHM-I-22543), same locality and collector, 14.VII.2008; 17♂ (THNHM-I-26046, THNHM-I-26048, THNHM-I-26052, THNHM-I-26053, THNHM-I-26056, THNHM-I-26060, THNHM-I-26061, THNHM-I-26063, THNHM-I-26066 to THNHM-I-26069, THNHM-I-26072 to THNHM-I-26074, THNHM-I-26077, THNHM-I-26078) and 5♀ (THNHM-I-26054, THNHM-I-26057, THNHM-I-26058, THNHM-I-26065, THNHM-I-26070), Kanchanaburi Prov., Sai Yok Dist., Ban Pu Toei, 23.VI.1971, S. Pongsa leg.; 5♂ (THNHM-I-26047, THNHM-I-26050, THNHM-I-26076, THNHM-I-26079, THNHM-I-26080), same locality and collector, 22.VI.1971.; 1♂ (THNHM-I-26049), same locality and collector, 19.VI.1971.; 4♂ (THNHM-I-26051, THNHM-I-26055, THNHM-I-26064, THNHM-I-26075), same locality, 15.VI.1971, P. Lohavanijaya leg. **NORTHEASTERN:** 1♀ (THNHM-I-25025) and 1♂ (THNHM-I-26059), Nakhon Ratchasima [= Khorat] Prov., Khao Yai, 1-4.V.1973, L. Pakarnsersee leg. **CENTRAL:** 1♂ (THNHM-I-22693), Pathum Thani Prov., Khlong Luang Dist., Khlong Ha Subdist., National Science Museum, 28.XII.2018, T. Jeenthong leg.; 1♀ (THNHM-I-25051), same locality, 12.XI.2020, S. Theangbangluang leg.; 3♂ (THNHM-I-24730, THNHM-I-24731, THNHM-I-24733) and 5♀ (THNHM-I-24732, THNHM-I-24734, THNHM-I-24735 to THNHM-I-24737), Saraburi Prov., Kaeng Koi Dist., Cha-om Subdist., Banpa Nature School, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24597), same locality, 3.IV.2021, T. Anuttaragulwanit leg., 1♀ (THNHM-I-24598), same locality and date, M. Chuenwatanakul leg.; 1♀ (THNHM-I-22544), same locality, 23.VI.2020, T. Jeenthong leg.; 1♂ (THNHM-I-22692), same locality, 12.IX.2020, P. Rattanaui leg.; 1♂ (THNHM-I-22694), same locality, 28.VIII.2020, T. Jeenthong leg.; 3♂ (THNHM-I-25174, THNHM-I-25175 and THNHM-I-25179) and 3♀ (THNHM-I-25176 to THNHM-I-25178), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22186), same locality, 17.X.2020, M. Peerathat leg.; 1♂ (THNHM-I-25073), same locality, 15.XI.2020, T. Harnsilawat leg.; 1♂ (THNHM-I-24681), same locality, 27.III.2021, W. Jaitrong & T. Jeenthong leg. **SOUTHERN:** 1♂ (THNHM-I-25008), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N. P., Klong Yod Nam, 30.X.2008, T. Jeenthong leg.

**Distribution.** Lampang, Kanchanaburi, Nakhon Ratchasima, Pathum Thani, Saraburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Rhagastis acuta* (Walker, 1856) (Figure 22C–D)**

*Metopsilus acuta* Walker, 1856: 195. Type locality: Hindostan [India].

**Material examined.** **NORTHEASTERN:** 1♂ (THNHM-I-24660), Nakhon Ratchasima Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station., 22.III.2021, W. Jaitrong & T.

Jeenthong leg. **CENTRAL:** 1♂ (THNHM-I-24756), Saraburi Prov., Kaeng Koi Dist., Cha-om Sub-dist., Banpa Nature School, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-25157), same locality and collector, 12.VI.2021.; 1♀ (THNHM-I-26188), same locality, 10.VII.2021. T. Jeenthong leg. **SOUTHERN:** 1♂ (THNHM-I-22546), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Nan N.P., Papra Station, 240 m a.s.l., Light trap, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 1♂ (THNHM-I-22547), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Yod Nam Waterfall, 8°54'32.6"N, 99°43'55.3"E, 26.VI.2008, W. Jaitrong leg.; 1♂ (THNHM-I-25007), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Huai Kaeo Waterfall, 30.X.2008, T. Jeenthong leg.

**Distribution.** Nakhon Ratchasima, Saraburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010).

***Rhagastis albomarginatus* (Rothschild, 1894) (Figure 22E–F)**

*Metopsilus albomarginatus* Rothschild, 1894: 78. Type locality: India, Assam [Meghalaya], Khasia Hills.

**Material examined. WESTERN:** 2♂ (THNHM-I-22550 and THNHM-I-22551), Tak Prov., Um Phang Dist., Thung Yai Naresuan east W.S., 24.IX.2016. T. Jeenthong leg.

**Distribution.** Tak Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Rhagastis confusa* Rothschild and Jordan, 1903 (Figure 22G–H)**

*Rhagastis confusa* Rothschild and Jordan, 1903. Type locality: India.

**Material Examined. NORTHERN:** 1♂ (THNHM-I-22549), Chiang Mai Prov., Mae Tang, Ban kued Chang, Huai Nam Dang N.P., 19°19'0.41"N, 98°35'5.28"E, Elevation 1,722 m a.s.l., 6.XI.2007, T. Jeenthong leg.; 1♂ (THNHM-I-26123), Chiang Mai Prov., Mae Tang Dist., Monungkate, 18.IV.1975, V. Sukapan leg. **NORTHEASTERN:** 1♂ (THNHM-I-22548), Loei Prov., Phu Luang Dist., Phu Luang W.S., Phu Luang Wildlife Research Station, 17°20' 34.1"N, 101°30'31.0"E, Elevation 915 m a.s.l., 25.IX.2009, T. Jeenthong leg.

**Distribution.** Chiang Mai and Loei Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Rhagastis olivacea* (Moore, 1872) (Figure 23A–B)**

*Pergesa olivacea* Moore, F. 1872: 567. Type locality: Simla, NW. Himalayas, 7000ft

**Material examined. NORTHERN:** 1♂ (THNHM-I-25017), Chiang Mai Prov., Mae Tang Dist., Monungkate, 19.IV.1975, V. Sukapan leg.

**Distribution.** Chiang Mai Province.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Theretra alecto* (Linnaeus, 1758) (Figure 23C–D)**

*Sphinx alecto* Linnaeus, 1758: 492. Type locality: India.

**Material Examined. NORTHERN:** 1♂ (THNHM-I-26179), Chiang Mai Prov., Mae Tang Dist., 18.IV.1975, V. Sakavan leg. **NORTHEASTERN:** 1♂ (THNHM-I-22786), Nakhon Ratchasima [= Khorat] Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station., 22.III.2021, W. Jaitrong & T. Jeenthong leg., **EASTERN:** 1♂ (THNHM-I-22634), Trat Prov., Mueang Dist.,

Trat Argo Forestry Research Station, 25.III.2010, T. Jeenthong leg.

**Distribution.** Chiang Mai, Nakhon Ratchasima, and Trat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

***Theretra boisduvalii* (Bugnion, 1839) (Figure 23E–F)**

*Sphinx boisduvalii* Bugnion, 1839: 115. Type locality: Ile de Candie.

**Material Examined.** **NORTHERN:** 1♂ (THNHM-I-22606), Chiang Mai Prov., Fang Dist., Ang Khang Forest, 9.III.2002, W. Jaitrong leg., **NORTHEASTERN:** 1♂ (THNHM-I-22604), Loei Prov., Phu Luang Dist., Phu Luang W.S., Khoknokkaba, 17°16' 52.3»N, 101°31'23.5»E, 1,485 m a.s.l., 26.IX.2009, T. Jeenthong leg.; 1♀ (THNHM-I-26131), Nakhon Ratchasima [= Khorat] Prov., Wang Nam Khiao Dist., Sakaerat Environmental Research Station., 10.X.1967, S. Pongsa leg. SP-II-ii-1.; 1♀ (THNHM-I-26132), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 1-4.V.1973, L. Pakarnseree leg., **CENTRAL:** 2♂ (THNHM-I-24757 and THNHM-I-24758), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, light trap, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-25180) and 1♀ (THNHM-I-25181), same locality and collector, 12.VI.2021., **EASTERN:** 1♂ (THNHM-I-22552), Chachoengsao Prov., Tha Ta Kiap Dist., Ban Nong Kok, Khao Ang Rue Nai W.S., Lumchangwat Station, 27.X.2006, T. Jeenthong leg.; 2♂ (THNHM-I-22575 and THNHM-I-22602), Chanthaburi Prov., Pong Nam Ron Dist., Khlong Thap Mark, 12°54'31.3»N, 102°13'06.9»E, 18.V.2008, T. Jeenthong leg.; 1♂ (THNHM-I-22589), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, 18.IV.2009, 11°37'26.4»N, 102°32'48.6»E, T. Jeenthong leg., **SOUTHEN:** 1♂ (THNHM-I-25977), Trang Prov., Palian Dist., Ton Tae Waterfall., light trap, 20.XI.2020, W. Jaitrong, T. Jeenthong & P. Teakul leg.; 1♂ (THNHM-I-26134), same locality, 14.VIII.2020, T. Jeenthong leg.; 1♂ (THNHM-I-26133), same locality, 24.XII.2020, T. Jeenthong & P. Teakul leg.; 2♂ (THNHM-I-25009 and THNHM-I-25010), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Khlong Yod Nam, 30.X.2008, T. Jeenthong leg.; 1♀ (THNHM-I-22553), Nakhon Si Thammarat Prov., Tha Sala Dist., Sunandha Waterfall, 31.X.2005. T. Jeenthong leg.; 1♂ (THNHM-I-22554), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Head Quarter, 47 m a.s.l., Light trap, 22.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 3♂ (THNHM-I-22555 to THNHM-I-22557), same locality and collector, 23.XI.2006.; 1♂ (THNHM-I-22558), Nakhon Si Thammarat Prov., Khao Nan N.P., Papra Station, 240 m a.s.l., Light trap, 26.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.; 2♂ (THNHM-I-22559 and THNHM-I-22560) Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Huai Lak, 27.I.2007, T. Jeenthong leg.; 3♂ (THNHM-I-22561 to THNHM-I-22563), Nakhon Si Thammarat Prov., Nopphitam Dist., Khao Nan N.P., Lam Nam Khlong Gay, 10.XII.2007, T. Jeenthong leg.; 9♂ (THNHM-I-22564 to THNHM-I-22572), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., Yod Nam Waterfall, 1.II.2008, T. Jeenthong leg.; 2♂ (THNHM-I-22573 and THNHM-I-22574), same locality and collector, 8°54'32.6»N, 99°43'55.3»E, 17.IV.2008.; 4♂ (THNHM-I-22576 to THNHM-I-22579), same locality, 17.IV.2008, W. Jaitrong leg.; 2♂ (THNHM-I-22580 and THNHM-I-22581), same locality, 26.VI.2008, W. Jaitrong leg.; 3♂ (THNHM-I-22594 to THNHM-I-22596), same locality and collector, 30.X.2008.; 1♂ (THNHM-I-22584), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan National Park., Huai Kiaw Waterfall, 26.VIII.2008, 8°55'09.2»N, 99°40'34.8»E, T. Jeenthong leg.; 2♂ (THNHM-I-22585 and THNHM-I-22586), same locality and collector, 1.XI.2008.

**Distribution.** Chiang Mai, Loei, Nakhon Ratchasima, Saraburi, Chachoengsao, Chanthaburi, Trat,

Trang, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017).

***Theretra clotho* (Drury, 1773) (Figure 23G–H)**

*Sphinx clotho* Drury, 1773: 48. Type locality: India.

**Material Examined.** **NORTHERN:** 2♂ (THNHM-I-22608 and THNHM-I-22609) and 1♀ (THNHM-I-22607), Chiang Mai Prov., Fang Dist., Ang Khang Forest, 9.III.2002, W. Jaitrong leg.; 1♂ (THNHM-I-22593) and 1♀ (THNHM-I-22592), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation., 20.VI.2012., T. Jeenthong leg., **WESTERN:** 1♀ (THNHM-I-26155), Kanchanaburi Prov., Sai Yok Dist., Kwae-Noi, Ban Phu Toei, 15.VI.1971, P. Lohavanijaya leg.; 2♀ (THNHM-I-26156 and THNHM-I-26157), same locality, 19.VI.1971, S. Pongsa leg.; 2♂ (THNHM-I-26158 and THNHM-I-26159) and 3♀ (THNHM-I-26160 to THNHM-I-26162), same locality, 22.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-26163) and 1♀ (THNHM-I-26164), same locality, 23.VI.1971, S. Pongsa leg.; 2♀ (THNHM-I-26145 and THNHM-I-26146), Kanchanaburi Prov., Sai Yok Dist., Kwae-Noi, Ban Phu Toei, 15.VI.1971, P. Lohavanijaya leg.; 1♂ (THNHM-I-26147), same locality and collector, 17.VI.1971.; 1♀ (THNHM-I-26148), same locality, 19.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-26149) and 1♀ (THNHM-I-26150), same locality, 22.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-26151) and 2♀ (THNHM-I-26152 and THNHM-I-26153), same locality, 23.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-26154), same locality and collector, 23.VI.1971., **NORTHEASTERN:** 5♂ (THNHM-I-22792 to THNHM-I-22796), Nakhon Ratchasima Prov., Wang Num Khiao Dist., Sakaerat Environmental Research Station., 11.III.2021, W. Jaitrong & T. Jeenthong leg.; 4♂ (THNHM-I-22797 to THNHM-I-22800), same locality and collector, 22.III.2021.; 1♀ (THNHM-I-26135), Nakhon Ratchasima [=Khorat], Wang Nam Khiao [=Pak Thong Chai] Dist., Sakaerat Environmental Research Station [=Sakaerat], 21.VI.1967, L. Klinnaksakdi leg.; 1♀ (THNHM-I-26166), same locality and date, S. Sittilert leg.; 1♂ (THNHM-I-26136), same locality and collector, 22.VI.1967.; 1♂ (THNHM-I-26137), same locality, 11.X.1967., S. Sittilert leg.; 1♀ (THNHM-I-26138), same locality and collector, 13.IX.1967, SS-5-1-C5; 1♂ (THNHM-I-26167), same locality, 1.XI.1967., S. Pongsa leg.; 1♂ (THNHM-I-26139) and 1♀ (THNHM-I-26140), Nakhon Ratchasima [=Khorat] Prov., Khao Yai N.P., 25.V.1967, S. Pongsapitapana leg.; 2♂ (THNHM-I-26141 and THNHM-I-26142), same locality and date, S. Sitthilert leg.; 2♂ (THNHM-I-26143 and THNHM-I-26144), same locality and date, N. Kobayashi leg.; 3♂ (THNHM-I-26168 to THNHM-I-26170) and 8♀ (THNHM-I-26171 to THNHM-I-26178), same locality, 1–4.V.1973, L. Pakarnseree leg.; 1♂ (THNHM-I-22603), Loei Prov., Phu Luang Dist., Phu Luang W.S., Khoknokka, 17°16' 52.3»N, 101°31'23.5»E, 1,485 m a.s.l., 26.IX.2009, T. Jeenthong leg.; 1♀ (THNHM-I-24996), Ubon Ratchathani Prov., Muang Dist., Ubon Ratchathani Zoo, light trap, 26.VI.2016, T. Jeenthong leg., **CENTRAL:** 1♂ (THNHM-I-22645), Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai Forest Plantation, 29.VI.2013., T. Jeenthong leg.; 1♂ (THNHM-I-22605), Kamphaeng Phet Prov., Lan Krabue Dist., 7.III.2014, W. Jaitrong leg.; 2♂ (THNHM-I-25055 and THNHM-I-25056), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 29.V.2020, T. Jeenthong leg.; 4♂ (THNHM-I-22597 to THNHM-I-22600) and 1♀ (THNHM-I-22601), same locality and collector, 23.VI.2020.; 1♂ (THNHM-I-22696), same locality and collector, 8.VIII.2020.; 1♂ (THNHM-I-22695), same locality, 12.IX.2020, T. Harnsilawat leg.; 1♂ (THNHM-I-25069), same locality, 15.XI.2020, P. Visavayothanun leg.; 2♂ (THNHM-I-24182 and THNHM-I-24183),

same locality, 12.XII.2020, K. Laohavisit leg.; 1♂ (THNHM-I-25069), same locality and date, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24202) and 1♀ (THNHM-I-24199), same locality, 6.III.2021, W. Jaitrong & T. Jeenthong leg.; 11♂ (THNHM-I-24759 to THNHM-I-24769) and 6♀ (THNHM-I-24770 to THNHM-I-24772 and THNHM-I-25192 to THNHM-I-25194), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 10♂ (THNHM-I-25182 to THNHM-I-25191), same locality, 12.VI.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-26165) Nakhon Nayok Prov, Mueang Dist., Sarika Waterfall, 10.VIII.1967, N. Kobayashi leg., **EASTERN:** 1♂ (THNHM-I-22587), Sa Kaeo Prov. Ta Phraya Dist., Khao Ai Dang, 30.VII.2008. T. Jeenthong leg.; 1♂ (THNHM-I-22588), Trat Prov., Mueang Dist., Trat Argo Forestry Research Station, 21.II.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22591), Trat Prov., Khlong Yai Dist., Yada Resort, 11°47'22.4" N, 102°52'23.5" E, 2 m a.s.l., 17.IX.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22590), Trat Prov., Ko Kut [=Ko Kud] Dist., Ban Khlong Chao, 11°37'26.4"N, 102°32'48.6"E, 19.IV.2009, T. Jeenthong leg., **SOUTHERN:** 1♂ (THNHM-I-22582), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N. P., Yod Nam Waterfall, 8°54'32.6"N, 99°43'56.3"E, 26.VI.2008, W. Jaitrong leg.; 1♂ (THNHM-I-22583), same province and National Park., Huai Kiaw Waterfall, 8°55'09.2.2»N, 99°40'34.8»E, 26.VIII.2008, T. Jeenthong leg.

**Distribution.** Chiang Mai, Phrae, Kanchanaburi, Nakhon Ratchasima, Loei, Ubon Ratchathani, Sukhothai, Kamphaeng Phet, Saraburi, Sa Kaeo, Trat, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### ***Theretra lucasii* (Walker, 1856) (Figure 24A–B)**

*Chaerocampa* [sic] *lucasi* Walker, 1856: 141. Type locality: India.

**Material Examined.** **NORTHEASTERN:** 1♂ (THNHM-I-26129), Nakhon Ratchasima [=Khorat] Prov., Wang Nam Khiao [=Pak Thon Chai] Dist., 3.XI.1966, A.A.K., Unknow collector.; 1♂ (THNHM-I-22697), Udon Thani Prov., Kut Chap [=Kud Jab] Dist., Kut Chap [=Kud Jab] Subdist., Phu Pha Ya N.P., 14.IX.2019. T. Jeenthong leg., **CENTRAL:** 2♂ (THNHM-I-24200 and THNHM-I-24201), Saraburi Prov., Kaeng Khoi Dist., Cha-om Subdist., Banpa Nature School, 6.III.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24773), same locality and collector, 15.V.2021.; 1♂ (THNHM-I-25093), same locality and collector, 13.II.2021.; 1♂ (THNHM-I-24683), Pathum Thani Prov., Khlong Luang Dist., Khlong Ha Subdist., National Science Museum, 2.IV.2021. T. Jeenthong leg.; 1♂ (THNHM-I-25053), same locality, 7.IV.2021. J. Phosombat leg., **EASTERN:** 2♂ (THNHM-I-22642 and THNHM-I-22643), Chachoengsao Prov., Tha Ta Kiap Dist., Ban Nong Kok, Khao Ang Rue Nai W.S., Lumchangwat Station, 27.X.2006, T. Jeenthong leg., **SOUTHERN:** 1♂ (THNHM-I-22644), Nakhon Si Thammarat Prov., Tha Sala Dist., Khao Nan N.P., Head Quarter, 47 m a.s.l., light trap, 22.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.

**Distribution.** Nakhon Ratchasima, Udon Thani, Saraburi, Pathum Thani, Chachoengsao, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Ponpinij (2017, cited as a subspecies of *Theretra latreillii*).

### ***Theretra lycetus* (Cramer, 1775) (Figure 24C–D)**

*Sphinx lycetus* Cramer, 1775: 96, pl. 61, fig. D. Type locality: India, Bengal.



**Material Examined.** *NORTHERN*: 1♂ (THNHM-I-22654), Lampang Prov., Hang Chat Dist., Thung Kwian Forest Plantation, 26.VI.2013, T. Jeenthong leg., *WESTERN*: 1♂ (THNHM-I-26180) and 1♀ (THNHM-I-26130), Kanchanaburi Prov., Sai Yok Dist., Ban Phu Toei, 23.VI.1971, S. Pongsa leg.; 1♂ (THNHM-I-26183), same locality, 15.VI.1971, P. Lohavanijaya leg.; 1♂ (THNHM-I-26181), Kanchanaburi Prov., Sai Yok Dist., Kwae-noi, Ban Pu Toei, 22.VI.1971, same collector., *NORTHEASTERN*: 1♂ (THNHM-I-26182), Nakhon Ratchasima Prov., Sakaerat Environmental Research Station, 5.VI.1968, Lak leg.; *CENTRAL*: 1♂ (THNHM-I-24205), Saraburi Prov., Kaeng Khoi Dist., Banpa Nature School, 6.III.2021, W. Jaitrong & T. Jeenthong leg., *Laos*: 1♀ (THNHM-I-26045), unknown locality and collector, A.S.P.C.T., 2-7.IV.1974.

**Distribution.** Lampang, Kanchanaburi, Nakhon Ratchasima, Saraburi Provinces, and Laos (Unknown province).

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

### *Theretra nessus* (Drury, 1773) (Figure 24E–F)

*Sphinx nessus* Drury, 1773: 46. Type locality: India, Tamil Nadu, Madras [Chennai].

**Material Examined.** *NORTHERN*: 4♂ (THNHM-I-22616, THNHM-I-22617, THNHM-I-22620 and THNHM-I-22623) and 4♀ (THNHM-I-22619, THNHM-I-22621, THNHM-I-22618 and THNHM-I-22622), Chiang Mai Prov., Mae Tang Dist., Ban Kued Chang, 19°19'0.41"N, 98°35'3.28"E, 6.XI.2007, T. Jeenthong leg.; 5♂ (THNHM-I-22610 to THNHM-I-22614) and 1♀ (THNHM-I-22615), Chiang Mai Prov., Fang Dist., Doi Ang Khang Royal Project, 9.III.2002, W. Jaitrong leg.; 1♀ (THNHM-I-22628), Nan Prov., Pua Dist., Doi Phuoka N.P., 29.V.2004, T. Jeenthong leg.; 1♂ (THNHM-I-22631), Lampang Prov., Hang Chat Dist., Thung Kwan Forest Plantation, 26.VI.2003, T. Jeenthong leg.; 2♀ (THNHM-I-22626 and THNHM-I-22627), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2012, T. Jeenthong leg. *WESTERN*: 1♂ (THNHM-I-26100), Kanchanaburi Prov., Sai Yok Dist., Ban Phu Toei, 19.VI.1971, S. Pongsa leg.; 2♂ (THNHM-I-26095 and THNHM-I-26099), same locality, 15.VI.1971, P. Lohavanijaya leg.; 1♀ (THNHM-I-26096), same locality, 22.VI.1971, S. Pongsa leg.; 1♀ (THNHM-I-22624) and 1♂ (THNHM-I-22625), Kanchanaburi Prov., Thong Pha Phum Dist., Ban Sahakorn Nikhom, 14.VII.2018, W. Jaitrong leg. *NORTHEASTERN*: 1♂ (THNHM-I-22632), Loei Prov., Phu Luang Dist., Phu Luang W.S., Kok Nokkaba, 17°16'52.3"N, 101°31'23.5"E, 26.IX.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22633), same locality and collector, 27.IX.2009.; 2♂ (THNHM-I-26098 and THNHM-I-26094) and 1♀ (THNHM-I-26093), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 25.V.1967, N. Kobayashi leg.; 2♂ (THNHM-I-26101 and THNHM-I-26092) and 1♀ (THNHM-I-26097), Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai N.P., 1–4.V.1973, L. Pakarnseree leg. *CENTRAL*: 5♂ (THNHM-I-24774 to THNHM-I-24778), Saraburi Prov., Kaeng Khoi Dist., Banpa Nature School, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 6♂ (THNHM-I-25195 to THNHM-I-25200) and 1♀ (THNHM-I-25951), same locality and collector, 12.VI.2021.; 1♂ (THNHM-I-23966), same locality and collector, 16.I.2021.; 1♂ (THNHM-I-22787), same locality and collector, 22.III.2021.; 1♂ (THNHM-I-24176) and 1♀ (THNHM-I-24174), same locality and collector, 14.XII.2020.; 1♂ (THNHM-I-24175), same locality and collector, 12.XII.2020.; 1♂ (THNHM-I-24173), same locality, 12.XII.2020, D. Pumalee leg.; 1♀ (THNHM-I-22629), same locality, 23.VI.2020, T. Jeenthong leg.; 3♀ (THNHM-I-22161 to THNHM-I-22163), same locality, 17.X.2020, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22180), same locality and date, S. Ramakrishnasetty leg.; 1♂ (THNHM-I-22160), same locality and date, P. Visavayothanun leg.;

1♂ (THNHM-I-25067), same locality, 15.XI.2020, P. Puangsombat leg.; 1♂ (THNHM-I-25068), same locality, 15.XI.2020, S. Thongpakarn leg., **SOUTHERN:** 1♂ (THNHM-I-22630), Nakhon Si Thammarat Prov., Khao Nan N.P., Head Quarter, 47 m a.s.l., 22.XI.2006, J. Nabhithabhata [= Jin] *et al.* leg.

**Distribution.** Chiang Mai, Nan, Lampang, Phrae, Kanchanaburi, Nakhon Ratchasima, Saraburi, and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### ***Theretra oldenlandiae* (Fabricius, 1775) (Figure 24G–H)**

*Sphinx oldenlandiae* Fabricius, 1775: 542. Type locality: “Indiae Oldenlandiis”.

**Material Examined.** **WESTERN:** 1♀ (THNHM-I-26040), Kanchanaburi Prov., Sai Yok Dist., Ban Pu Toei, 22.VI.1971, P. Pongsa leg. **NORTHEASTERN:** 1♀ (THNHM-I-22653), Loei Prov., Phu Luang Dist., Phu Luang W.S., Khoknokkaba, 17°16′ 52.3″N, 101°31′ 23.5″E, 1,485 m a.s.l., 26.IX.2009, T. Jeenthong leg., **CENTRAL:** 2♂ (THNHM-I-25171 and THNHM-I-25173) and 1♀ (THNHM-I-25172), Saraburi Prov., Kaeng Khoi Dist., Banpa Nature School, 12.VI.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-22187), same locality, 17.X.2020, T. Uyyanonvara leg., 1♂ (THNHM-I-23863), same locality, 12.XII.2020, T. Jeenthong leg.; 1♀ (THNHM-I-22655), same locality and collector, 23.VI.2020.; 2♂ (THNHM-I-22698 and THNHM-I-22699), same locality and collector, 8.VII.2020.; 1♂ (THNHM-I-22700), same locality and collector, 12.IX.2020.

**Distribution.** Kanchanaburi, Loei, and Saraburi Provinces.

**References.** Inoue *et al.* (1997); Seizi (1999); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### ***Theretra pallicosta* (Walker, 1856) (Figure 25A–B)**

*Choerocampa pallicosta* Walker, 1856: 145. Type locality: Bangladesh, Silhet [Sylhet].

**Material Examined.** **NORTHERN:** 1♂ (THNHM-I-22657), Phrae Prov., Wang Chin Dist., Wang Chin Forest Plantation, 20.VI.2012, T. Jeenthong leg. **WESTERN:** 1♂ (THNHM-I-22656), Kanchanaburi Prov., Thong Pha Phum Dist., 19.XII.2003, W. Jaitrong leg. **NORTHEASTERN:** 1♂ (THNHM-I-26115), Nakhon Ratchasima [= Khorat] Prov., Wang Nam Khiao [=Pakthongchai] Dist., Sakaerat Environmental Research Station, 22.VI.1967, S. Sittilert leg. **SOUTHERN:** 1♂ (THNHM-I-26114), Ranong Prov., Ban Bang Non, 17.V.1967, K. Tonglongya leg.

**Distribution.** Phrae, Kanchanaburi, Nakhon Ratchasima, and Ranong Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

### ***Theretra shendurneensis* Sondhi, Kitching, Basu and Kunte, 2017 (Figure 25C–D)**

*Theretra shendurneensis* Sondhi, Kitching, Basu and Kunte, 2017: 187. Type locality: India, Kerala, Kollam District, Shendurney Wildlife Sanctuary, Pandimotta forest camp, 8°49′39″N 77°13′1″E, 1171 m.

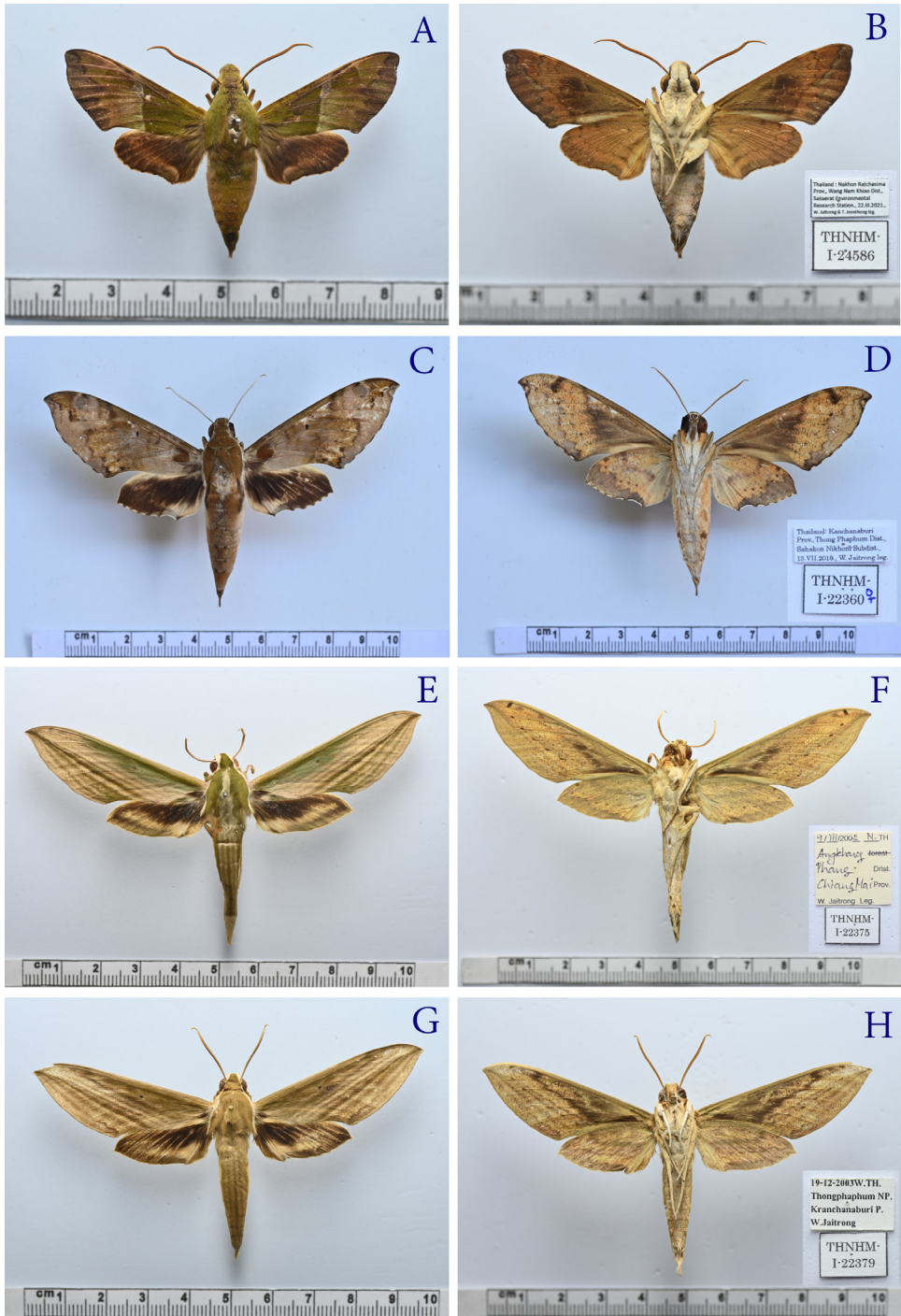
**Material Examined.** **INDONESIA:** 1♂ (THNHM-I-26091), Lake Lindu, Namru-2, 14.XI.1973, unknown collector.

**Distribution.** Not found in Thailand.

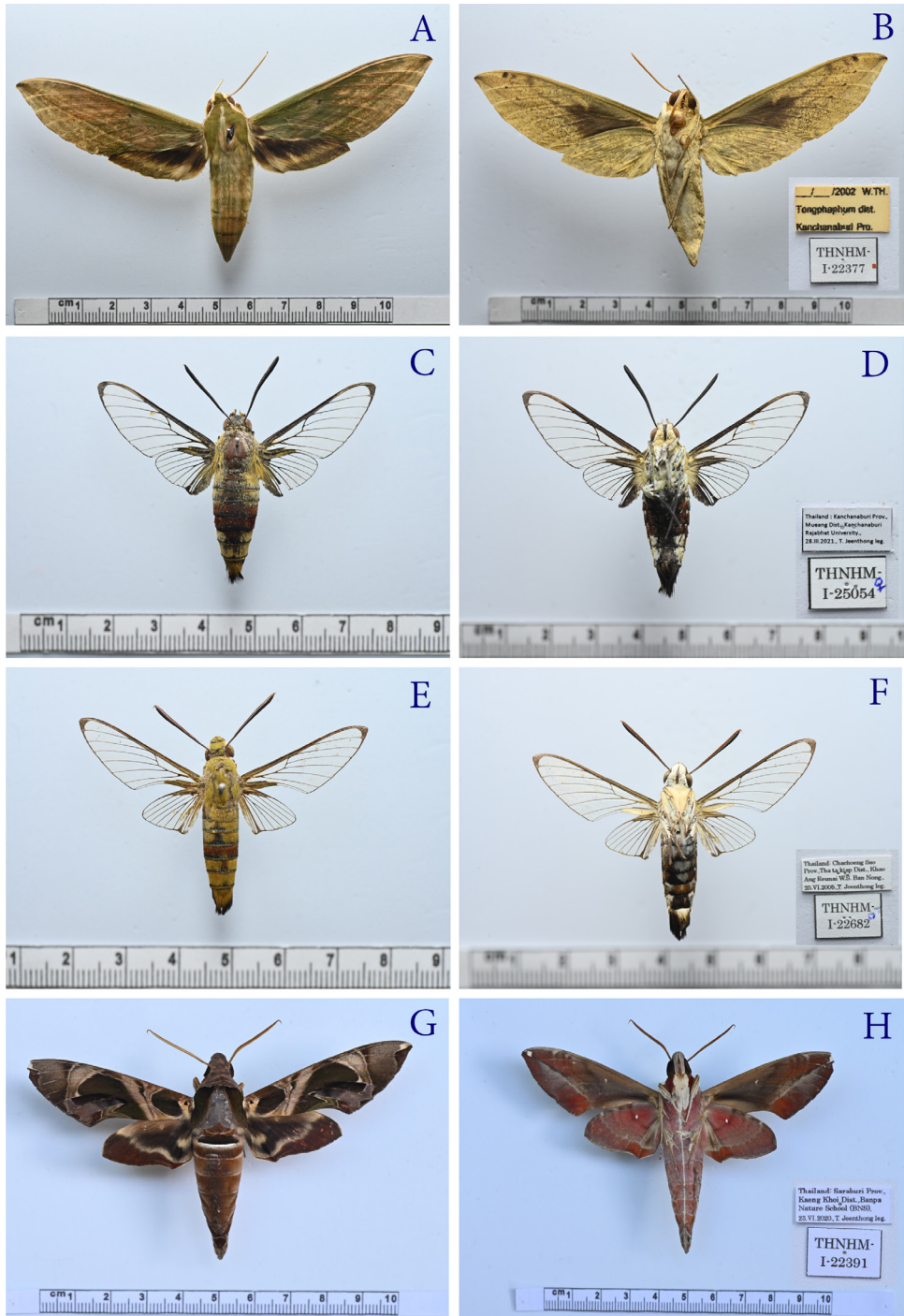


Figure 12. Specimens and labels of Sphingidae deposited in THNHM. A, *Acosmeryx naga*, dorsal view; B, *Acosmeryx naga*, ventral view and labels; C, *Acosmeryx omissa*, dorsal view; D, *Acosmeryx omissa*, ventral view and labels; E, *Acosmeryx sericeus*, dorsal view; F, *Acosmeryx sericeus*, ventral view and labels; G, *Acosmeryx shervillii*, dorsal view; H, *Acosmeryx shervillii*, ventral view and labels.



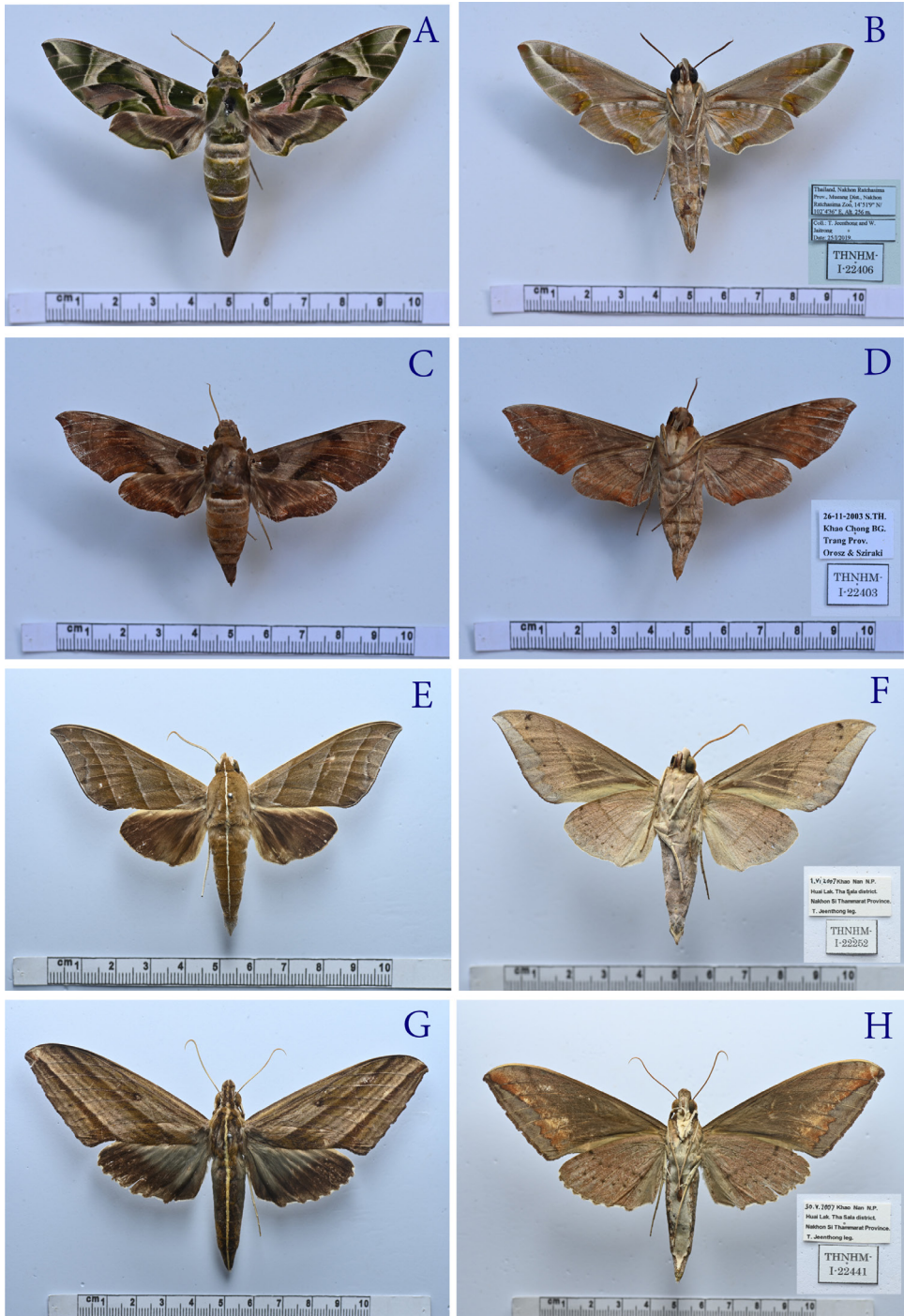


**Figure 13.** Specimens and labels of Sphingidae deposited in THNHM. A, *Angonyx testacea*, dorsal view; B, *Angonyx testacea*, ventral view and labels; C, *Cechenena helops*, dorsal view; D, *Cechenena helops*, ventral view and labels; E, *Cechetra lineosa*, dorsal view; F, *Cechetra lineosa*, ventral view and labels; G, *Cechetra minor*, dorsal view; H, *Cechetra minor*, ventral view and labels.

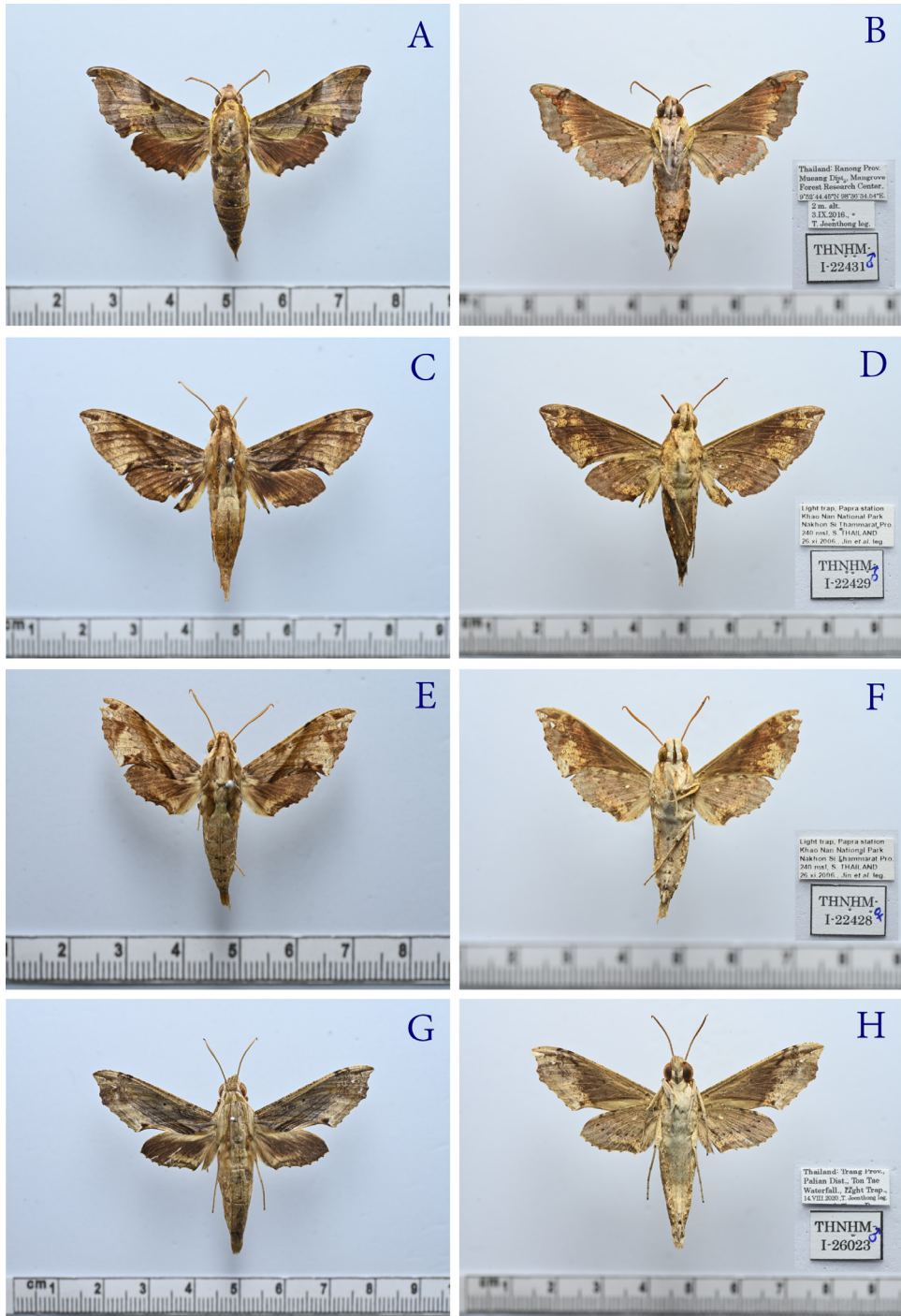


**Figure 14.** Specimens and labels of Sphingidae deposited in THNHM. A, *Cechetra subangustata*, dorsal view; B, *Cechetra subangustata*, ventral view and labels; C, *Cephonodes hylas*, dorsal view; D, *Cephonodes hylas*, ventral view and labels; E, *Cephonodes picus*, dorsal view; F, *Cephonodes picus*, ventral view and labels; G, *Daphnis hypothous*, dorsal view; H, *Daphnis hypothous*, ventral view and labels.

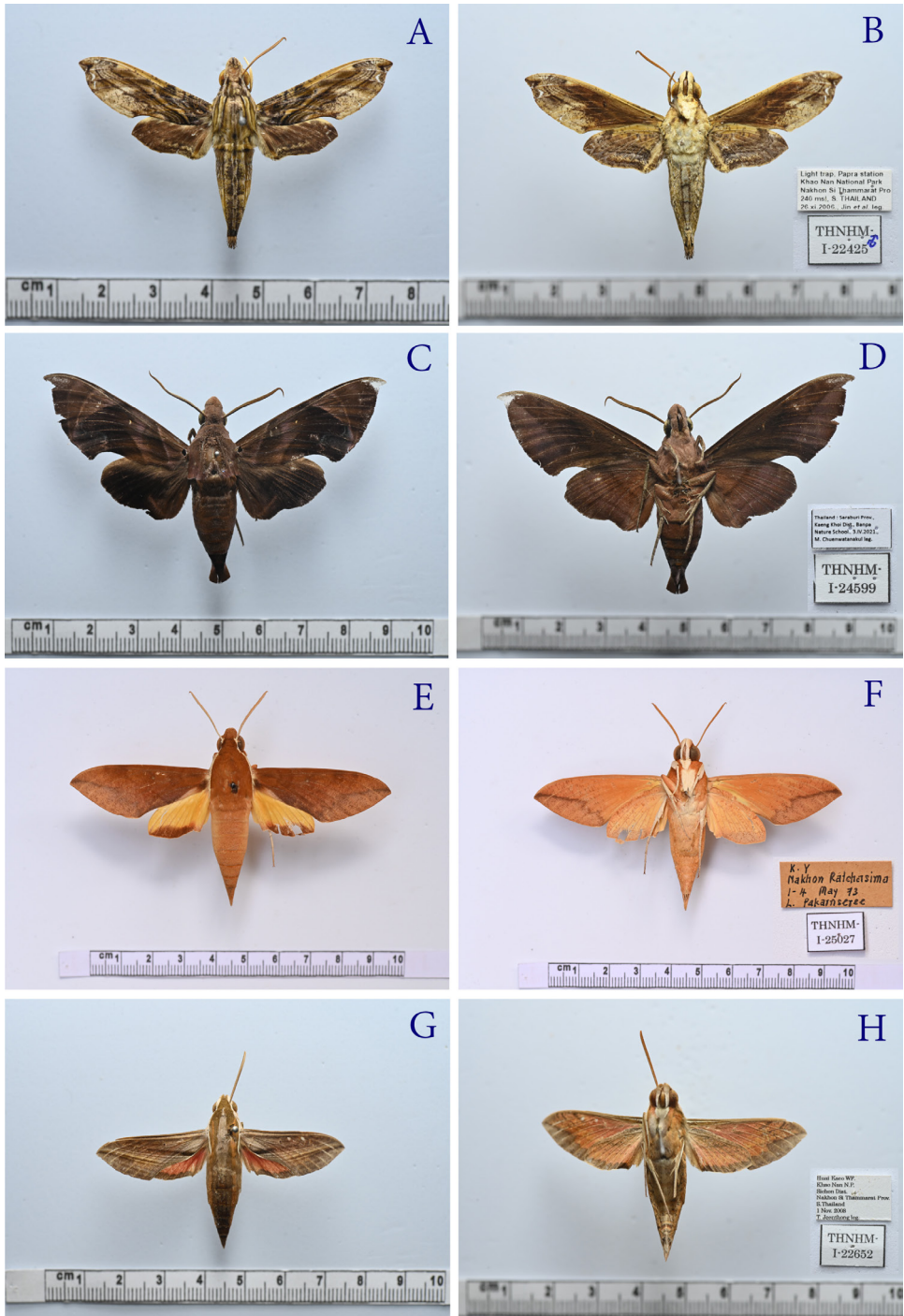




**Figure 15.** Specimens and labels of Sphingidae deposited in THNHM. A, *Daphnis nerii*, dorsal view; B, *Daphnis nerii*, ventral view and labels; C, *Daphnis placida*, dorsal view; D, *Daphnis placida*, ventral view and labels; E, *Elibia dolichooides*, dorsal view; F, *Elibia dolichooides*, ventral view and labels; G, *Elibia dolichus*, dorsal view; H, *Elibia dolichus*, ventral view and labels.

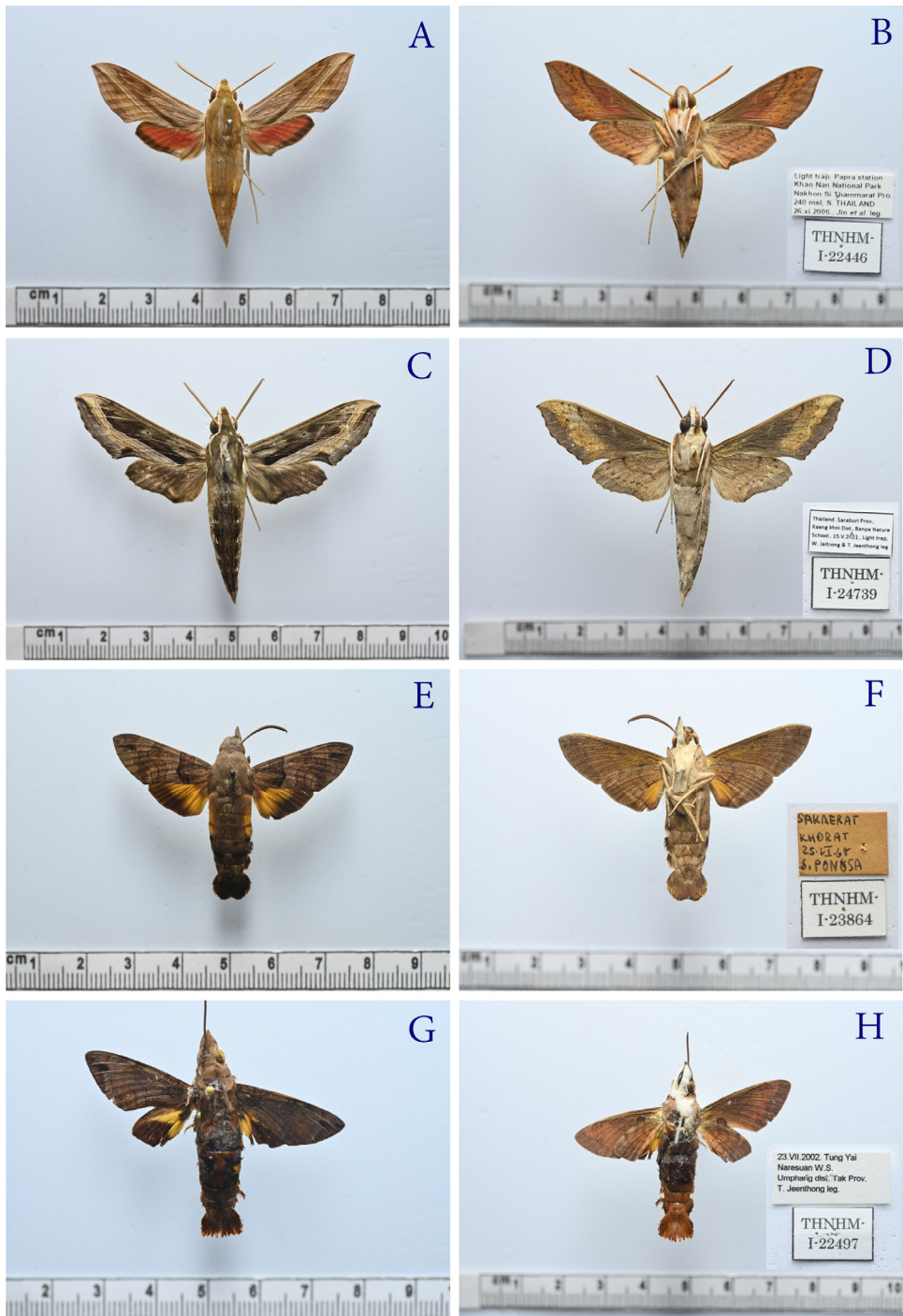


**Figure 16.** Specimens and labels of Sphingidae deposited in THNHM. A, *Enpinanga assamensis*, dorsal view; B, *Enpinanga assamensis*, ventral view and labels; C, *Eupanacra elegantulus*, dorsal view; D, *Eupanacra elegantulus*, ventral view and labels; E, *Eupanacra mydon*, dorsal view; F, *Eupanacra mydon*, ventral view and labels; G, *Eupanacra regularis*, dorsal view; H, *Eupanacra regularis*, ventral view and labels.

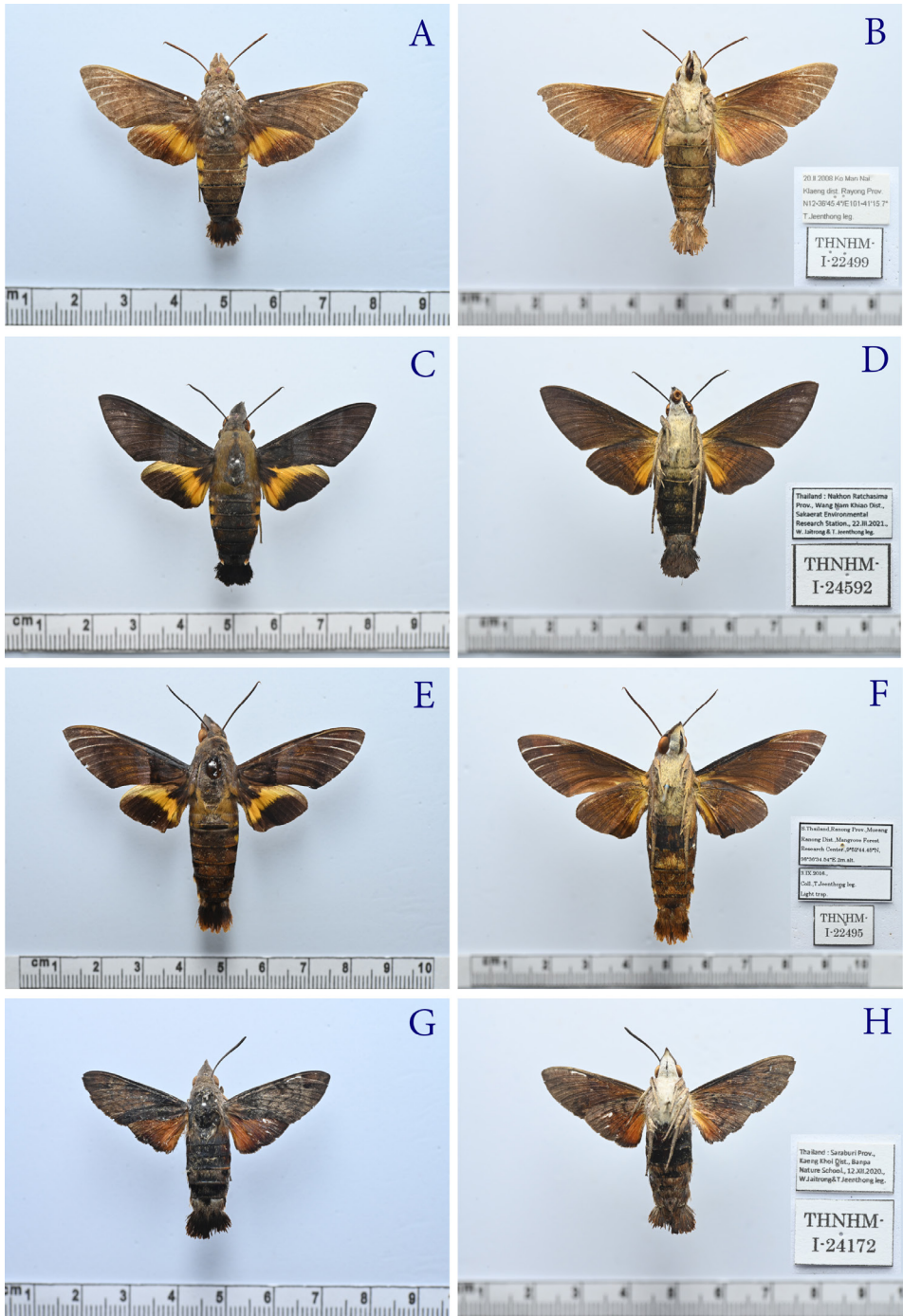


**Figure 17.** Specimens and labels of Sphingidae deposited in THNHM. A, *Eupanacra variolosa*, dorsal view; B, *Eupanacra variolosa*, ventral view and labels; C, *Eurypteryx bhaga*, dorsal view; D, *Eurypteryx bhaga*, ventral view and labels; E, *Gnathothlibus erotus*, dorsal view; F, *Gnathothlibus erotus*, ventral view and labels; G, *Hippotion rafflesii*, dorsal view; H, *Hippotion rafflesii*, ventral view and labels.



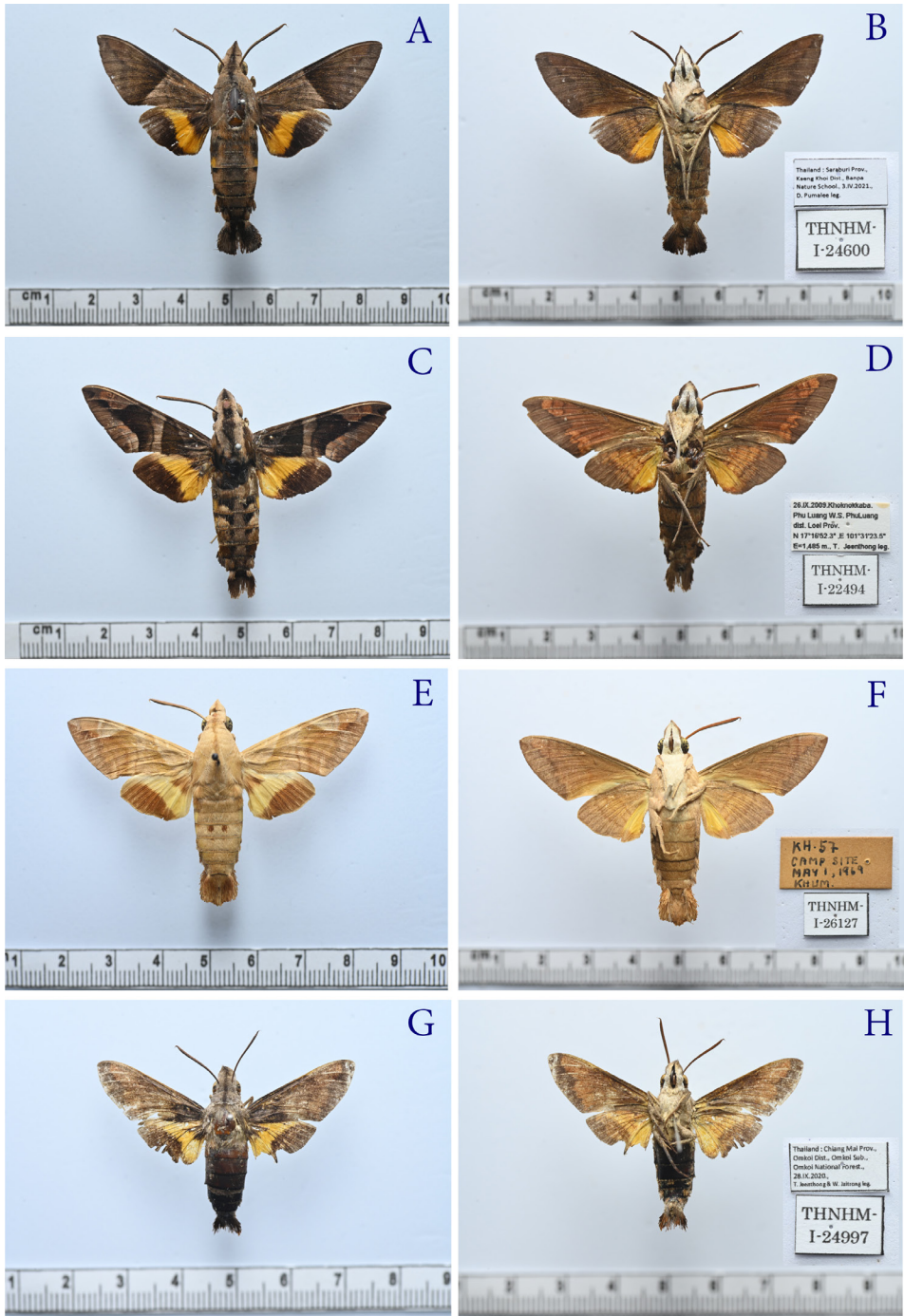


**Figure 18.** Specimens and labels of Sphingidae deposited in THNHM. A, *Hippotion rosetta*, dorsal view; B, *Hippotion rosetta*, ventral view and labels; C, *Hippotion velox*, dorsal view; D, *Hippotion velox*, ventral view and labels; E, *Macroglossum afflictitia*, dorsal view; F, *Macroglossum afflictitia*, ventral view and labels; G, *Macroglossum aquila*, dorsal view; H, *Macroglossum aquila*, ventral view and labels.

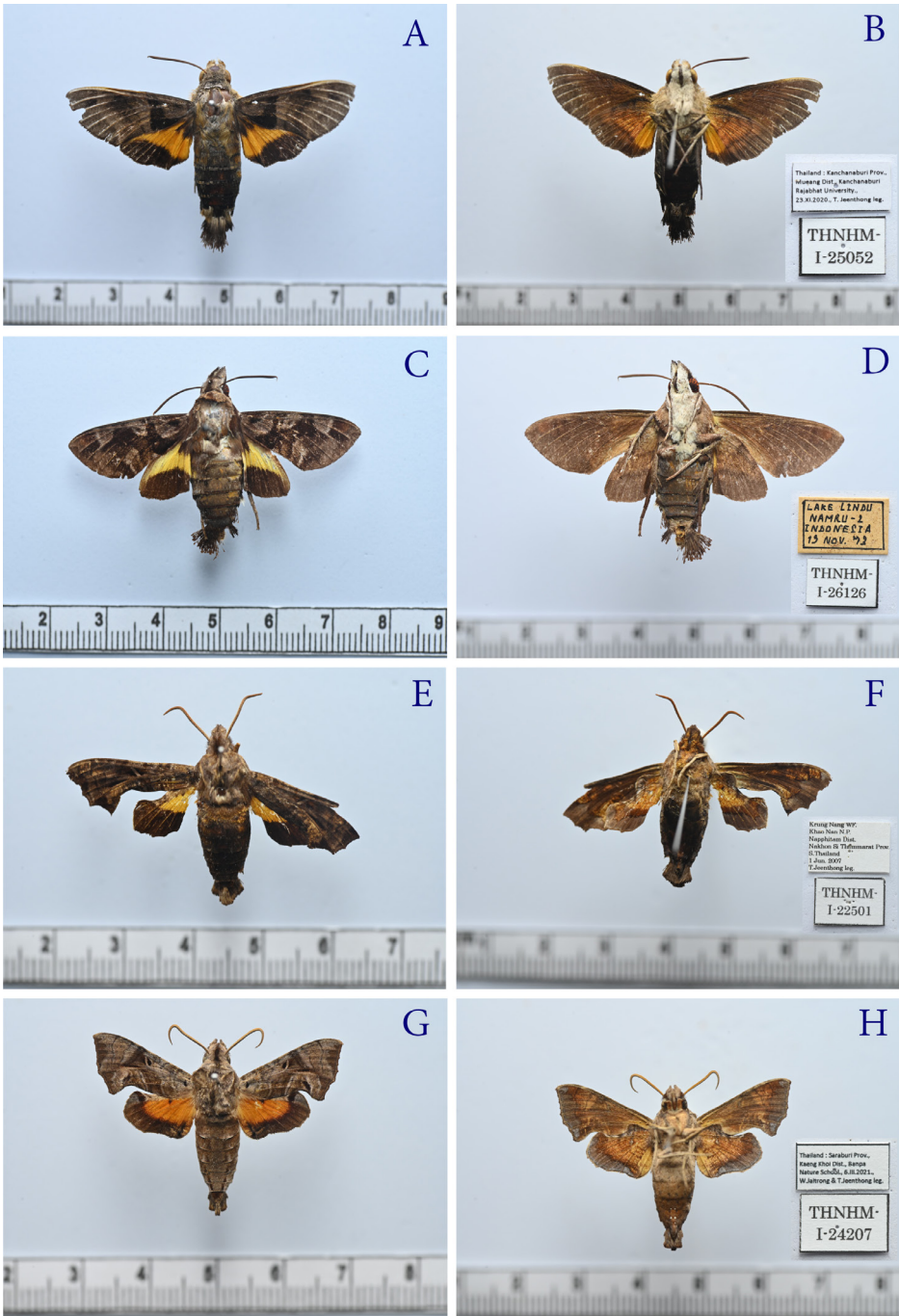


**Figure 19.** Specimens and labels of Sphingidae deposited in THNHM. A, *Macroglossum belis*, dorsal view; B, *Macroglossum belis*, ventral view and labels; C, *Macroglossum corythus*, dorsal view; D, *Macroglossum corythus*, ventral view and labels; E, *Macroglossum faro*, dorsal view; F, *Macroglossum faro*, ventral view and labels; G, *Macroglossum gyrans*, dorsal view; H, *Macroglossum gyrans*, ventral view and labels.

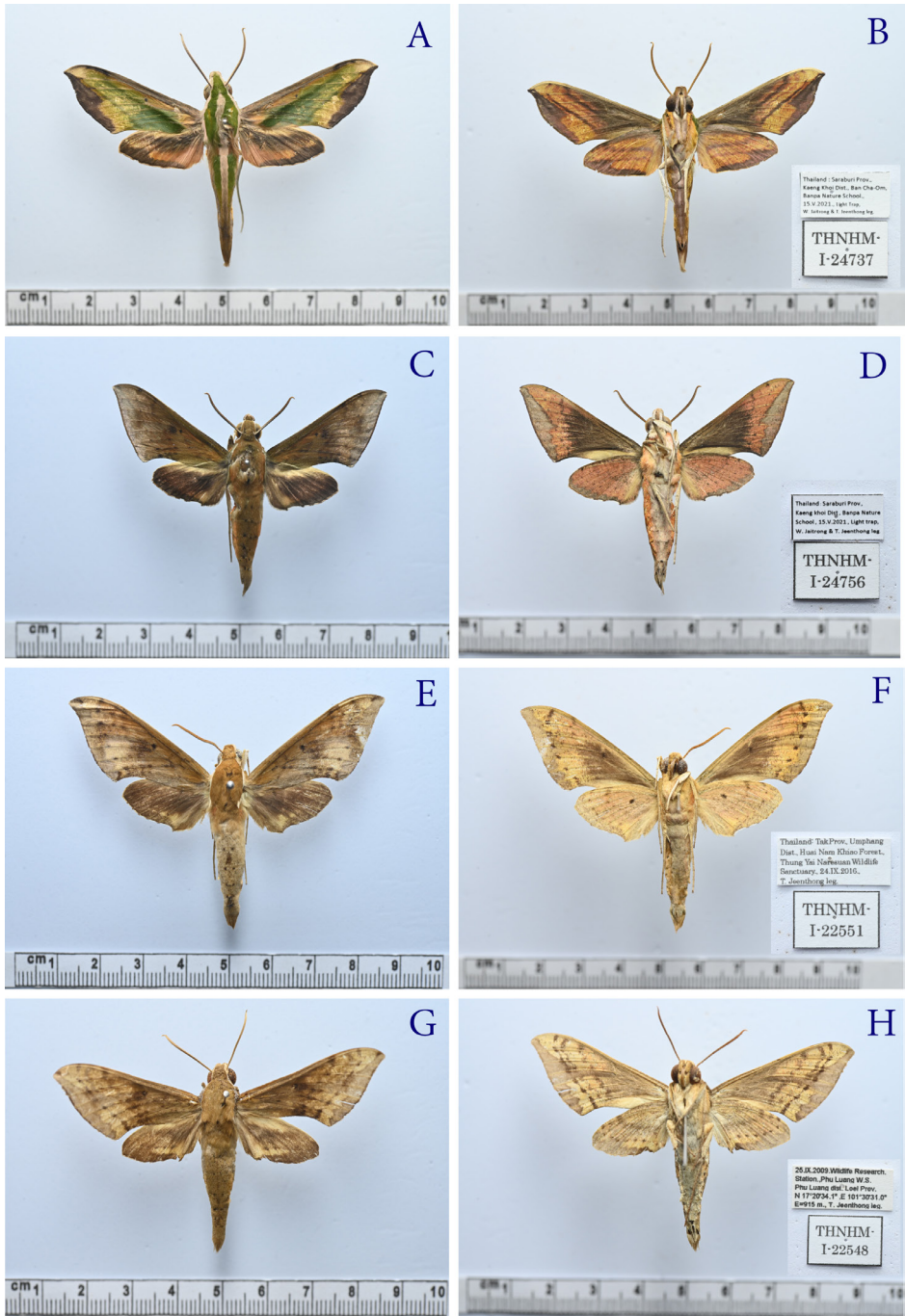




**Figure 20.** Specimens and labels of Sphingidae deposited in THNHM. A, *Macroglossum hemichroma*, dorsal view; B, *Macroglossum hemichroma*, ventral view and labels; C, *Macroglossum mitchellii*, dorsal view; D, *Macroglossum mitchellii*, ventral view and labels; E, *Macroglossum prometheus*, dorsal view; F, *Macroglossum prometheus*, ventral view and labels; G, *Macroglossum pseudungues*, dorsal view; H, *Macroglossum pseudungues*, ventral view and labels.

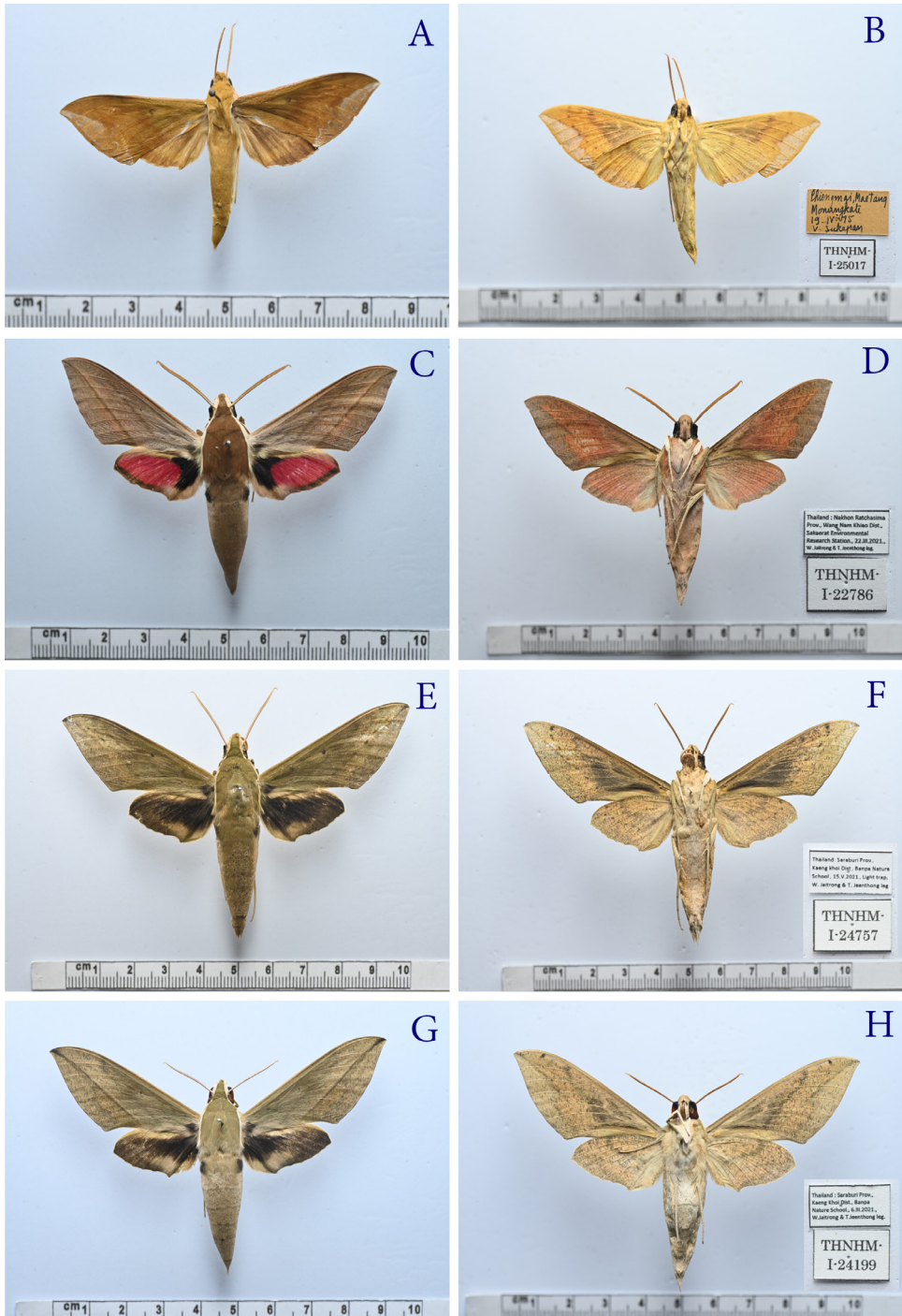


**Figure 21.** Specimens and labels of Sphingidae deposited in THNHM. A, *Macroglossum sitiene*, dorsal view; B, *Macroglossum sitiene*, ventral view and labels; C, *Macroglossum troglodytus*, dorsal view; D, *Macroglossum troglodytus*, ventral view and labels; E, *Neogurelca himachala*, dorsal view; F, *Neogurelca himachala*, ventral view and labels; G, *Neogurelca hyas*, dorsal view; H, *Neogurelca hyas*, ventral view and labels.

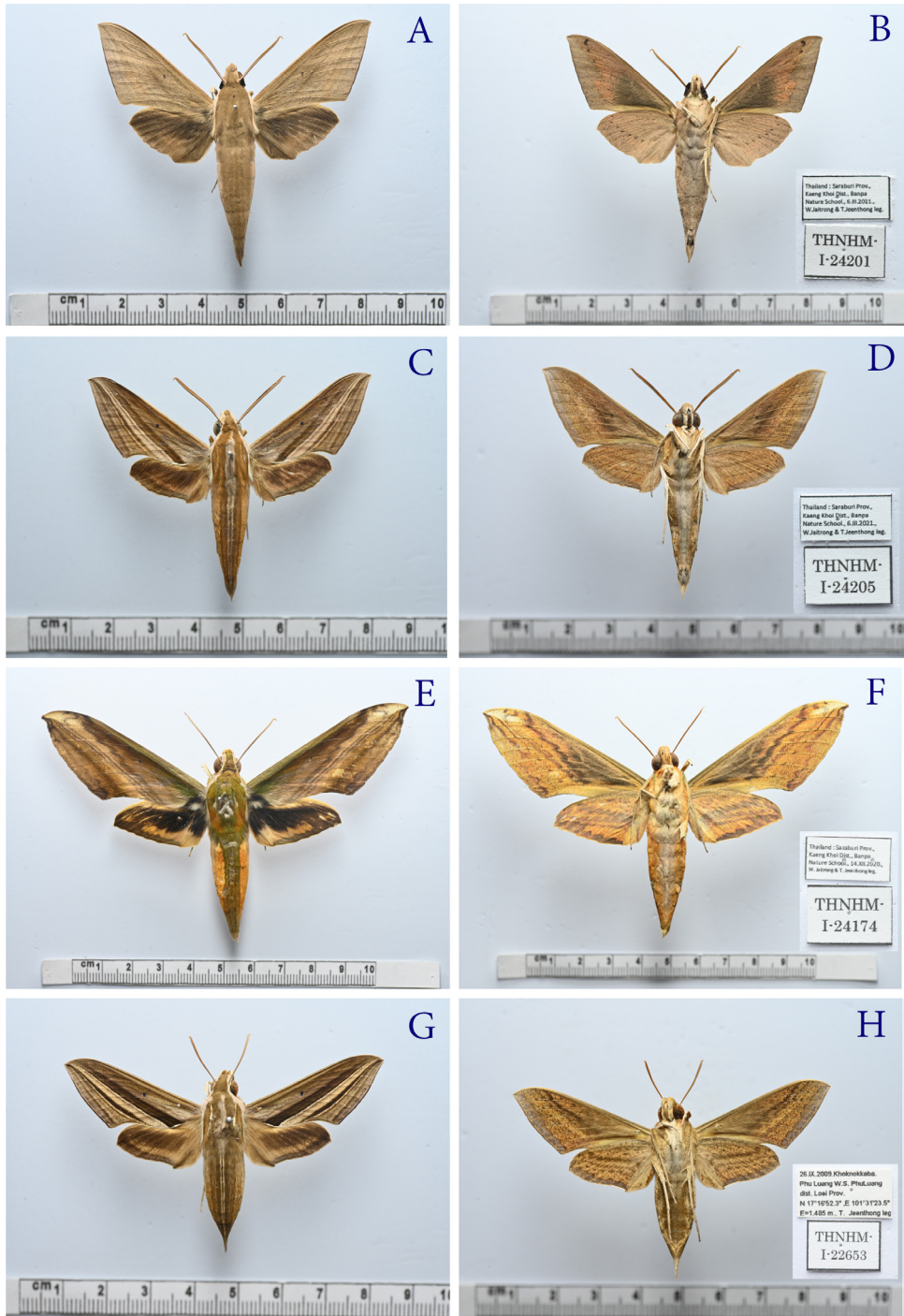


**Figure 22.** Specimens and labels of Sphingidae deposited in THNHM. A, *Pergesa acteus*, dorsal view; B, *Pergesa acteus*, ventral view and labels; C, *Rhagastis acuta*, dorsal view; D, *Rhagastis acuta*, ventral view and labels; E, *Rhagastis albomarginatus*, dorsal view; F, *Rhagastis albomarginatus*, ventral view and labels; G, *Rhagastis confusa*, dorsal view; H, *Rhagastis confusa*, ventral view and labels.



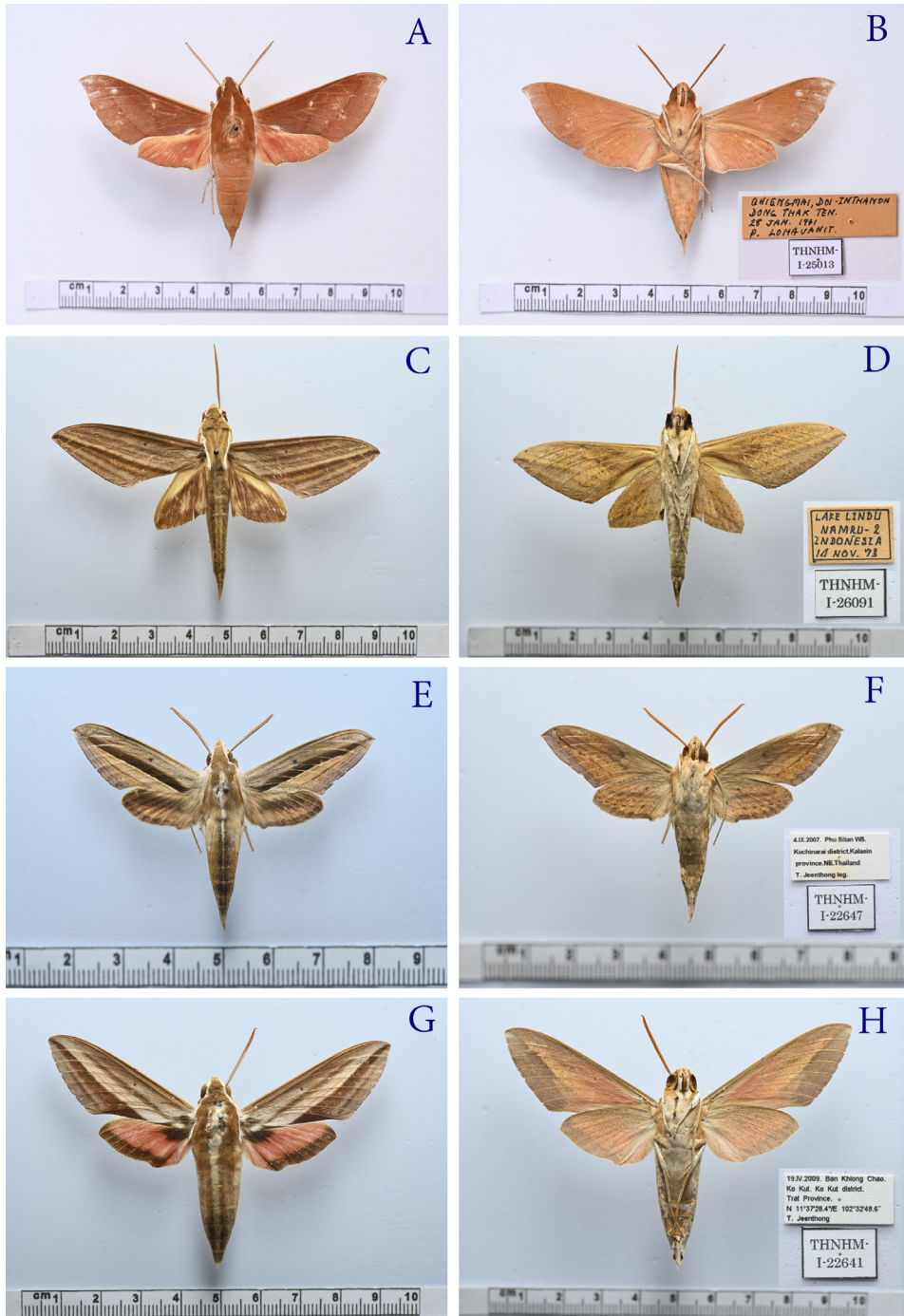


**Figure 23.** Specimens and labels of Sphingidae deposited in THNHM. A, *Rhagastis olivacea*, dorsal view; B, *Rhagastis olivacea*, ventral view and labels; C, *Theretra alecto*, dorsal view; D, *Theretra alecto*, ventral view and labels; E, *Theretra boisduvalii*, dorsal view; F, *Theretra boisduvalii*, ventral view and labels; G, *Theretra clotho*, dorsal view; H, *Theretra clotho*, ventral view and labels.



**Figure 24.** Specimens and labels of Sphingidae deposited in THNHM. A, *Theretra lucasii*, dorsal view; B, *Theretra lucasii*, ventral view and labels; C, *Theretra lycetus*, dorsal view; D, *Theretra lycetus*, ventral view and labels; E, *Theretra nessus*, dorsal view; F, *Theretra nessus*, ventral view and labels; G, *Theretra oldenlandiae*, dorsal view; H, *Theretra oldenlandiae*, ventral view and labels.





**Figure 25.** Specimens and labels of Sphingidae deposited in THNHM. A, *Theretra pallicosta*, dorsal view; B, *Theretra pallicosta*, ventral view and labels; C, *Theretra shendurneensis*, dorsal view; D, *Theretra shendurneensis*, ventral view and labels; E, *Theretra silhetensis*, dorsal view; F, *Theretra silhetensis*, ventral view and labels; G, *Theretra suffusa*, dorsal view; H, *Theretra suffusa*, ventral view and labels.

***Theretra silhetensis* (Walker, 1856) (Figure 25E–F)**

*Chaerocampa* [sic] *silhetensis* Walker, 1856: 143. Type locality: Sri Lanka.

**Material Examined.** **NORTHEASTERN:** 1♂ (THNHM-I-22647), Kalasin prov., Kuchinarai Dist., Phu Sitan W.S., 4.IX.2007, T. Jeenthong leg. **EASTERN:** 1♂ (THNHM-I-22648), Chanthaburi Prov., Khlung Dist., Ban Ang-Et, Light trap, 2.VIII.2014, W. Jaitrong leg.; 1♂ (THNHM-I-26041) and 1♀ (THNHM-I-26042), Nakhon Ratchasima Prov., Sakaerat Environmental Research Station, 1.XI.1967, S. Sittilert leg.; . **CENTRAL:** 1♀ (THNHM-I-22649), Kamphaeng Phet Prov., Lan Krabue Dist., 7.III.2014, W. Jaitrong leg.; 2♂ (THNHM-I-22650 and THNHM-I-22651), Saraburi Prov., Kaeng Koi Dist., Banpa Nature School, 23.VI.2020, T. Jeenthong leg.; 1♂ (THNHM-I-23964), same locality, 16.I.2021, W. Jaitrong & T. Jeenthong leg.; 1♂ (THNHM-I-24162), same locality and collector, 12.XII.2020.; 1♀ (THNHM-I-24159), same locality, 12.XII.2020, Kantharak leg.; 1♂ (THNHM-I-24160), same locality, 12.XII.2020, S. Ramakrishanasatty leg.; 1♂ (THNHM-I-24161), same locality, 12.XII.2020, P. Visavayothanum leg.; 2♂ (THNHM-I-23860 and THNHM-I-23866), same locality, 12.XII.2020, T. Jeenthong leg.; 1♂ (THNHM-I-24779), same locality, 15.V.2021, W. Jaitrong & T. Jeenthong leg.; 1♀ (THNHM-I-26043), Bangkok, Bang Kapi, 12.VI.1964, S. Pongsa leg.; 1♂ (THNHM-I-26044), Bangkok, Bang Khean, 15.XI.1966, KOBY leg.; 1♂ (THNHM-I-22646), Samutprakarn Prov., Mueang Dist., 24.III.2002, W. Jaitrong leg.

**Distribution.** Kalasin, Chanthaburi, Nakhon Ratchasima, Kamphaeng Phet, Saraburi, Bangkok, and Samutprakarn Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017); Thailand Nature Project (2021).

***Theretra suffusa* (Walker, 1856) (Figure 25G–H)**

*Chaerocampa suffusa* Walker, 1856: 146. Type locality: India; Nepal.

**Material Examined.** **EASTERN:** 5♂ (THNHM-I-22636 to THNHM-I-22640), Trat Prov., Ko Kut [=Ko Kud] Dist, Ban Khlung Chao, 11°37' 26.4"N, 102°32'48.6"E, 16.IV.2009, T. Jeenthong leg.; 1♂ (THNHM-I-22641), same locality and collector, 19.IV.2009., **SOUTHERN:** 1♂ (THNHM-I-22635), Nakhon Si Thammarat Prov., Sichon Dist., Khao Nan N.P., 23.XI.2006, J. Nabhipathata leg.

**Distribution.** Trat and Nakhon Si Thammarat Provinces.

**References.** Inoue *et al.* (1997); Koçak and Kemal (2010); Ponpinij (2017).

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