

The Bat Specimens in the Family Pteropodidae (Chiroptera) Deposited in the Natural History Museum of the National Science Museum Thailand

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Abstract

Based on an examination of museum specimens, a comprehensive and critical species list of the bat specimens in the family Pteropodidae has been created. Currently, 19 valid species in twelve genera of the family are known from Thailand. A total of 765 bats specimens in 16 species (nine genera) are housed in the Natural History Museum of the National Science Museum, Thailand. All are non-type specimens. Images of specimens and distribution for each species are provided

Keywords

specimens, Natural History Museum, bats, Thailand

Introduction

Thailand, with an area of 513,120 km², is located in the center of mainland Southeast Asia, extending from 5°45'N to 20°30'N and from 97°30'E to 105°45'E. Thailand is bordered to the north by Myanmar and Laos, to the east by Laos and Cambodia, to the west by Myanmar and the Andaman Sea, and to the south by Malaysia and the Gulf of Thailand (Khachonpisitsak *et al.*, 2020; Jeenthong *et al.*, 2021). Thailand has been divided into six geographical regions: northern, northeastern, central, eastern, western, and southern; with each region being unique in terms of geography, human population size, and available resources (Royal Forest Department, 2009; Jeenthong *et al.*, 2013; Khachonpisitsak *et al.*, 2020). Thailand has been described as a natural gateway or zoogeographical crossroads to Indochina in the north and the Sundaic region in the south (Luangjame *et al.*, 1997) and is considered as a biodiversity

hotspot due to its rich diversity and high endemism (Plant, 2014; The Sustainability Consortium WRI, 2019; Myers *et al.*, 2000).

Currently, there are more than 1,300 species of bats around the world. In Thailand, there are more than 145 species of bats in 11 families, or 10% of the bats found around the world. Bats can be divided into two main groups that are frugivorous and insectivorous bats. Bats in the family Pteropodidae use their eyes and nose to find food, fruits, and nectar from flowers. Commonly frugivorous bats are found in Asia, Africa, and Australia. Currently, there are more than 195 species in the world (Karapan *et al.*, 2023; Francis, 2008; Soisook, 2011).

The study of the diversity of Pteropodidae has been piecemeal. This study is the first comprehensive checklist of Pteropodidae specimens deposited in Natural History Museum of the National Science Museum, Thailand (THNHM). The list of species together with illustrations for each species, and biogeographical distribution of the Thai species of the family are provided.

Materials and Methods

A checklist was compiled from the data of museum records, literature, and collections made during field trips from 1951 to 2023, covering six geographical regions and 77 provinces of Thailand (northern region, nine provinces; western region, five provinces; northeastern region, 20 provinces; central region, 22 provinces; eastern region, seven provinces, and southern region, 14 provinces). This list presents all known Thai bats of the family Pteropodidae described and recorded from 1951 to 2023, covering current valid names, distributions, and references. Extensive collections, made from various localities in Thailand during the past 50 years, now deposited in the Natural History Museum of National Science Museum, Thailand (THNHM), were examined. The present list was arranged phylogeny (followed Karapa *et al.*, 2023). Binominal species names are followed by author name(s) and publication year. English and Thai common names and distribution are also given. Material examined and images, if available, are provided.

Results and Discussion

Currently, 19 fruit bat species in twelve genera (*Pteropus* Brisson, 1762; *Cynopterus* Cuvier, 1824; *Rousettus* Gray, 1821; *Aethalops* Thomas, 1923; *Penthetor* Andersen, 1912; *Chironaxk* Andersen, 1912; *Dyacopterus* K. Andersen, 1912; *Megaerops* Peters, 1865; *Balionycteris* Matschie, 1899; *Sphaerias* Miller, 1906; *Eonycteris* Dobson, 1873; and *Macroglossus* Cuvier, 1824) are known in Thailand (Karapa *et al.*, 2023).

A total of 765 bat specimens in 17 species (ten genera) are housed in THNHM. It is composed mainly of *Cynopterus* comprising 55% of all species, followed by *Eonycteris* (11.5%), *Megaerops* (9.6%), *Macroglossus* (9%), *Pteropus* (7%), *Sphaerias* (2%), *Chironaxk* (1%), *Dyacopterus* (0.2%), and *Balionycteris* (0.2%), respectively. Worldwide, over 1,300 extant species are recognized in Pteropodidae (Wilson and Mittermeier, 2019). Thus, to date, the number of species known from Thailand accounts for 1.24% of the global total.

Table 1. Number of genera, species, and specimens of Pteropodidae in Thailand

Genera	Number of Species	Number of Specimens
<i>Pteropus</i> Brisson, 1762	3	53
<i>Cynopterus</i> Cuvier, 1824	3	418
<i>Megaerops</i> Peters, 1865	2	44
<i>Rousettus</i> Gray, 1821	2	42
<i>Dyacopterus</i> Andersen, 1912	1	1
<i>Balionycteris</i> Matschie, 1899	1	1
<i>Chironaxk</i> Andersen, 1912	1	6
<i>Sphaerias</i> Miller, 1906.	1	15
<i>Eonycteris</i> Dobson, 1873	1	87
<i>Macroglossus</i> Cuvier, 1824	2	69
Total	19	765

Checklist of species

Family Pteropodidae

Genus *Pteropus* Brisson, 1762

Pteropus hypomelanus Temminck, 1853 (Figure 1)

Island Flying Fox (ค้างคาวแม่ไก่เกาะ)

Non-type material examined. THAILAND: 2 sex unknown specimens (THNHM-M-00000337 and THNHM-M-00000336), E Thailand, Rayong Prov., Klaeng Dist., 20.V.2007, Y. Rassamee and S. Makchai leg.; 1 sex unknown specimen (THNHM-M-00000299), E Thailand, Rayong Prov., Klaeng Dist., 20.V.2007, W. Sangsansombat and Y. Rassamee leg.; 1 male (THNHM-M-00002436), S Thailand, Surat Thani Prov., Ko Pha-ngan Dist., Koh Taopoon Island, 30.V.1969, S. Pongsaphiphat leg.; 1 female (THNHM-M-00002437), S Thailand, Surat Thani Prov., Ko Pha-ngan Dist., Ban Tai, 18.XII.1973, Nivesh Nadee leg.; 1 male (THNHM-M-00002438), S Thailand, Nakhon Si Thammarat Prov., Lan Saka Dist., Wang Pai, 12.IX.1953, TISTR TEAM leg.; 1 female (THNHM-M-00002439), S Thailand, Nakhon Si Thammarat Prov., Ko Samui Dist., Angthong Island, 16.XII.1973. N. Nadee leg.; 1 female (THNHM-M-00002440), S Thailand, Nakhon Si Thammarat Prov., Ko Samui Dist., Na Muang, Base of Khao Phlu, 28.I.1983, DEB TEAM leg.; 1 male (THNHM-M-00002441), S Thailand, Nakhon Si Thammarat Prov., Ko Samui Dist., Na Muang, Base of Khao Phlu, 29.I.1983, DEB TEAM leg.; 3 females (THNHM-M-00002442, THNHM-M-00002443, and THNHM-M-00002444), S Thailand, Nakhon Si Thammarat Prov., Ko Pha-ngan Dist., Koh Tao Island, 12.III.1994, Nivesh Nadee leg.; 2 females (THNHM-M-00002445 and THNHM-M-00002446), S Thailand, Phatthalung Prov., Mueang Phatthalung Dist., Khao Phap Pha, Ban Na, 3.X.1977, TISTR TEAM leg.; 1 male (THNHM-M-00002447), S Thailand, Yala Prov., Betong Dist., unknow date, Marnoch Gadee leg.; 1 female (THNHM-M-00002448), unknow locality and date., TISTR TEAM leg.; 1 sex unknown specimen (THNHM-M-00002449), unknown locality and date, TISTR TEAM leg.

Distribution. Rayong, Surat Thani, Nakhon Si Thammarat, Phatthalung, and Yala.



Figures 1. *Pteropus hypomelanus* Temminck, 1853

***Pteropus vampyrus* (Linnaeus, 1758) (Figure 2)**

Large Flying-fox (ค้างคาวแม่ไก่ป่าฝน)

Non-type material examined. THAILAND: 2 males (THNHM-M-00002453 and THNHM-M-00002454), C Thailand, Chonburi Prov., Sattahip Dist., Koh Khram Yai, 20.X.1971, K. Thonglongya leg.; 1 female (THNHM-M-00002455), C Thailand, Chonburi Prov., Sattahip Dist., Koh Khram Yai, 20.X.1971, K. Thonglongya leg.; 1 male (THNHM-M-00002457), C Thailand, Chonburi Prov., Sattahip Dist., Koh Khram Yai, 20.X.1971, TISTR TEAM leg.; 1 male (THNHM-M-00002452), S Thailand, Nakhon Si Thammarat Prov., Chawang Dist., Nam Tok Ta-Phae, 10.IX.1962, SEATO TEAM leg.; 1 male (THNHM-M-00002456), S Thailand, Krabi Prov., Mueang Krabi Dist., Ban Tap Plick, 3.VI.1973, K. Thonglongya leg.; 1 male (THNHM-M-00002451), S Thailand, Yala Prov., Bannang Sata Dist., Tham Talu, 15.VIII.1952, Marnoch Gadee leg.; 1 male (THNHM-M-00002458), S Thailand, Yala Prov., Betong Dist., Khao Nam Tok Bang Lang, 16.VIII.1952, Marnoch Gadee leg.; 1 male (THNHM-M-00002459), unknown locality and date, TISTR TEAM leg. 2 sex unknown specimens (THNHM-M-00002460 and THNHM-M-00002461), S Thailand, Nakhon Si Thammarat Prov., unknown locality and date, SEATO TEAM leg. 2 sex unknown specimens (THNHM-M-00002449 and THNHM-M-00002450), unknown locality and date, TISTR TEAM leg.

Distribution. Chonburi, Nakhon Si Thammarat, Krabi, and Yala.



Figures 2. *Pteropus vampyrus* (Linnaeus, 1758)

***Pteropus lylei* Andersen, 1908 (Figure 3)**

Lyle's Flying Fox (ค้างคาวแม่ไก่ภาคกลาง)

Non-type material examined. THAILAND: 3 females (THNHM-M-00002468, THNHM-M-00002469, and THNHM-M-00002470), W Thailand, Ratchaburi Prov., Chom Bueng Dist., Tungnoc Karren, 10.V.1952, Robert E. Elbel and Yen Gardee leg. 1 male (THNHM-M-00002471), W Thailand, Ratchaburi Prov., Klong Pho, Ban Chong, 12.IV.1952, Robert E. Elbel and Yen Gardee leg.; 1 male (THNHM-M-00002472), W Thailand, Ratchaburi Prov., Chom Bueng Dist., Tungnoc Karren, 12.IV.1952, Robert E. Elbel and Yen Gardee leg.; 1 female (THNHM-M-00002473), W Thailand, Ratchaburi Prov., Klong Pho, Ban Chong, 14.IV.1952, Robert E. Elbel and Yen Gardee leg.; 1 female (THNHM-M-00002474), W Thailand, Ratchaburi Prov., Ban Pong Moung, 26.VII.1952, Robert E. Elbel and Yen Gardee leg.; 4 females (THNHM-M-00002462, THNHM-M-00002463, THNHM-M-00002464, and THNHM-M-00002465), C Thailand, Saraburi Prov., 2.VIII.1951, B. Lekagul leg.; 1 sex unknown specimen (THNHM-M-00002466), C Thailand, Bangkok Prov., 10.I.1952, B. Lekagul leg.; 2 sex unknown specimens (THNHM-M-00002466 and THNHM-M-00002467), C Thailand, Bangkok Prov., 10.I.1952, B. Lekagul leg.; 1 female (THNHM-M-00002475), C Thailand, Chonburi Prov., Si Racha Dist., Bang Phra, 25.VII.1966, Somchai leg.; 2 males (THNHM-M-00002476 and THNHM-M-00002477), C Thailand, Chonburi Prov., Mueang Chonburi Dist., Ban Ang Sila, 8.VI.1967, TISTR TEAM leg.; 1 male (THNHM-M-00002478), C Thailand, Chonburi Prov., Mueang Chonburi Dist., Ban Ang Sila, 25.X.1971, K. Thonglongya leg.; 1 male (THNHM-M-00002480), S Thailand, Phatthalung Prov., Mueang Phatthalung Dist., Khao Phap Pha, Ban Na, 3.I.1997, TISTR TEAM leg.; 1 male (THNHM-M-00002481), S Thailand, Nakhon Si Thammarat Prov., Lan Saka Dist., Wang Pai, 12.IX.1953, TISTR TEAM leg.; 1 male (THNHM-M-00002481), S Thailand, Nakhon Si Thammarat Prov., Lan Saka Dist., Wang Pai, 12.IX.1953, TISTR TEAM leg.; 1 male (THNHM-M-00002481), S Thailand, Nakhon Si Thammarat Prov., Lan Saka Dist., Wang Pai, 12.IX.1953, TISTR TEAM leg.; 1 sex unknown specimen (THNHM-M-00002479), unknown locality and date, TISTR TEAM leg.

Distribution. Ratchaburi, Saraburi, Bangkok, Chonburi, Phatthalung, and Nakhon Si Thammarat.



Figure 3. *Pteropus lylei* Andersen, 1908

Genus *Cynopterus* Cuvier, 1824

***Cynopterus brachyotis* (Müller, 1838) (Figure 4)**

Lesser Dog-faced Fruit Bat (ค้างคาวขอบหูขาวเล็ก)

Non-type material examined. THAILAND. 1 sex unknown specimen (THNSM-M-0000698), W Thailand, Tak Prov., 12.VI.1992, unknown locality, date, and collector; 1 sex unknown specimen (THNHM-M-00000449), E Thailand, Trat Prov., Koh Kut Dist., 21.VIII.2009, Y. Rassamee leg.; 1 male (THNHM-M-00005627), E Thailand, Trat Prov., Laem Ngop Dist., Koh Yao Yai, 7.X.1993, ERD Team leg.; 1 male (THNHM-M-00005626), E Thailand, Chanthaburi Prov., Makhm Dist., Khao Krating, 12.XII.1973, K. Thonglongya leg.; 2 sex unknown specimens (THNHM-M-00006488 and THNHM-M-00007294), E Thailand, Chanthaburi Prov., Makhm Dist., Khao Krating, 12.XII.1973, TISTR TEAM leg.; 1 female (THNHM-M-00007295), E Thailand, Chanthaburi Prov., Makhm Dist., Khao Krating, 12.XII.1973, K.Thonglongya leg.; 4 males (THNHM-M-00007564, THNHM-M-00007572, THNHM-M-00007573 and THNHM-M-00007575), E Thailand, Chanthaburi Prov., Pong Nam Ron Dist., Khao Soi Dao Tai, 20-22.IX.1971, K. Thonglongya leg.; 7 females (THNHM-M-00007565, THNHM-M-00007566, THNHM-M-00007567, THNHM-M-00007568, THNHM-M-00007569, THNHM-M-00007570 and THNHM-M-00007571, THNHM-M-00007574, and THNHM-M-00007576), E Thailand, Chanthaburi Prov., Pong Nam Ron Dist., Khao Soi Dao Tai, 20-22.XI.1971, K. Thonglongya leg.; 6 males (THNHM-M-00006489, THNHM-M-00006490, THNHM-M-00006491, THNHM-M-00006492, THNHM-M-00006493 and THNHM-M-00006494), E Thailand, Chachoengsao Prov., Sanam Chai Khet Dist., Khao Soi Dao Tai, 18-19.VII.1993, ERD Team leg.; 2 females (THNHM-M-00006495 and THNHM-M-00006496), E Thailand, Chachoengsao Prov., Sanam Chai Khet Dist., Khao Soi Dao Tai, 18-19.VII.1993, ERD Team leg.; 1 female (THNHM-M-00007563), E Thailand, Chonburi Prov., Sattahip Dist., Koh Khram Yai, 21-19.X.1971, K. Thonglongya leg.; 2 males (THNHM-M-00007297 and THNHM-M-00007298), S Thailand, Ranong Prov., Kapoe Dist., Koh Surin Nua, 14.IV.1976, CTNRC TEAM leg.; 5 males (THNHM-M-00007299, THNHM-M-00007300,

THNHM-M-00007301, THNHM-M-00007302 and THNHM-M-00007303), S Thailand, Ranong Prov., Kapoe Dist., Koh Surin Nua, 17.IV.1976, CTNRC TEAM leg.; 7 females (THNHM-M-00007304, THNHM-M-00007305, THNHM-M-00007306, THNHM-M-00007307, THNHM-M-00007308, THNHM-M-00007309 and THNHM-M-00007310), S Thailand, Ranong Prov., Kapoe Dist., Koh Surin Nua, 17.IV.1976, CTNRC TEAM leg.; 1 female (THNHM-M-00004812), S Thailand, Pattani Prov., Khok Pho Dist., Koh Surin Nua, 17.VIII.1969, CTNRC TEAM leg.; 1 male (THNHM-M-00004813), S Thailand, Pattani Prov., Khok Pho Dist., Koh Surin Nua, 17.VIII.1969, CTNRC TEAM leg.; 1 male (THNHM-M-00007296), S Thailand, Phang-nga Prov., Koh Yao Dist., Koh Yao Yai, 21.III.1976, CTNRC TEAM leg.; 1 male (THNHM-M-00006497), S Thailand, Trang Prov., Palian Dist., Khao Ban That Wildlife Sanctuary, Nam Tok Ton-Te, 14.X.1993, DEB TEAM leg.; 1 female (THNHM-M-00006499), S Thailand, Trang Prov., Palian Dist., Khao Ban That Wildlife Sanctuary, Nam Tok Ton-Te, 16.X.1993, ERD Team leg.; 4 sex unknown specimens (THNHM-M-00000450, THNHM-M-00000451, THNHM-M-00000485 and THNHM-M-00000713), Thailand, unknown locality, date, and collector; 2 males (THNHM-M-00000708 and THNHM-M-00000840), Thailand, unknown locality, date, and collector; 3 females (THNHM-M-00000709, THNHM-M-0000071 and THNHM-M-00000712), Thailand, unknown locality, date, and collector; 1 female (THNHM-M-00006536), Thailand, unknown locality, I.1900, DEB TEAM leg.

Distribution. Tak, Trat, Chanthaburi, Chachoengsao, Chonburi, Ranong, Pattani, Phang-nga, and Trang.



Figure 4. *Cynopterus brachyotis* (Müller, 1838)

***Cynopterus sphinx* (Vahl, 1797) (Figure 5)**

Greater Shortnosed Fruit Bat (ค้างคาวขอบหูขาวกลาง)

Non-type material examined. THAILAND: 3 males (THNHM-M-00007389, THNHM-M-00007390 and THNHM-M-00007391), N Thailand, Phetchabun Prov., Khao Kaw Dist., Nong Dern; Nong Mae Na, 3.III.1989., ERD Team leg.; 1 male (THNHM-M-00004927), N Thailand, Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai National Park, 3.XI.1993., SW leg.; 10 males (THNHM-M-00004885, THNHM-M-00004886,

THNHM-M-00004887, THNHM-M-00004888, THNHM-M-00004893, THNHM-M-00004894, THNHM-M-00004897, THNHM-M-00004899, THNHM-M-00004901 and THNHM-M-00004904), N Thailand, Chiang Mai Prov., Chom Thong Dist., Doi Inthanon, 29–30.XII.1980., Boonsong Lekagul leg.; 9 females (THNHM-M-00004889, THNHM-M-00004890, THNHM-M-00004891, THNHM-M-00004892, THNHM-M-00004895, THNHM-M-00004896, THNHM-M-00004898, THNHM-M-00004900 and THNHM-M-00004903), N Thailand, Chiang Mai Prov., Chom Thong Dist., Doi Inthanon, 29–30.XII.1980., Boonsong Lekagul leg.; 1 female (THNHM-M-00004906), N Thailand, Chiang Mai Prov., Fang Dist., Doi Pha Hom Pok, 26.I.1981., Boonsong Lekagul leg.; 1 female (THNHM-M-00004902), N Thailand, Chiang Mai Prov., Fang Dist., Doi Pha Hom Pok (Doi Phu Mun), 30.XII.1980, Boonsong Lekagul leg.; 1 male (THNHM-M-00004905), N Thailand, Chiang Mai Prov., Fang Dist., Doi Pha Hom Pok (Doi Phu Mun), 24.I.1981., Boonsong Lekagul leg.; 4 females (THNHM-M-00005632, THNHM-M-00005633, THNHM-M-00005634, and THNHM-M-00005635), N Thailand, Chiang Mai Prov., Fang Dist., Tham Tap Tao, 17–18.I.1974, K.Thonglongya leg.; 2 males (THNHM-M-00005687 and THNHM-M-00005688), N Thailand, Nan Prov., Mueang Nan Dist., Tham Song Satang, 14.VII.1975., CTNRC TEAM leg.; 1 female (THNHM-M-00005689), N Thailand, Nan Prov., Mueang Nan Dist., Tham Song Satang, 14.VII.1975, CTNRC TEAM leg.; 3 sex unknown specimens (THNHM-M-00007403, THNHM-M-00007404, and THNHM-M-00007405), N Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan, Nam Nao National Park, 27.VI.1990., ERD Team leg.; 1 male (THNHM-M-00005716), W Thailand, Kanchanaburi Prov., Khao Lean National Park, 6.X.1993., ERD Team leg.; 1 female (THNHM-M-00005717), W Thailand, Kanchanaburi Prov., Khao Lean National Park, 6.X.1993, ERD Team leg.; 1 sex unknown specimen (THNHM-M-00000515), W Thailand, Tak Prov., Umphang Dist., Mae Lamung, non, Sunate Karnpun leg.; 1 male (THNHM-M-00005630), W Thailand, Tak Prov., Mae Sot Dist., Khao Phra Wo, 16.I.1974, K. Thonglongya leg.; 20 females (THNHM-M-00005636, THNHM-M-00005637, THNHM-M-00005646, THNHM-M-00005647, THNHM-M-00005648, THNHM-M-00005649, THNHM-M-00005650, THNHM-M-00005651, THNHM-M-00005652, THNHM-M-00005653, THNHM-M-00005654, THNHM-M-00005655, THNHM-M-00005656, THNHM-M-00005657, THNHM-M-00005658, THNHM-M-00005659, THNHM-M-00005660, THNHM-M-00005661, THNHM-M-00005662, and THNHM-M-00005663), W Thailand, Tak Prov., Mae Sot Dist., Khao Phra Wo, 23–26.I.1974, K.Thonglongya leg.; 18 males (THNHM-M-00005631, THNHM-M-00005638, THNHM-M-00005637, THNHM-M-00005639, THNHM-M-00005640, THNHM-M-00005641, THNHM-M-00005642, THNHM-M-00005643, THNHM-M-00005644, THNHM-M-00005645, THNHM-M-00005664, THNHM-M-00005665, THNHM-M-00005666, THNHM-M-00005667, THNHM-M-00005668, THNHM-M-00005669, THNHM-M-00005670, and THNHM-M-00005692), W Thailand, Tak Prov., Mae Sot Dist., Khao Phra Wo, 23–26.I.1974, K.Thonglongya leg.; 1 female (THNHM-M-00006519), W Thailand, Prachuap Khiri Khan Prov., Pran Buri Dist., 16.X.1981, T. Polpakdee and S.S. leg.; 1 male (THNHM-M-00005628), W Thailand, Kanchanaburi Prov., Sai Yok Dist., Tham Wang Phra, 16.XII.1973, K. Thonglongya leg.; 1 female (THNHM-M-00005629), W Thailand, Kanchanaburi Prov., Sai Yok Dist., Tham Wang Phra, 16.XII.1973, K. Thonglongya leg.; 7 males (THNHM-M-00005703, THNHM-M-00005707, THNHM-M-00005708, THNHM-M-00005709, THNHM-M-00005710, THNHM-M-00005711, THNHM-M-00005712 and THNHM-M-00005713), W Thailand, Phetchaburi Prov., Tha Yang Dist., 10.III.1990, ERD Team leg.; 7 females (THNHM-M-00005700, THNHM-M-00005701, THNHM-M-00005702, THNHM-M-00005704, THNHM-M-00005705, THNHM-M-00005706,

THNHM-M-00005714 and THNHM-M-00005715), W Thailand, Phetchaburi Prov., Tha Yang Dist., 10-12.III.1990, ERD Team leg.; 1 male (THNHM-M-00006511), W Thailand, Phetchaburi Prov., Tha Yang Dist., 10.III.1991, ERD Team leg.; 1 sex unknown specimen (THNHM-M-00006512), W Thailand, Phetchaburi Prov., Tha Yang Dist., 11.III.1991, ERD Team leg.; 3 males (THNHM-M-00004873, THNHM-M-00004879 and THNHM-M-00004880), W Thailand, Kanchanaburi Prov., Thong Pha Phum Dist., Huai Kha Yaeng, 10-11.III.1975, CTNRC TEAM leg.; 9 females (THNHM-M-00004872, THNHM-M-00004874, THNHM-M-00004875, THNHM-M-00004876, THNHM-M-00004877, THNHM-M-00004878, THNHM-M-00004872, THNHM-M-00004881, THNHM-M-00004882 and THNHM-M-00004883), W Thailand, Kanchanaburi Prov., Thong Pha Phum Dist., Huai Kha Yaeng, 10-14.III.1975, CTNRC TEAM leg. 1 sex unknown specimen (THNHM-M-00000330), W Thailand, Prachuap Khiri Khan Prov., Bang Saphan, 12.VIII.2007, W. Sanguansombat leg.; 1 sex unknown specimen (THNHM-M-00000740), NE Thailand Nakhon ratchasima Prov., Khok Lumpan, 25.X.1992, RFD & JWRC leg.; 3 males (THNHM-M-00006507, THNHM-M-00006508, and THNHM-M-00006509), NE Thailand, Nong Khai Prov., Bueng Kan Dist., Chai-porn; Chong Cha-nan Forest Protecting Unit, 19.XII.1990, ERD Team leg.; 1 female (THNHM-M-00006510), NE Thailand, Nong Khai Prov., Bung Kan Dist., Chai-porn; Chong Cha-nan Forest Protecting Unit, 19.XII.1990, ERD Team leg.; 1 male (THNHM-M-00006513), NE Thailand, Nong Khai Prov., Bung Kan Dist., Nong Dern; Phu Wua Wildlife Sanctuary, 3.VI.1991, ERD Team leg.; 3 females (THNHM-M-00007346, THNHM-M-00007348, and THNHM-M-00007349), NE Thailand, Chaiyaphum Prov., Khon San Dist. Ban Nam Thip, 9.VIII.1981, P. Luecha and P. Nunpakdi leg.; 3 females (THNHM-M-00007347, THNHM-M-00007350, and THNHM-M-00007354), NE Thailand, Chaiyaphum Prov., Khon San Dist. Pa Phu Khieo, 8-11.VIII.1981, P. Luecha and P. Nunpakdi leg.; 3 males (THNHM-M-00007351, THNHM-M-00007352, and THNHM-M-00007353), NE Thailand, Chaiyaphum Prov., Khon San Dist. Pa Phu Khieo, 11-12.VIII.1981., P. Luecha and P. Nunpakdi leg.; 1 sex unknown specimen (THNHM-M-00006516), NE Thailand, Roi et Prov., Nong Phok Dist., Ban Phe, .I.1990., TISTR TEAM leg.; 4 males (THNHM-M-00007360, THNHM-M-00007361, THNHM-M-00007366, and THNHM-M-00007367), NE Thailand, Nakhon ratchasima Prov., Pak Chong Dist., Khao Yai; Ban Khlong Poon, 24.X.1982, NEB Team leg.; 5 females (THNHM-M-00007362, THNHM-M-00007363, THNHM-M-00007364, THNHM-M-00007365, and THNHM-M-00007368), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai; Ban Khlong Poon, 24-25.X.1982, NEB Team leg.; 9 females (THNHM-M-00004848, THNHM-M-00004849, THNHM-M-00004850, THNHM-M-00004851, THNHM-M-00004854, THNHM-M-00004859, THNHM-M-00004860, THNHM-M-00004861, and THNHM-M-00004862), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai; Ban Tha Ma Phang, 28.I.1974., CTNRC TEAM leg.; 6 males (THNHM-M-00004852, THNHM-M-00004853, THNHM-M-00004855, THNHM-M-00004856, THNHM-M-00004857, and THNHM-M-00004858), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai; Ban Tha Ma Phang, 28.I.1974, CTNRC TEAM leg.; 3 males (THNHM-M-00007371, THNHM-M-00007373, and THNHM-M-00007377), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., Mu Si Supdist., Khao Yai National Park; Pha Klui Mai, 3-4.III.1983, DEB TEAM TEAM leg.; 4 females (THNHM-M-00007372, THNHM-M-00007374, THNHM-M-00007375, and THNHM-M-00007376), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., Mu Si Supdist., Khao Yai National Park; Pha Klui Mai, 3-4.III.1983, DEB TEAM TEAM leg.; 10 males (THNHM-M-00007585, THNHM-M-00007586, THNHM-M-00007587, THNHM-M-00007588, THNHM-M-00007589, THNHM-M-00007590, THNHM-M-00007591, THNHM-M-00007592, THNHM-M-00007593, and THNHM-M-00007595), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., 2.VIII.1973, Kitti Thonglongya leg.; 8 females (THNHM-M-00007596,

THNHM-M-00007598, THNHM-M-00007599, THNHM-M-00007600, THNHM-M-00007601, THNHM-M-00007602, THNHM-M-00007603, and THNHM-M-00007604), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., 2.VIII.1973, Kitti Thonglongya leg.; 1 sex unknown specimen (THNHM-M-00007597), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., 2.VIII.1973, Kitti Thonglongya leg.; 4 males (THNHM-M-00004912, THNHM-M-00004913, THNHM-M-00004915, and THNHM-M-00004916), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 5.III.1981, P. Luecha and P. Nunpakdi leg.; 1 female (THNHM-M-00004913), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 5.III.1981, P. Luecha and P. Nunpakdi leg.; 1 male (THNHM-M-00005685), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 12.II.1975, CTNRC TEAM leg.; 1 female (THNHM-M-00005686), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 12.II.1975, CTNRC TEAM leg.; 2 females (THNHM-M-00007355 and THNHM-M-00005698), NE Thailand, Loei Prov., Phu Kradueng Dist., Ban Chong Fang, 14.IX.1981, P. Luecha and P. Nunpakdi leg.; 2 males (THNHM-M-00004928 and THNHM-M-00004929), NE Thailand, Loei Prov., Phu Kradueng Dist. Phuan Phu; Ban Pha Ngam; Nam Tok Piang Din, 11.III.1993, ERD Team leg.; 2 males (THNHM-M-00004930 and THNHM-M-00004931), NE Thailand, Loei Prov., Phu Luang Dist., Phuan Phu; Ban Suan Hom; Nam Tok Suan Hom, 15.III.1993, ERD Team leg.; 2 females (THNHM-M-00005699 and THNHM-M-00007356), NE Thailand, Loei Prov., Phu Ruea Dist., Phu Luang, 14–15.VIII.1981, P. Luecha and P. Nunpakdi leg.; 2 males (THNHM-M-00004932 and THNHM-M-00004933), NE Thailand, Loei Prov., Phu Ruea Dist., Phu Luang Wildlife Research Centre, 17.III.1993, P. Luecha and P. Nunpakdi leg.; 1 female (THNHM-M-00004934), NE Thailand, Loei Prov., Phu Ruea Dist., Phu Luang Wildlife Research Centre, 17.III.1993, P. Luecha and P. Nunpakdi leg.; 1 Male (THNHM-M-00005690), C Thailand, Lopburi Prov., Khok Lumpan, 15.I.1976, W. Wattanakul leg.; 2 females (THNHM-M-00005672 and THNHM-M-00005673), C Thailand, Uthai Thani Prov., Ban Rai Dist., E-Sai, 17.XII.1974, CTNRC TEAM leg.; 2 females (THNHM-M-00005674 and THNHM-M-00005676), C Thailand, Uthai Thani Prov., Ban Rai Dist., 16.I.1975, CTNRC TEAM leg.; 1 male (THNHM-M-00005675), C Thailand, Uthai Thani Prov., Ban Rai Dist., 16.I.1975, CTNRC TEAM leg.; 5 females (THNHM-M-00005677, THNHM-M-00005678, THNHM-M-00005679, THNHM-M-00005680, and THNHM-M-00005684), C Thailand, Uthai Thani Prov., Ban Rai Dist., Kaen-Ma-Krud, E-mad, 16–17.I.1975., CTNRC TEAM leg.; 2 males (THNHM-M-00005681, THNHM-M-00005682, and THNHM-M-000683), C Thailand, Uthai thani Prov., Ban Rai Dist., Kaen-Ma-Krud, E-mad, 16–17.I.1975, CTNRC TEAM leg.; 2 female (THNHM-M-00004863 and THNHM-M-00004864), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 28.I.1974, CTNRC TEAM leg.; 4 females (THNHM-M-00004868, THNHM-M-00004869, THNHM-M-00004870, and THNHM-M-00004871), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 25–27.VII.1974, CTNRC TEAM leg.; 1 male (THNHM-M-00004884), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 23.VI.1980, P. Luecha and S. Sittilert leg.; 4 females (THNHM-M-00004907, THNHM-M-00004908, THNHM-M-00004910, and THNHM-M-00004911), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 3–4.III.1981, P. Luecha and P. Nunpakdi leg.; 1 male (THNHM-M-00004909), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 3.III.1981, P. Luecha and P. Nunpakdi leg.; 1 male (THNHM-M-00004920), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 23.VI.1981, P. Luecha and P. Nunpakdi leg.; 3 males (THNHM-M-00007378, THNHM-M-00007381, and THNHM-M-00007386), C Thailand, Uthai Thani Prov., Lan Sak Dist. Huai Kha Khaeng Wildlife Sanctuary, Huai Sai Khao, 22.IV.1983, DEB TEAM leg.; 6 females (THNHM-M-00007379, THNHM-M-00007380, THNHM-M-00007382, THNHM-M-00007383, THNHM-M-00007384, and THNHM-M-00007385), C Thailand, Uthai Thani Prov., Lan Sak Dist. Huai Kha Khaeng

Wildlife Sanctuary, Huai Sai Khao, 22.IV.1983, DEB TEAM leg.; 1 sex unknown specimen (THNHM-M-00006500), C Thailand, Uthai Thani Prov., Lan Sak Dist. Huai Kha Khaeng Wildlife Sanctuary, Huai Sai Khao, 24.X.1982, P. Nunpakdi leg.; 5 females (THNHM-M-00006501, THNHM-M-00006502, THNHM-M-00006503, THNHM-M-00006504, and THNHM-M-00006505), C Thailand, Uthai Thani Prov., Lan Sak Dist. Huai Kha Khaeng Wildlife Sanctuary, Huai Sai Khao, 25–26.X.1982, P. Nunpakdi leg.; 1 male (THNHM-M-00005691), C Thailand, Lopburi Prov., Mueang Lopburi Dist., Tham Khu Ha Sawan, 20.VII.1976, W. Wattanakul leg.; 2 males (THNHM-M-00004935 and THNHM-M-00004936), C Thailand, Chachoengsao Prov., Sanam Chai Khet Dist., Chachoengsao Wildlife Research Station, 18.VII.1993, ERD Team leg. 1 female (THNHM-M-00004937), C Thailand, Chachoengsao Prov., Sanam Chai Khet Dist., Chachoengsao Wildlife Research Station, 18.VII.1993, ERD Team leg.; 5 sex unknown specimens (THNHM-M-00000413, THNHM-M-00000414, THNHM-M-00000415, THNHM-M-00000416, and THNHM-M-00000417), E Thailand, Trat Prov., Khlong Yai Dist., 19.II.2009., W. Sanguansombat, Y. Rassamee leg.; 1 female (THNHM-M-00000435), E Thailand, Trat Prov., Koh Chang Dist., 19.IV.2009, S. Wachara & Y.Rassamee leg.; 7 females (THNHM-M-00000418, THNHM-M-00000421, THNHM-M-00000423, THNHM-M-00000426, THNHM-M-00000432, THNHM-M-00000433, and THNHM-M-00000434), E Thailand, Trat Prov., Koh Kut Dist., 18-19.IV.2009, W. Sanguansombat, Y. Rassamee leg.; 7 males (THNHM-M-00000419, THNHM-M-00000420, THNHM-M-00000422, THNHM-M-00000424, THNHM-M-00000425, THNHM-M-00000431, and THNHM-M-00000436), E Thailand, Trat Prov., Koh Kut Dist., 18-19.IV.2009, W. Sanguansombat, Y. Rassamee leg.; 1 sex unknown specimen (THNHM-M-00000430), E Thailand, Trat Prov., Koh Kut Dist., 19.IV.2009, W. Sanguansombat, Y. Rassamee leg.; 1 male (THNHM-M-00005718), E Thailand, Trat Prov., Laem Ngop Dist. Koh Chang, 7.X.1993, ERD Team leg.; 1 male (THNHM-M-00004865), E Thailand, Chanthaburi Prov., Mueang Chanthaburi Dist., Khao Sabap, 19.X.1974, CTNRC TEAM leg.; 1 sex unknown specimen (THNHM-M-00004866), E Thailand, Chanthaburi Prov., Mueang Chanthaburi Dist., Khao Sabap, 20.X.1974, CTNRC TEAM leg.; 3 males (THNHM-M-00004840, THNHM-M-00004841, and THNHM-M-00004842), E Thailand, Chanthaburi Prov., Mueang Chanthaburi Dist., Ang Sila, 27.VIII.1972, S. Pongsaphiphat leg.; 5 females (THNHM-M-00004843, THNHM-M-00004844, THNHM-M-0000485, THNHM-M-00004846, and THNHM-M-00004847), E Thailand, Chanthaburi Prov., Mueang Chanthaburi Dist., Ang Sila, 27.VIII.1972, S. Pongsaphiphat leg.; 2 males (THNHM-M-00007358 and THNHM-M-00007359), E Thailand, Rayong Prov., Mueang Rayong Dist., Ban Phe, 15.I.1982, S. Yenbutra leg.; 1 female (THNHM-M-00007357), E Thailand, Rayong Prov., Mueang Rayong Dist., Ban Phe, 15.I.1982, S. Yenbutra leg.; 1 male (THNHM-M-00004917), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 6.III.1981, P. Luecha and P. Nunpakdi leg.; 2 females (THNHM-M-00004918 and THNHM-M-00004919), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 6.III.1981, P. Luecha and P. Nunpakdi leg.; 10 males (THNHM-M-00007329, THNHM-M-00007330, THNHM-M-00007331, THNHM-M-00007332, THNHM-M-00007333, THNHM-M-00007334, THNHM-M-00007335, THNHM-M-00007336, THNHM-M-00007337, and THNHM-M-00007338), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 7.III.1980, W. Wattanakul leg.; 3 females (THNHM-M-0000733, THNHM-M-00007340, and THNHM-M-00007341), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 6–7. III.1980, W. Wattanakul leg.; 2 females (THNHM-M-00004921 and THNHM-M-00004922), S Thailand, Songkhla Prov., Hat Yai Dist., Nam Tok Ton Nga Chang, 13.VIII.1981, T. Polpakdee and S. Sittilert leg.; 1 female (THNHM-M-00007342), S Thailand, Songkhla Prov., Hat Yai Dist., Nam Tok Ton Nga Chang, 5.III.1981, P. Luecha and P. Nunpakdi leg.; 3 females (THNHM-M-00005693, THNHM-M-00005696, and THNHM-M-00005697), S Thailand, Pattani Prov., Khok Pho Dist., 18.II.1978, CTNRC TEAM leg.; 2 males (THNHM-M-00005694

and THNHM-M-00005695), S Thailand, Pattani Prov., Khok Pho Dist., 18.II.1978, CTNRC TEAM leg.; 7 males (THNHM-M-00000456, THNHM-M-00000457, THNHM-M-00000458, THNHM-M-00000459, THNHM-M-00000460, THNHM-M-00000461, and THNHM-M-00000462), S Thailand, Phuket Prov., Mueang Phuket Dist., 14.XI.2009, CTNRC TEAM leg.; 1 female (THNHM-M-00000455), S Thailand, Phuket Prov., Mueang Phuket Dist., 14.XI.2009, CTNRC TEAM leg.; 1 male (THNHM-M-00007606), S Thailand, Narathiwat Prov., Tak Bai Dist., Priwan, Nam Baeng, 1.I.1988, DEB TEAM leg.; 1 female (THNHM-M-00007605), S Thailand, Narathiwat Prov., Tak Bai Dist., Priwan, Nam Baeng, 1.I.1988, DEB TEAM leg.; 2 females (THNHM-M-00007610 and THNHM-M-00007611), S Thailand, Narathiwat Prov., Tak Bai Dist., Priwan, Nam Baeng, 26.I.1988, DEB TEAM leg.; 7 males (THNHM-M-00007392, THNHM-M-00007393, THNHM-M-00007394, THNHM-M-00007395, THNHM-M-00007396, THNHM-M-00007398, and THNHM-M-00007399), S Thailand, Narathiwat Prov., Tak Bai Dist., Pa Pru Wildlife Non Hunting Area, 28.IV.1990, ERD TEAM leg.; 4 females (THNHM-M-00007397, THNHM-M-00007400, THNHM-M-00007401, and THNHM-M-00007402), S Thailand, Narathiwat Prov., Tak Bai Dist., Pa Pru Wildlife Non Hunting Area, 28.IV.1990, ERD TEAM leg.; 1 male (THNHM-M-00007387), S Thailand, Yala Prov., Than To Dist., Mae Wad; Bang Lang Dam, 6.V.1985, ERD Team leg.; 10 females (THNHM-M-00000562, (THNHM-M-00000565, THNHM-M-00000555, THNHM-M-00000556, THNHM-M-00000558, THNHM-M-00000561, THNHM-M-00000563, THNHM-M-00000566, THNHM-M-00000567, and THNHM-M-00000700), Thailand, unknown locality, date, and collector; 8 males (THNHM-M-00000557, THNHM-M-00000564, THNHM-M-00000559, THNHM-M-00000560, THNHM-M-00000710, THNHM-M-00000786, THNHM-M-00000850, and THNHM-M-00000853), Thailand, unknown locality, date, and collector; 4 sex unknown specimens (THNHM-M-00000606, THNHM-M-00000659, THNHM-M-00000660, and THNHM-M-00000661), Thailand, unknown locality, date, and collector; 1 female (THNHM-M-00000854), Thailand, unknown locality, 21.II.1991, unknown collector; 2 sex unknown specimens (THNHM-M-00006514 and THNHM-M-00006515), Thailand, unknown locality, .I.1990, TISTR TEAM leg.

Distribution. Chiang Mai, Nan, Sukhothai, Tak, Kanchanaburi, Phetchaburi, Prachuap Khiri Khan, Petchabun, Nong Khai, Loei, Chaiyaphum, Nakhon Ratchasima, Roi Et, Lopburi, Uthai Thani, Saraburi, Chachoengsao, Chanthaburi, Rayong, Trat, Phuket, Songkhla, Pattani, Narathiwat, Yala.



Figure 5. *Cynopterus sphinx* (Vahl, 1797)

Cynopterus horsfieldii* Gray, 1843 (Figure 6)*Horsfield's Fruit Bat (ค้างคาวขอบหูขาวใหญ่)**

Non-type material examined. THAILAND: 1 female (THNHM-M-00006517), NE Thailand, Roi Et Prov., Nong Phok Dist., I.1900, TISTR TEAM leg.; 1 male (THNHM-M-00006518), S Thailand, Yala Prov., Than To Dist., Mae Wad, Bang Lang Dam, 7.VI.1985, DEB TEAM leg.; 1 male (THNHM-M-0000262), S Thailand, Nakhon Si Thammarat Prov., Tha Sala Dist., 9.II.2007, Yutthapong Rassamee leg.; 1 Male (THNHM-M-00000851), Thailand, unknown locality, 20.II.1991, unknown collector.; 1 sex unknown specimens (THNHM-M-00000754), Thailand, unknown locality, unknown date, and collector.

Distribution. Roi Et, Nakhon Si Thammarat, and Yala.



Figure 6. *Cynopterus horsfieldii* Gray, 1843

Genus *Megaerops* Peters, 1865***Megaerops ecaudatus* (Temminck, 1837) (Figure 7)****Temminck's Tailless Fruit Bat (ค้างคาวขอบหูดำใต้)**

Non-type material examined. THAILAND: 11 sex unknown specimens (THNHM-M-00007406, THNHM-M-00007407, THNHM-M-00007408, THNHM-M-00007409, THNHM-M-00007410, THNHM-M-00007411, THNHM-M-00007412, THNHM-M-00007413, THNHM-M-00007414, THNHM-M-00007415, and THNHM-M-00007416), N Thailand, Chiang Mai Prov., Mueang Chiang Mai Dist., Doi Pui, 26.IX.1966, TISTR TEAM leg.; 1 male (THNHM-M-00007417), N Thailand, Chiang Mai Prov., Mueang Chiang Mai Dist., Doi Pui, 28.IX.1966, TISTR TEAM leg.; 1 sex unknown specimen (THNHM-M-00005044), W Thailand, Tak Prov., Mae Sot Dist., Khao Phra Wo, 26.I.1974, Kitti Thonglongya leg.; 3 females (THNHM-M-00005049, THNHM-M-00005050, and THNHM-M-00005051), W Thailand, Prachuap Khiri Khan Prov., Pran Buri Dist., 16.VIII.1981, T. Polpakdee and S. Sittilert leg.; 2 females (THNHM-M-00005045 and THNHM-M-00005046), W Thailand, Kancharaburi Prov., Thong Pha Phum Dist., Huai Kha Yaeng, 10–14.III.1975, CTNRC TEAM leg.; 1 male (THNHM-M-00005047), W Thailand, Kancharaburi Prov., Thong Pha Phum Dist., Huai

Kha Yaeng, 10-14.III.1975, CTNRC TEAM leg.; 2 females (THNHM-M-00005033 and THNHM-M-00005034), NE Thailand, Ubon Ratchathani Prov., Khong Chiam Dist., Ban Dan Kao, 14.XII.1972, TISTR TEAM leg.; 1 female (THNHM-M-00006465), NE Thailand, Ubon Ratchathani Prov., Khong Chiam Dist., Ban Dan Kao, 13.XII.1972, Kitti Thonglongya leg.; 3 males (THNHM-M-00005037, THNHM-M-00005038, and THNHM-M-00005039), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Ban Sakaerat, 2.VIII.1973, K. Thonglongya leg.; 4 females (THNHM-M-00005040, THNHM-M-00005041, THNHM-M-00005042, and THNHM-M-00005043), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Ban Sakaerat, 2.VIII.1973, K. Thonglongya leg.; 1 female (THNHM-M-00005052), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Ban Sakaerat, 25.VI.1981, P. Luecha and S. Sittilert leg.; 1 sex unknown specimen (THNHM-M-00005053), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Ban Sakaerat, 25.VI.1981, P. Luecha and S. Sittilert leg.; 1 sex unknown specimen (THNHM-M-00006464), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Ban Sakaerat, 12.VIII.1971, K. Thonglongya leg.; 1 female (THNHM-M-00007418), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Ban Sakaerat, 13.VIII.1971, K. Thonglongya leg.; 1 sex unknown specimen (THNHM-M-00007420), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Ban Sakaerat, 18.VIII.1971, K. Thonglongya leg.; 2 females (THNHM-M-00005031 and THNHM-M-00005032), NE Thailand, Surin Prov., Sangkha Dist., Ban Ta Tum, 24.VIII.1970, K. Thonglongya leg.; 2 females (THNHM-M-00005035 and THNHM-M-00005036), S Thailand, Trang Prov., Mueang Trang Dist., Khao Chong, 22.VI.1973, K. Thonglongya leg.; 1 female (THNHM-M-00005048), S Thailand, Trang Prov., Mueang Trang Dist., Khao Chong, 22.X.1980, J. Nabhitabhata leg.; 2 sex unknown specimens (THNHM-M-00000684 and THNHM-M-00000724), Thailand, unknown locality, date, and collector; 1 sex unknown specimens (THNHM-M-00000734), Thailand, unknown locality, 15.VIII.1992, RFD & JWRC leg.; 1 male (THNHM-M-00000764), Thailand, unknown locality, 25.III.1991, unknown collector.; 1 male (THNHM-M-00000855), Thailand, unknown locality, 21.II.1991, unknown collector.

Distribution. Chiang Mai, Tak, Prachuap Khiri Khan, Kanchanaburi, Ubon Ratchathani, Nakhon Ratchasima, Surin, and Trang.



Figure 7. *Cynopterus ecaudatus* (Temminck, 1837)

Megaerops niphanae* Yenbutra & Felten, 1983 (Figure 8)*Ratanaworabhan's Fruit Bat (ค้างคาวขอบหูดำเหนือ)**

Non-type material examined. THAILAND: 1 male (THNHM-M-00007537), N Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan; Nam Nao National Park, 22.VI.1970, ERD Team leg.; 2 females (THNHM-M-00007538 and THNHM-M-00007539), N Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan, Nam Nao National Park, 23–27.VI.1970, ERD Team leg.; 4 females (THNHM-M-00005623, THNHM-M-00006472, THNHM-M-00006473, and THNHM-M-00005674), W Thailand, Phetchaburi Prov., Tha Yang Dist., 10–12.III.1991, ERD Team leg.; 2 females (THNHM-M-00006475 and THNHM-M-00006478), NE Thailand, Nong Khai Prov., Bung Kan Dist. (now Bueng Kan Prov.), Nong Dern, Phu Wua Wildlife Sanctuary, 3.VI.1992, ERD Team leg.; 1 male (THNHM-M-00006476), NE Thailand, Nong Khai Prov., Bueng Kan Dist. [now Bueng Kan Prov], Nong Dern, Phu Wua Wildlife Sanctuary, 3.VI.1992, ERD Team leg.; 1 sex unknown specimen (THNHM-M-00006477), NE Thailand, Nong Khai Prov., Bung Kan Dist. [now Bung Kan Prov], Nong Dern, Phu Wua Wildlife Sanctuary, 3.VI.1992, ERD Team leg.; 1 sex unknown specimens (THNHM-M-00006468), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 15.VIII.1971, K. Thonglongya leg.; 1 male (THNHM-M-00006469), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 15.VIII.1971, K. Thonglongya leg.; 3 females (THNHM-M-00006470, THNHM-M-00007532, and THNHM-M-00007534), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 3–4.VIII.1973, K. Thonglongya leg.; 2 males (THNHM-M-00006471 and THNHM-M-00007533), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 4.VIII.1973, K. Thonglongya leg.; 3 females (THNHM-M-00000521, THNHM-M-00000582, and THNHM-M-00000590), Thailand, unknown locality, date, and collector; 3 sex unknown specimens (THNHM-M-00000573, THNHM-M-00000580, and THNHM-M-00000612), Thailand, unknown locality, date, and collector; 1 female (THNHM-M-00000738), Thailand, 20.VIII.1992, RFD & JWRC leg.; 1 male (THNHM-M-00000776), Thailand, unknown locality, 14.II.1992, RFD & JWRC leg.; 1 female (THNHM-M-00006467), Thailand, unknown locality, I.1990, collector; 2 sex unknown specimens (THNHM-M-00006479 and THNHM-M-00006480), Thailand, unknown locality, I.1990, unknown collector.

Distribution. Bueng Kan, Phetchabun, Phetchaburi, Nong Khai, and Nakhon Ratchasima.



Figure 8. *Megaerops niphanae* Yenbutra & Felten, 1983

Genus *Rousettus* Gray, 1821

Rousettus leschenaultia (Desmarest, 1820) (Figure 9)

Leschenault's Rousette (ค้างคาวบัวพันรี)

Non-type material examined. THAILAND: 1 sex unknown specimen (THNHM-M-00000676), unknown locality, date, and collector; 1 sex unknown specimen (THNHM-M-00007540), N Thailand, Chiang Mai Prov., Chiang Dao Dist., Tham Chiang Dao, 26.VI.1970, B. Lekagul leg.; 1 male (THNHM-M-00007653), N Thailand, Chiang Mai Prov., Chom Thong Dist., 27.VII.1978, CTNRC TEAM leg.; 2 males (THNHM-M-00004815 and THNHM-M-00005744), N Thailand, Chiang Mai Prov., San Sai Dist., Ban Huai Kaeo, 7.VIII.1981, P. Luecha and P. Nunpakhadileg leg.; 1 female (THNHM-M-00007654), N Thailand, Chiang Mai Prov., Fang Dist., Tham Phra Ngam, 17.I.1974, K. Thonglongya leg.; 1 sex unknown specimen (THNHM-M-00000257), N Thailand, Nakhon Sawan Prov., Tha Tako Dist., Bueng Boraphet, 15.IV.2006, W. Sanguansombat and Y. Rassamee leg.; 1 female (THNHM-M-00005746), W Thailand, Phetchaburi Prov., Tha Yang Dist., 13.VIII.1981, ERD Team leg.; 3 females (THNHM-M-00006540, THNHM-M-00006538, and THNHM-M-00006537), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., 28.I.1974, CTNRC TEAM leg.; 1 male (THNHM-M-00006539), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., 28.I.1974, CTNRC TEAM leg.; 1 female (THNHM-M-00005062), NE Thailand, Loei Prov., Phu Kradueng Dist., Phuan Phu, Ban Pha Ngam, Nam Tok Piang Din, 11.III.1993, ERD Team leg.; 2 males (THNHM-M-00005063 and THNHM-M-00005064), NE Thailand, Loei Prov., Phu Kradueng Dist., Phuan Phu, Ban Pha Ngam, Nam Tok Piang Din, 11.III.1993, ERD Team leg.; 1 sex unknown specimen (THNHM-M-00005738), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 24.VI.1972, TISTR TEAM leg.; 2 sex unknown specimens (THNHM-M-00005738 and THNHM-M-00005739), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 24.VI.1972, TISTR TEAM leg.; 2 sex unknown specimens (THNHM-M-00005740 and THNHM-M-00005741), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 25.VI.1972, TISTR TEAM leg.; 1 male (THNHM-M-00006541), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 24.VI.1972, TISTR TEAM leg.; 1 male (THNHM-M-00006542), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 25.VI.1972, TISTR TEAM leg.; 4 sex unknown specimens (THNHM-M-00005054, THNHM-M-00005055, THNHM-M-00005057, and THNHM-M-00005058), C Thailand, Lopburi Prov., Mueang Lopburi Dist., Tham Wat Phra That, 1.IX.1973, W. Wattanakul leg.; 1 female (THNHM-M-00005056), C Thailand, Lopburi Prov., Mueang Lopburi Dist., Tham Wat Phra That, 1.IX.1973, W. Wattanakul leg.; 2 males (THNHM-M-00007651 and THNHM-M-00007652), E Thailand, Prachinburi Prov., Ban Khao Laem, 08.IV.1974., CTNRC TEAM leg.; 1 female (THNHM-M-00007650), E Thailand, Prachinburi Prov., Ban Khao Laem, 08.IV.1974, CTNRC TEAM leg.; 1 female (THNHM-M-00005065), E Thailand, Chachoengsao Prov., Sanam Chai Khet Dist., Chachoengsao Wildlife Research Station, 19.VII.1993, ERD Team leg.; 3 males (THNHM-M-00007641, THNHM-M-00005742, and THNHM-M-00007639), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 20.I.1974, CTNRC TEAM leg.; 1 male (THNHM-M-00007647), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 19.VI.1974, CTNRC TEAM leg.; 1 female (THNHM-M-00005743), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 7.III.1981, P. Luecha leg.; 1 female (THNHM-M-00005745), S Thailand, Songkhla Prov., Hat Yai Dist., Nam Tok Ton Nga Chang, 13.VIII.1981., T. Polpakdee and S. Sittilert. leg.

Distribution. Chiang Mai, Nakhon Sawan, Phetchaburi, Loei, Nakhon Ratchasima, Saraburi, Lopburi, Prachinburi, Chachoengsao, Chanthaburi, and Songkhla.



Figure 9. *Rousettus leschenaultia* (Desmarest, 1820)

***Rousettus amplexicaudatus* (Geoffroy, 1810) (Figure 10)**

Geoffroy's Rousette (ค้างคาวบัวพันกลม)

Non-type material examined. THAILAND: 3 females (THNHM-M-00007541, THNHM-M-00007542, and THNHM-M-00007543), NE Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan, Nam Nao National Park, 22.VI.1990, ERD Team (Harada) leg.; 1 female (THNHM-M-00007541), NE Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan, Nam Nao National Park, 22.VI.1990, ERD Team (Harada) leg.; 1 female (THNHM-M-00006536), NE Thailand, Kamang, I.1900, DEB TEAM leg.

Distribution. Phetchabun and Chaiyaphum.



Figure 10. *Rousettus amplexicaudatus* (Geoffroy, 1810)

Genus *Dyacopterus* Andersen, 1912

***Dyacopterus spadiceus* (Thomas, 1890) (Figure 11)**

Dayak Fruit Bat (ค้างคาวดาเย็ค)

Non-type material examined. THAILAND: 1 sex unknown specimen (THNHM-M-00000714), Thailand, unknown locality, date, and collector.

Distribution. Unknown Province.



Figure 11. *Dyacopterus spadiceus* (Thomas, 1890)

Genus *Balionycteris* Matschie, 1899

***Balionycteris maculata* (Thomas, 1893) (Figure 12)**

Spotted-winged Fruit Bat (ค้างคาวปีกจุด)

Non-type material examined. THAILAND: 1 female (THNHM-M-00005625), S Thailand, Trang Prov., Palian Dist., Khao Bun That, 15.VIII.1993, DEB TEAM leg.

Distribution. Trang Province.



Figure 12. *Balionycteris maculata* (Thomas, 1893)

Genus *Chironax* Andersen, 1912***Chironax melanocephalus* (Temminck, 1825) (Figure 13)****Black-capped Fruit Bat (ค้างคาวหัวดำ)**

Non-type material examined. THAILAND: 2 sex unknown specimen (THNHM-M-00000281 and THNHM-M-00000282), S Thailand, Nakhon Si Thammarat Prov., 18.IV.2007, W. Sanguansombat and Y.Rassamee leg.; 1 male (THNHM-M-00002615), S Thailand, Phatthalung Prov., Tamot Dist., Nam Tok Tamot, 17.VIII.1993, ERD Team leg.; 3 females (THNHM-M-00006533, THNHM-M-00006534, and THNHM-M-00006533) S Thailand, Ranong Prov., Kapoe Dist., Khlong Nakha, 1.I.1978, S. Yenbutra leg.

Distribution. Nakhon Si Thammarat, Phatthalung, and Ranong.



Figure 13. *Chironax melanocephalus* (Temminck, 1825)

Genus *Sphaerias* Miller, 1906***Sphaerias blanfordi* (Thomas, 1891) (Figure 14)****Blanford's Fruit Bat (ค้างคาวดอย)**

Non-type material examined. THAILAND: 9 males (THNHM-M-00005080, THNHM-M-00005082, THNHM-M-00005083, THNHM-M-00005084, THNHM-M-00005085, THNHM-M-00005086, THNHM-M-00005088, THNHM-M-00006483, THNHM-M-00006485, and THNHM-M-00006486), N Thailand, Chiang Mai Prov., Chom Thong Dist., Doi Inthanon, Dong Tak Ten, 1.II.1971, K. Thonglongya leg.; 6 females (THNHM-M-00005081, THNHM-M-00005087, THNHM-M-00005089, THNHM-M-00006482, THNHM-M-00006484, and THNHM-M-00006487), N Thailand, Chiang Mai Prov., Chom Thong Dist., Doi Inthanon, Dong Tak Ten, 1–2.II.1971, K. Thonglongya leg.

Distribution. Chiang Mai.



Figure 14. *Sphaerias blanfordi* (Thomas, 1891)

Genus *Eonycteris* Dobson, 1873

***Eonycteris spelaea* (Dobson, 1871) (Figure 15)**

Lesser Dawn Bat (ค้างคาวเล็บกุด)

Non-type material examined. THAILAND: 1 male (THNHM-M-00004948), N Thailand, Chiang Mmai Prov., Fang Dist., Tham Tap Tao, 17.I.1974, K. Thonglongya leg.; 2 females (THNHM-M-00004947 and THNHM-M-00004949), N Thailand, Chiang Mai Prov., Fang Dist., Tham Tap Tao, 17.I.1974, K. Thonglongya leg.; 3 females (THNHM-M-00004938, THNHM-M-00004939, and THNHM-M-00004940), N Thailand, Chiang Rai Prov., Mae Sai Dist., Ban San Ko Pui, 5.XI.1972, K. Thonglongya leg.; 1 male (THNHM-M-00004941), N Thailand, Chiang Rai Prov., Mae Sai Dist., Ban San Ko Pui, 5.XI.1972, K. Thonglongya leg.; 2 females (THNHM-M-00004962 and THNHM-M-00004963), N Thailand, Nan Prov., Mueang Nan Dist., Tham Song Satang, 14.VII.1975, CTNRC TEAM leg.; 1 male (THNHM-M-00007443), N Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan, Nam Nao National Park, 22.VI.1990, ERD Team leg.; 1 female (THNHM-M-00004985), N Thailand, Chiang Mai Prov., San Sai Dist., Ban Huai Kaeo, 6.VIII.1981, P. Luecha and P. Nunpakdi leg.; 2 females (THNHM-M-00004984 and THNHM-M-00004991), N Thailand, Chiang Mai Prov., San Sai Dist., Ban Nong Ma-Chap, 5–9.VIII.1981, P. Luecha and P. Nunpakdi leg.; 2 females (THNHM-M-00007441 and THNHM-M-00007442), N Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan, Nam Nao National Park, 22.VI.1990, ERD Team leg.; 1 male (THNHM-M-00006547), W Thailand, Kanchanaburi Prov., Sangklaburi Dist., Khao Laem National Park, Mae Nam Ranti, 6.VIII.1993, ERD Team leg.; 1 female (THNHM-M-00006548), W Thailand, Kanchanaburi Prov., Sangklaburi Dist., Khao Laem

National Park, Mae Nam Ranti, VIII.1993, ERD Team leg.; 1 male (THNHM-M-00007426), W Thailand, Ratchaburi Prov., Chom Bueng Dist., Tham Khao Bin, 13.X.1981, Preecha Luecha leg.; 1 female (THNHM-M-00007435), W Thailand, Ratchaburi Prov., Chom Bueng Dist., Tham Khao Bin, 18.X.1981, Preecha Luecha leg.; 1 male (THNHM-M-00004944), W Thailand, Kanchanaburi Prov., Sai Yok Dist., Tham Wang Phra, 16.XII.1973, K. Thonglongya leg.; 1 female (THNHM-M-00004945), W Thailand, Kanchanaburi Prov., Sai Yok Dist., Tham Wang Phra, 16.XII.1973, K. Thonglongya leg.; 1 male (THNHM-M-00004960), W Thailand, Kanchanaburi Prov., Thong Pha Phum Dist., Huai Kha Yaeng, 13.III.1975, CTNRC Team leg.; 1 female (THNHM-M-00004961), W Thailand, Kanchanaburi Prov., Thong Pha Phum Dist., Huai Kha Yaeng, 13.III.1975, CTNRC Team leg.; 1 male (THNHM-M-00000742), NE Thailand, Nakhon Ratchasima Prov., 26.VIII.1992, RFD & JWRC leg.; 1 female (THNHM-M-00000739), NE Thailand, Nakhon Ratchasima Prov., 25.VIII.1992, RFD & JWRC leg.; 2 females (THNHM-M-00004992 and THNHM-M-00004992), NE Thailand, Chaiyaphum Prov., Khon San Dist., Ban Nam Thip, 9.VIII.1981, P. Luecha and P. Nunpakdi leg.; 1 Female (THNHM-M-00004994), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., 21.IV.1982, S. Yenbutra leg.; 1 male (THNHM-M-00007425), NE Thailand, Nakhon Ratchasima Prov., Pak Chong Dist., Khao Yai National Park, 29.VII.1974, CTNRC Team leg.; 1 male (THNHM-M-00004942), NE Thailand, Ubon Ratchathani Prov., Phibun Mangsahan Dist., Ban Don Sam Ran, 29.XII.1972, K. Thonglongya leg.; 1 male (THNHM-M-00007444), NE Thailand, Loei Prov., Phu Kradueng Dist., Phuan Phu, Ban Pha Ngam, Nam Tok Piang Din, 22.XI.1990, ERD Team leg.; 1 male (THNHM-M-00006546), NE Thailand, Loei Prov., Phu Kradueng Dist., Phuan Phu, Ban Pha Ngam, Nam Tok Piang Din, 11.III.1993, ERD Team leg.; 1 male (THNHM-M-00004967), C Thailand, Uthai Thani Prov., Ban Rai Dist., Kaen Ma Krud, E-Mard, 18.I.1975, CTNRC Team leg.; 1 female (THNHM-M-00004966), C Thailand, Uthai Thani Prov., Ban Rai Dist., Kaen Ma Krud; E-Mard, 19.I.1975, CTNRC Team leg.; 2 males (THNHM-M-00004964 and THNHM-M-00004965), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 14.VII.1975, CTNRC Team leg.; 1 female (THNHM-M-00004974), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 4.III.1971, P. Luecha and P. Nunpakdi leg.; 1 female (THNHM-M-00007423), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 4.V.1970, Boonsong Lekagul leg.; 1 male (THNHM-M-00007424), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Tap Kwang, 23.VII.1974, CTNRC Team leg.; 1 male (THNHM-M-00006545), C Thailand, Lopburi Prov., Mueang Lopburi Dist., Tham Wat Phra That, 1.IX.1973, DEB Team leg.; 1 male (THNHM-M-00004987), E Thailand, Prachinburi Prov., Kabin Buri Dist., Ban Tap Lan, 23.VII.1981, P. Luecha leg.; 3 males (THNHM-M-00004975, THNHM-M-00004976, and THNHM-M-00004981), E Thailand, Chanthaburi Prov., Pong Nam Ron Dist., Khao Soi Dao Tai, 28–29.VI.1981, P. Luecha and S. Sittilert leg.; 1 female (THNHM-M-00004977), E Thailand, Chanthaburi Prov., Pong Nam Ron Dist., Khao Soi Dao Tai, 28.VI.1981, P. Luecha and S. Sittilert leg.; 4 males (THNHM-M-00004950,

THNHM-M-00004951, THNHM-M-00004952, and THNHM-M-00004959), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 22–24.I.1974, CTNRC TEAM leg.; 6 females (THNHM-M-00004953, THNHM-M-00004954, THNHM-M-00004955, THNHM-M-00004956, THNHM-M-00004957, and THNHM-M-00004958), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 21–24.I.1974, CTNRC Team leg.; 1 male (THNHM-M-00004968), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 4.I.1975, TISTR Team leg.; 1 male (THNHM-M-00004973), E Thailand, Tha Mai Dist., Khao Wong Kot, 22.VI.1979, CTNRC Team leg.; 3 females (THNHM-M-00004978, THNHM-M-00004979, and THNHM-M-00004980), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 29.VI.1981, P. Luecha and S. Sittilert leg.; 1 female (THNHM-M-00004986), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, 9.III.1981, TISTR Team leg.; 1 male (THNHM-M-00004995), E Thailand, Chanthaburi Prov., Tha Mai Dist., Khao Wong Kot, unknown date, and collector; TISTR Team leg.; 1 male (THNHM-M-00004990), S Thailand, Songkhla Prov., Hat Yai Dist., Nam Tok Ton Nga Chang, 13.VIII.1981, T. Polpakdee and S.Sittilert leg.; 4 female (THNHM-M-00004982, THNHM-M-00004983, THNHM-M-00004988, and THNHM-M-00004989), S Thailand, Songkhla Prov., Hat Yai Dist., Nam Tok Ton Nga Chang, 13.VIII.1981, T. Polpakdee and S.Sittilert leg.; 1 male (THNHM-M-00007422), S Thailand, Pattani Prov., Khok Pho Dist., 17.IX.1959, CTNRC Team leg.; 2 males (THNHM-M-00004969 and THNHM-M-00004970), S Thailand, Phang-nga Prov., Ko Yao Dist., Koh Yao Yai, 18.III.1976, CTNRC Team leg.; 2 females (THNHM-M-00004971 and THNHM-M-00004972), S Thailand, Phang-nga Prov., Ko Yao Dist., Koh Yao Yai, 18–19.III.1976, CTNRC Team leg.; 2 males (THNHM-M-00007427 and THNHM-M-00007429), S Thailand, Ranong Prov., Mueang Ranong Dist., Ban Bang Non, 13.X.1981, P. Luecha and P. Nunpakdi leg.; 5 females (THNHM-M-00007428, THNHM-M-00007430, THNHM-M-00007431, THNHM-M-00007432, and THNHM-M-00007433), S Thailand, Ranong Prov., Mueang Ranong Dist., Ban Bang Non, 13–15.X.1981, P. Luecha and P. Nunpakdi leg.; 2 males (THNHM-M-00007434 and THNHM-M-00007436), S Thailand, Chumphon Prov., Sawi Dist., 18.X.1981, P. Luecha and P. Nunpakdi leg.; 1 female (THNHM-M-00007437), S Thailand, Chumphon Prov., Sawi Dist., 18.X.1981, P. Luecha and P. Nunpakdi leg.; 2 males (THNHM-M-00007439 and THNHM-M-00007440), S Thailand, Yala Prov., Than to Dist., Mae Wad, Bang Lang Dam, 6.VI.1985, DEB Team leg.; 1 female (THNHM-M-00004943), S Thailand, Nakhon Si Thammarat Prov., Thung Yai Dist., Ban Krung Kayan, 12.VI.1973, K. Thonglongya leg.; 1 male (THNHM-M-0000964), Thailand, unknown locality, date, and collector; 1 female (THNHM-M-0000965), Thailand, unknown locality, date, and collector.

Distribution. Chiang Mai, Chiang Rai, Nan, Phetchabun, Kanchanaburi, Ratchaburi, Nakhon Ratchasima, Chaiyaphum, Ubon Ratchathani, Loei, Uthai Thani, Saraburi, Lopburi, Prachinburi, Chanthaburi, Songkhla, Pattani, Phang-nga, Ranong, Chumphon, Nakhon Si Thammarat, and Yala.



Figure 15. *Eonycteris spelaea* (Dobson, 1871)

Genus *Macroglossus* Cuvier, 1824

***Macroglossus minimus* (Geoffroy, 1810) (Figure 16)**

Dagger-toothed Long-nosed Fruit Bat (ค้างคาวหน้ำยาวเล็ก)

Non-type material examined. THAILAND: 1 female (THNHM-M-00006549), S Thailand, Songkhla Prov., Hat Yai Dist., Ton Nga Chang Waterfall, 2.VIII.1981, K. Thonglongya leg.; 1 female (THNHM-M-00000848), Thailand, 20.II.1991, unknown locality, date, and collector; 1 male (THNHM-M-00000817), Thailand, unknown locality, date, and collector.

Distribution. Songkhla.



Figure 16. *Macroglossus minimus* (Geoffroy, 1810)

Macroglossus sobrinus* Andersen, 1911 (Figure 17)*Greater Long-nosed Fruit Bat (ค้างคาวหน้ายาวใหญ่)**

Non-type material examined. THAILAND: 1 female (THNHM-M-00006570), N Thailand, Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai National Park, 3.V.1993, S. W. leg.; 1 male (THNHM-M-00006573), N Thailand, Lampang Prov., Doi Khun Than National Park; Nam Tok Tad Vey, 2.V.1996, ERD Team leg.; 1 female (THNHM-M-00007446), N Thailand, Phetchabun Prov., Khao Kaw, Nong Mae Na, 5.III.1989, ERD Team leg.; 1 female (THNHM-M-00005008), N Thailand, Chiang Mai Prov., Chom Thong Dist., Doi Inthanon, 1.II.1971, K. Thonglongya leg.; 1 male (THNHM-M-00005012), N Thailand, Chiang Mai Prov., Chom Thong Dist., Doi Inthanon, Dong Tak Ten, 7.VIII.1971, K. Thonglongya leg.; 1 female (THNHM-M-00004996), N Thailand, Lampang Prov., Hang Chat Dist., Doi Khun Than, 25.XI.1965, C. Dickinson leg.; 1 female (THNHM-M-00005015), N Thailand, Chiang Rai Prov., Mae Chan Dist., Huai Mae Slaep, 14.XI.1972, K. Thonglongya leg.; 2 males (THNHM-M-00007447 and THNHM-M-00007448), N Thailand, Phetchabun Prov., Nam Nao Dist., Lak Dan, Nam Nao National Park, 22.VI.1990, ERD Team leg.; 1 male (THNHM-M-00006569), N Thailand, Sukhothai Prov., Si Satchanalai Dist., Si Satchanalai National Park, 3.V.1993, S.W. leg.; 1 sex unknown specimens (THNHM-M-00008121), W Thailand, Kanchanaburi Prov., Sangkhla Buri Dist., TYW Sa Nae Prong, 27.XII.2019, Dome Pratumthong leg.; 3 males (THNHM-M-00005748, THNHM-M-00006558, and THNHM-M-00006561), W Thailand, Phetchaburi Prov., Tha Yang Dist., 11–12. III.1991, ERD Team leg.; 3 females (THNHM-M-00006557, THNHM-M-00006559, and THNHM-M-00006560), W Thailand, Phetchaburi Prov., Tha Yang Dist., 10–11.III.1991, ERD Team leg.; 1 male (THNHM-M-00000782), NE Thailand, Nakhon Ratchasima Prov., 1.III.1993, RFD & JWRC leg.; 1 female (THNHM-M-00005009), NE Thailand, Nakhon Ratchasima Prov., Pak Thong Chai Dist., Sakaerat, 16.VIII.1971, K. Thonglongya leg.; 1 male (THNHM-M-00006562), NE Thailand, Loei Prov., Phu Kradueng Dist., 15.III.1993, ERD Team leg.; 1 female (THNHM-M-00006563), NE Thailand, Loei Prov., Phu Ruea Dist., Phu Luang Wildlife Research Center, 17.III.1993, ERD Team leg.; 1 male (THNHM-M-00006564), NE Thailand, Loei Prov., Phu Ruea Dist., Phu Luang Wildlife Research Center, 18.III.1993, ERD Team leg.; 1 sex unknown specimen (THNHM-M-00006567), NE Thailand, Loei Prov., Phu Ruea Dist., Phu Luang Wildlife Research Centre, 18.III.1993, ERD Team leg.; 1 female (THNHM-M-00006574), C Thailand, Uthai Thani Prov., I.1900, TISTR Team leg.; 1 female (THNHM-M-00005030), C Thailand, Uthai Thani Prov., Ban Rai Dist., I.1900, CTNRC Team leg.; 1 male (THNHM-M-00005029), C Thailand, Uthai Thani Prov., Ban Rai Dist., Kaen Ma Krud, I.1900, TISTR Team leg.; 3 males (THNHM-M-00005020, THNHM-M-00005022, and THNHM-M-00005023), C Thailand, Uthai Thani Prov., Ban Rai Dist., Kaen Ma Krud, E-Mard, 17.I.1975, CTNRC Team leg.; 3 females (THNHM-M-00005019, THNHM-M-00005021, and THNHM-M-00005024), C Thailand, Uthai Thani Prov., Ban Rai Dist., Kaen Ma Krud; E-Mard, 17.I.1975, CTNRC

Team leg.; 1 female (THNHM-M-00005026), C Thailand, Uthai Thani Prov., Ban Rai Dist., Kaen Ma Krud; E-Mard, 19.VI.1975, CTNRC Team leg.; 1 male (THNHM-M-00005006), C Thailand, Saraburi Prov., Kaeng Khoi Dist., Phu Nam Tok Kwang, 12.VII.1970, TISTR Team leg.; 1 male (THNHM-M-00005006), E Thailand, Chanthaburi Prov., Khlung Dist., Bang Chan, 24.VIII.1975, CTNRC Team leg.; 1 female (THNHM-M-00005010), E Thailand, Chanthaburi Prov., Pong Nam Ron Dist., Khao Soi Dao Tai, 24.VIII.1971, J.T. Marshall leg.; 1 female (THNHM-M-00005013), E Thailand, Chanthaburi Prov., Pong Nam Ron Dist., Khao Soi Dao Tai, 23.XI.1971, K. Thonglongya leg.; 1 female (THNHM-M-00005028), S Thailand, Pattani Prov., Khok Pho Dist., Bang Chan, 17.VIII.1979, CTNRC Team leg., 2 females (THNHM-M-00006550 and THNHM-M-00006551), S Thailand, Pattani Prov., Khok Pho Dist., Bang Chan, 17.VIII.1979, S. Yenbutra leg.; 4 males (THNHM-M-00004997, THNHM-M-00004999, THNHM-M-00005000, and THNHM-M-00005001), S Thailand, Ranong Prov., Mueang Ranong Dist., Ban Bang Non, 20-29.X.1966, K. Thonglongya leg.; 1 female (THNHM-M-00004998), S Thailand, Ranong Prov., Mueang Ranong Dist., Ban Bang Non, 29.X.1966, K. Thonglongya leg.; 1 female (THNHM-M-00005016), S Thailand, Ranong Prov., Mueang Ranong Dist., Ban Bang Non, 31.III.1973, K. Thonglongya leg.; 2 males (THNHM-M-00005002 and THNHM-M-00005003), S Thailand, Satun Prov., Mueang Satun Dist., Wang Bla Chan, 1.VII.1967, K. Thonglongya leg., 2 females (THNHM-M-00005004 and THNHM-M-00005005), S Thailand, Satun Prov., Mueang Satun Dist., Wang Bla Chan, 1.VII.1967, K. Thonglongya leg.; 1 female (THNHM-M-00005017), S Thailand, Trang Prov., Mueang Trang Dist., Khao Chong, 27.VI.1973, K. Thonglongya leg.; 1 male (THNHM-M-00005018), S Thailand, Trang Prov., Mueang Trang Dist., Khao Chong, 28.VI.1973, K. Thonglongya leg.; 1 male (THNHM-M-00006571), S Thailand, Trang Prov., Palian Dist., Khao Ban That Wildlife Sanctuary, Nam Tok Ton-Te, 14.VIII.1993, DEB Team leg.; 2 males (THNHM-M-00006555 and THNHM-M-00006556), S Thailand, Yala Prov., Than To Dist., Mae Wad; Bang Lang Dam, 11.V.1985, DEB Team leg.; 7 sex unknown specimens (THNHM-M-00000502, THNHM-M-00000603, THNHM-M-00000502,



Figure 17. *MacroGLOSSUS sobrinus* Andersen, 1911

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