

Catalogue of Type Specimens of Amphibians and Reptiles in the Natural History Museum, National Science Museum, Thailand

Tanya Chan-ard* and Sunchai Makchai

*Natural History Museum, National Science Museum, Thailand,
Technopolis, Khlong 5, Khlong Luang, Pathum Thani 12120 Thailand*

ABSTRACT: An account is given of the type-specimens (holotypes and paratypes) of amphibians and reptiles in the Thailand Natural History Museum (THNHM), National Science Museum (NSM), Thailand. Detailed information is given on the specimens, their labeling and reference. Ten species of toads and frogs (Megophryidae, Bufonidae, Dicroglossidae, Rhacophoridae and Ranidae), sixteen species of lizards (Agamidae, Gekkonidae, Dibamidae and Scincidae) and three species of snakes (Colubridae) are enumerated. The species are listed alphabetically.

KEY WORDS: nomenclature, type specimens, type localities, collection, Thailand Natural History Museum, National Science Museum.

INTRODUCTION

The Natural History Museum (THNHM) at the National Science Museum (NSM), Thailand in Pathum Thani Province, Thailand, maintains the largest collection of amphibian and reptile type specimens in Thailand that is one of the most important collections in Asia. This is largely due to the activity of Dr. Jarujin Nabhitabhata (1949-2008), who was an avid collector and taxonomist of these vertebral groups in Thailand. When he moved from the Thailand Institute of Scientific Research and Technology (TISTR) to THNHM in 1995, the whole collection of amphibians and reptiles

in TISTR was also transferred to THNHM. The type specimens of his descriptions of new species at THNHM and the works of other well-known herpetologists are catalogued here.

The species are listed alphabetically. The updated nomenclature, reference, collection numbers, original names and numbers, type localities, collectors' names and the dates of collection are reported.

The numbers of types in this text of named forms of amphibians and reptiles are listed in Table 1.

*Corresponding author.
E-mail: tanya@nsm.or.th

Table 1. Named amphibians and reptiles represented by type specimens in the Natural History Museum, National Science Museum, Thailand.

	Holotypes	Paratypes	Totals
Frogs	5	31	36
Lizards	7	25	32
Snakes	4	1	5
Totals	16	57	73

SPECIES ACCOUNTS:**AMPHIBIA****ANURA*****Ansonia kraensis*** Matsui, Khonsue and Nabhitabhata, 2005*Zoological Science* 22: 809-814.**Paratypes:** 3 specimens (THNHM 03239 adult female, THNHM 03240 adult male and THNHM 03241 juvenile female).

Locality: Punyaban Waterfall, Ranong Province.

Collector: Wichase Khonsue; 4 to 5 December 2004.

Ansonia inthanon Matsui, Nabhitabhata and Panha, 1998*Herpetologica* 54(4): 448-454.**Holotype:** 1 specimen (THNHM 19999, adult male).

Original number: TNSM 51-001.

Locality: Siriphum Waterfall, Doi Inthanon, Chiangmai Province, Thailand.

Collector: Masafumi Matsui; 2 August 1994.

Paratype: 1 specimen (THNHM 20000).

Original number: TNSM 51-002.

Locality: same data as the holotype.

Collector: same data as the holotype.

Fejervarya triora Stuart, Chan-ard, Chuaynkern, and Inger, 2006*Fieldiana Zoology* New Series (2006)No.111: 11-15.**Holotype:** 1 specimen (THNHM 05325 adult female).

Locality: Headquarters of Phu Jong-Na Yoi National Park, Na Chaloe District, Ubon Ratchatani Province, Thailand.

- Collector: Yodchaiy Chuaynkern, Bryan L. Stuart, Chatchay Chuechat and Sunchai Makchai, 12 September 2004.
Paratypes: 9 specimens (THNHM 05354, 05360, 05372 adult female): (THNHM 05358, 05361, 05362, 05365, 05368, 05376 immature).
Locality: same data as holotype.
Collector: same data as holotype.

Huia absita Stuart and Chan-ard, 2005

Copeia, 2005(2): 79-289.

- Paratype:** 1 specimen (THNHM 00217 adult male).
Locality: Xe Sap National Biodiversity Conservation Area, Samoy District, Saravan Province, Laos PDR.
Collector: Tanya Chan-ard, 25 February 1999.

Hylarana khalam (Stuart, Orlov and Chan-ard, 2005)

The Raffles Bulletin of Zoology (2005) 53(1): 125-131.

Original name: *Rana khalam*

- Paratypes:** 11 specimens (THNHM 00219, 00220, 00221, 00222, 00223; adult male, THNHM 00224, 00225, 00226, 00227, 00228, 00229 adult female).
Locality: Xe Sap National Biodiversity Conservation Area, Samoy District, Saravan Province, Laos PDR.
Collector: Tanya Chan-ard, 27 February 2003.

Leptobranchium smithi Matsui, Nabhitabhata and Panha, 1999

Japanese Journal of Herpetology 18(1): 19-29.

- Holotype:** 1 specimen (THNHM 19997, adult male).
Original number: NHMT –A001.
Locality: Ton Nam Plu Waterfall, Khao Chong, Trang Province, Thailand.
Collector: Masafumi Matsui; 16 January 1997.
Paratype: 1 specimen (THNHM 19998, adult male).
Original number: NHMT –A010.
Locality: same data as the holotype.
Collector: same data as the holotype.

Megophrys lekaguli Stuart, Chan-ard, Chuaynkern, and Inger, 2006

Fieldiana Zoology New Series (2006), No.111: 3-8.

- Holotype:** 1 specimen (THNHM 05320 adult male).
Locality: Huay Kong Mou Now, Pang Si Da National Park, Muang Sa Kaeo District, Sa Kaeo Province, Thailand.

Collector: Yodchaiy Chuaynkern, Bryan L. Stuart, Chatchay Chuechat and Sunchai Makchai, 23 September 2004.

Odorrana aureola Stuart, Chuaynkern, Chan-ard and Inger, 2006

Filddiana Zoology New Series (2006) No.111: 1-11.

Holotype: THNHM 05341 adult male.

Locality: Phu Luang Wildlife Sanctuary, Phu Ruea District, Loei Province, Thailand.

Collector: Yodchaiy Chuaynkern, Bryan L. Stuart, Chatchay Chuechat and Sunchai Makchai, 3 September 2004.

Paratypes: 4 specimens (THNHM 05351 adult female, THNHM 05352 adult female, THNHM 05350 immature female, THNHM 05353 immature female).

Locality: same data as holotype.

Collector: same data as holotype.

Quasipaa fasciculispina (Inger, 1970)

Original name: *Rana fasciculispina* Inger, 1970

Filddiana Zoology 51(14): 169-174.

Holotype: THNHM 20217, adult male.

Original number: 513- 1385.

Locality: Khao Soi Dao, Chantaburi Province, Thailand.

Collector: Mr. Boonak , National Center for Reference Collection of Thailand, 5 July 1961.

Theloderma licin McLeod and Ahmad, 2007

Russian Journal of Herpetology 2007 (14)1: 65-72.

Paratype: 1 specimen (THNHM 01468 adult male).

Locality: Khao Luang Natinal Park, Nob Pi Tam District, Nakhon Si Thammarat Province, Thailand.

Collector: David S. McLeod, 17 July 2003

REPTILIA

SQUAMATA

SAURIA

Cnemaspis chanardi L. Grismer, Sumontha, Cota, J. Grismer, Wood Jr., Pauwels and Kunya, 2010

Zootaxa (2010) 2576: 16-24.

Holotype : 1 specimen (THNHM 06983 adult male).

- Locality:** Ban Chong, Nayong District, Trang Province, Thailand.
- Collector:** Tanya Chan-ard, 22 June 2005.
- Paratypes:** 7 specimens (THNHM 12434, locality: Khao Nor Chuchi, Khlong Thom District, Krabi Province, Thailand, collector: Tanya Chan-ard, 1996; THNHM 01334-35, locality: Khao Luang NP., Lan Saka District, Nakhon Si Thammarat Province, Thailand, collectors: Tanya Chan-ard & Yodchaiy Chuaynkern, 8 May 24003; THNHM 14111, locality: Khao Luang NP., Lan Saka District, Nakhon Si Thammarat Province, Thailand, collectors: Tanya Chan-ard & Yodchaiy Chuaynkern, 6 December 2003; THNHM 10705, locality: Krung Nang Waterfall, Khao Nan NP., Nopphitam District, Nakhon Si Thammarat Province, Thailand, collectors: Tanya Chan-ard, Sunchai Makchai, Suttinee Laoteaw & Michael Cota, 6 December 2006; THNHM 10115, locality: Huay Lak, Khao Nan NP., Nopphitam District, Nakhon Si Thammarat Province, Thailand, collectors: Tanya Chan-ard, Sunchai Makchai, Suttinee Laoteaw & Michael Cota, 22 October 2006; THNHM 10135, locality: Khao Nan NP., Tha Sala District, Nakhon Si Thammarat Province, Thailand, collectors: Tanya Chan-ard, Sunchai Makchai, Suttinee Laoteaw & Michael Cota, 23 October 2006; THNHM 10283, locality: Ban Yod Leong, Nopphitam District, Nakhon Si Thammarat Province, Thailand, collectors: Tanya Chan-ard and Yodchaiy Chuaynkern, 14 December 2003.

Cnemaspis narathiwatensis L. Grismer, Sumontha, Cota, J. Grismer, Wood JR., Pauwels and Kunya, 2010

Zootaxa (2010) 2576: 42-46.

- Holotype:** 1 specimen (THNHM 01436 adult male).
- Locality:** Waeng District, Narathiwat Province, Thailand.
- Collectors:** Tanya Chan-ard and Yodchaiy Chuaynkern, 13 March 2002.
- Paratypes:** 2 specimens (THNHM 01338 adult female, locality: Waeng District, Narathiwat Province, Thailand, collector: Tanya Chan-ard & Yodchaiy Chuaynkern, 13 March 2002; THNHM 12435 adult male, locality: Bang Lang NP., Bannang Sata District, Yala Province,

Thailand, collector: Tanya Chan-ard and Yodchaiy Chuaynkern, 17 June 2002).

Cnemaspis punctatonuchalis L. Grismer, Sumontha, Cota, J. Grismer, Wood JR., Pauwels and Kunya, 2010

Zootaxa (2010) 2576: 38-42.

Holotype: 1 specimen (THNHM 02001, adult male).

Locality: Huay Yang National Park, Thap Sakae District, Prachuap Khiri Khan Province, Thailand.

Collector: Yodchaiy Chuaynkern, 28 May 2000.

Paratype: 1 specimen (THNHM 01899 adult male).

Locality: Huay Yang NP., Thap Sakae District, Prachuap Khiri Khan Province, Thailand.

Collector: Yodchaiy Chuaynkern, 25 May 2000.

Cnemaspis vandeventeri L. Grismer, Sumontha, Cota, J. Grismer, Wood JR., Pauwels and Kunya, 2010

Zootaxa (2010) 2576: 24-29.

Holotype: 1 specimen (THNHM 08261 adult male).

Locality: Khlong Naka WS., Kapur District, Ranong Province, Thailand.

Collector: Yodchaiy Chuaynkern, 29 December 2000.

Paratype: 1 specimen (THNHM 08260 adult female).

Locality: Khlong Naka WS., Kapur District, Ranong Province, Thailand.

Collector: Yodchaiy Chuaynkern, 29 December 2000.

Cyrtodactylus auribalteatus Sumontha, Panitvong and Deenin, 2010

Zootaxa (2010) 2370: 53-64.

Holotype : 1 specimen (THNHM 15901 adult male).

Locality: Phra Wang Daeng, Thung Salang Luang, Phitsanulok Province, Thailand.

Collector: Kritsada Deenin, 7 April 2008.

Paratype: 1 specimen (THNHM 15902 adult female).

Locality: same data as holotype.

Collector: same data as holotype.

Cyrtodactylus interdigitalis Ulber, 1993.

Mitt. Zool. Mus. Berl. (1993) 2: 187-200.

Paratypes: 4 specimens (THNHM 20226-20229).

Original numbers: TNRC 52-3876, 52-3878, 52-3879 and 52-3880.

Locality: Tham Yai Nam Nao, Nam Nao District, Petchabun Province, Thailand.
Collector: Jarujin Nabhitabhata; 10 March 1991.

Cyrtodactylus jarujini Ulber, 1993.

Mitt. Zool. Mus. Berl. (1993) 2: 187-200.

Paratypes: 2 specimens (THNHM 20463, 20465).

Original numbers: TNRC 52-3882 and 52-3883.

Locality: Nong Dern Subdistrict, Bung Kan District, Nongkhai Province (now Bung Kan Province), Thailand.

Collector: Jarujin Nabhitabhata; 2 June 1991.

Cyrtodactylus surin Chan-ard and Makchai, 2011

The Thailand Natural History Museum Journal 5(1): 7-15.

Holotype: 1 specimen (THNHM 9527).

Locality: Surin Islands, Phang-nga Province, Thailand.

Collectors: S. Makchai and B. Chantasawan.

Paratypes: 1 adult male (THNHM 9526) and 1 adult female (THNHM 9528).

Locality: Same data as holotype.

Collectors: Same data as holotype.

Davewakeum miriamae Heyer, 1972

Fieldiana Zoology 58(10): 109-129.

Holotype: 1 specimen (THNHM 20240).

Original number: FMNH 182545.

Locality: Khao Saton, 300 m. above the Kasetsart University Forestry Station, 60 km. S of Kakhon Ratchasima on Highway 304, Pakthonchai District (now Wang Namkieo District), Nakhon Ratchasima Province, Thailand.

Collector: Sukhum Pongsapipathana, 27 August, 1969.

Dibamus somsaki Honda, Nabhitabhata, Ota and Hikida, 1977

The Raffles Bulletin of Zoology (1997) (2): 275-279.

Holotype: 1 specimen (THNHM 00434).

Locality: Khao Soi Dao Wildlife Sanctuary, Chanthaburi Province, Thailand.

Collector: Jarujin Nabhitabhata, 23 December 1995.

Gekko lauhachindai Panitvong, Sumontha, Konlek and Kunya, 2010

Zootaxa (2010) 2671: 40-52.

Holotype: 1 specimen (THNHM 15903 adult male).

Locality: Sub Cha-om Cave, Chalermphrakiat District, Saraburi Province, Thailand.
 Collectors: Nattakan Suttanon and Wut Taksintum, 23 June 2009.

Gekko taylori Ota & Nabhitabhata, 1991

Copeia 1991(2): 503-509.

Holotype: 1 specimen (THNHM 20010, adult male).

Original name: TNRC 52-3794.

Locality: Petchabun Province, Thailand.

Collector: Jarujin Nabhitabhata; September, 1977.

Jarujinia bipedalis Chan-ard, Makchai and Cota, 2011

The Thailand Natural History Museum Journal 5(1): 17-24.

Holotype: 1 specimen (THNHM 15410, sex not determined).

Locality: Ban Pu Nam Ron, Suan Pung District, Ratchaburi Province, Thailand.

Collector: Tanya Chan-ard; November, 1987.

Larutia nubisilvicola Chan-ard, Cota, Makchai and Lhaotaew, 2011

The Thailand Natural History Museum Journal 5(1): 57-65.

Holotype: 1 specimen (THNHM 11799 adult female).

Locality: San Yen, Khao Nan, Nopphitam, Nakhon Si Thammarat Province, Thailand.

Collectors: Tanya Chan-ard, Michael Cota, Sunchai Makchai and Suttinee Lhaotaew, 20 April 2007.

Paratypes: 3 specimens (THNHM 11797, female; THNHM 11798, male; THNHM 11800, female).

Locality: data same as holotype.

Collectors: data same as holotype.

Mantheyus phuwuaensis (Manthey & Nabhitabhata, 1991)

Original name: *Ptyctolaemus phuwuaensis* Manthey and Nabhitabhata, 1991

Sauria, Berlin 13(4): 3-6.

Paratypes: 3 specimens (THNHM 20237-20239).

Original numbers: TNRC 52-3857, 52-3858 and 52-3859.

Locality: Phu Wua, Nong Dern Subdistrict, Bung Kan District, Nongkhai Province (now Bung Kan Province), Thailand.

Collectors: Jarujin Nabhitabhata, December, 1990.

Pseudocalotes khaonanensis Chan-ard, Cota, Makchai and Laoteow, 2008

The Thailand Natural History Museum Journal (2008) 3(1): 25-32.

Holotype: 1 specimen (THNHM 11791 adult male).

- Locality: San Yen, Khao Nan, Nopphitam, Nakhon Si Thammarat Province, Thailand.
Collectors: Tanya Chan-ard, Sunchai Makchai and Suttinee Laoteow, 18 April 2007.
Paratype: 1 specimen (THNHM 11792 juvenile).
Locality: same data as holotype.
Collector: same data as holotype.

Tropidophorus hangnam Chauyknern, Nabhitabhata, Inthara, Kamsook and Somsri, 2005

The Thailand Natural History Museum Journal (2005) 1(2): 165-175.

- Holotype:** 1 specimen (THNHM 05776 adult male).
Locality: Phu Khiew Wildlife Sanctuary, Khon San District, Chaiyaphum Province, Thailand.
Collectors: Kittisak Somsri and Samai Pissanu, 2004.
Paratypes: 9 specimens (THNHM 05777 adult female, THNHM 05778 adult female, THNHM 05779 adult female, THNHM 05780 Adult female, THNHM 05781 adult female, THNHM 05782 Adult female, THNHM 05783 adult female, THNHM 05784 adult female, THNHM 05785 adult female, locality and collectors: same data as holotype).

Tropidophorus latiscutatus Hikida, Orlov, Nabhitabhata and Ota, 2002

Current Herpetology (2002) 21(1): 11-14

- Holotype:** 1 specimen (THNHM 05830 adult male).
Original no.: TNHM-R 60001.
Locality: Phu Wua Wildlife Sanctuary, Nong Khai Province, Thailand.
Collectors: Jarujin Nabhitabhata, M. Mutsui, M. Ota, M. Toda and K.Araya, 21 October 1996.
Paratypes: 4 specimens (THNHM 05826 adult female, THNHM 05827 adult female, THNHM 05828 adult female, THNHM 05829 adult male, locality and collectors: same data as holotype).
Original no.: TNHM-R 60002 (KUZ R40258); TNHM-R 60003 (KUZ R40370); TNHM-R 60004 (KUZ R40373); TNHM-R 60005 (KUZ R40257).

Tropidophorus matsuii Hikida, Orlov, Nabhitabhata and Ota, 2002

Current Herpetology (2002) 21(1): 14-16.

- Holotype:** 1 specimen (THNHM 05825 adult male).
Original no.: TNHM-R 60006 (KUZ R40540).

Locality: Phu Pha Nam Thip, Roi Et Province, Thailand.
 Collectors: Jarujin Nabhitabhata, M. Mutsui, M. Ota, M. Toda and K. Araya, 25 October 1996.

SERPENTES

Boiga sangsomi Nutaphand, 1985

Thai Zoological Centre, Bangkok 1(1): 3-6.

Holotype: 1 specimen (THNHM 15520 adult male).

Locality: Ban Khao Phanom, Khao Phanom District, Krabi Province, Thailand.

Collector: Boontor Sangmahasom, 13 June 1983.

Opisthotropis maculosa Stuart and Chuaynkern, 2007

Current Herpetology (2007) 26: 3-40.

Holotype: 1 specimen (THNHM 05343 Adult male).

Locality: Phu Wua Wildlife Sanctuary, Nong Khai Province, Thailand.

Collectors: Yodchaiy Chuaynkern, Sunchai Makchai, Chatchaiy Chuechat and Bryan L. Stuart, 7 September 2004.

Oreorhis porphyraceus coxi (Schulz & Helfenberger, 1998)

Original name: *Elaphe porphyracea coxi* Schulz & Helfenberger, 1998 *Sauria, Berlin* 20(1): 25-45.

Paratype: 1 specimen (THNHM 00435).

Original number: CTNRC 03771.

Locality: Phu Luang, Phu Rue District, Loei.

Collector: Tanya Chan-ard; 1990.

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