THE HERPETOLOGICAL TYPE SPECIMENS OF THE MUSEUM ZOOLOGICUM BOGORIENSE COLLECTION

Djoko T. Iskandar1 & Mumpuni2

1Department of Biology, Faculty of Mathematics and Natural Sciences, Institut Teknologi Bandung, 10 Jalan Ganesa, Bandung 40132, Indonesia
Email: iskandar@bi.itb.ac.id.
2Zoology Division, Research Center for Biology, Indonesian Institute of Sciences, Jl. Raya Bogor Jakarta Km 46, Cibinong 16911 Indonesia.
Email: mzb@indo.net.id.

ABSTRACT.– An annotated checklist of the herpetological type specimens of the Museum Zoologicum Bogoriense is presented. A total of 28 holotypes, three syntypes and 176 paratypes (representing 59 specific and/or subspecific names) are housed in the MZB collection. A number of types representing six forms are at present temporarily located in European and Australian museums. Two paratypes (of Tropidonophis multiscutellatus) are destroyed and three others missing. Two holotypes (of Typhlops soensis and Emydura branderhosti) are considered missing. The holotype of Leucocephalon yuwonoi did not arrive at the MZB collection and is destroyed. Nonetheless, MZB is one of the largest repository of herpetological types among the museums in south-east Asia.

KEYWORDS.– Catalogue, Amphibians, reptiles, type specimen, Museum Zoologicum Bogoriense, Cibinong, Indonesia.

INTRODUCTION

Some of the zoological type specimens in the Museum Zoologicum Bogoriense (MZB), Research and Development Centre for Biology, Indonesian Institute of Sciences have been published (Somadikarta et al., 1964, 1965, 1966, 1968, 1970). The collection was started in the year 1894, and served at that time as temporary depository for material destined for museums in the Netherlands, particularly in Leiden and Amsterdam. For this reason, a number of types cannot be found, although the original description clearly specified that the types will be deposited in the MZB collection. Despite lacking an eminent herpetologist for nearly 40 years, the collection still harbours many historical specimens associated with the work of Ouwens, de Rooij and van Kampen, as well as those from Kopstein and de Jong. The oldest herpetological specimen is a Meristogenys kinabaluensis deposited just after the museum was built and probably resulted from an exchange with ZRC (Hanitsch, 1900). De Rooij visited New Guinea, although her work covered all Indonesian reptiles, based on museum collections from all over the world. However, van Kampen apparently never visited Indonesia. Hence few specimens in the MZB collection actually collected by de Rooij (i.e., Tribolonotus novaeguineae) and none by van Kampen. At present, the MZB collection can be considered the largest and most complete collection in the world for amphibians of Sumatra, Java, and Sulawesi, as well as Borneo, especially in the representation of species but not in the number of specimens. Unfortunately the reptile collection is not as comprehensive as the amphibians. During the period 1976-1978, the first author worked at this institution, tracing and making a list of all herpetological type specimens. This work is now been completed with the addition of types acquired recently. In addition, we also include some type specimens, which were previously in the MZB collection, but are known to have been sent to several institutions, either for examination or long-term loan after World War II, but for some reason, were never returned. In cases where more information is needed, a complete list of the amphibian and
snake types for south-east Asia can be consulted (Iskandar and Colijn, 2000, 2002).

In recent years, the progress of collections all over the world, including Indonesia has become more controlled by local legislation. On one hand, the species-rich Third World nations are pressured by those in the First World to preserve biodiversity. On the other, many leading scientists and museums still obtain specimens illegally, either through field collections or from the herpetocultural trade. According to the Indonesian regulation, imposed in 1970 by the Indonesian Institute of Sciences as the only authoritative institution, holotypes and about 40-50% of all recent collection including paratypes should be shared with Indonesian government institutions. This regulation was enforced later by Presidential Decree No. 100/1993, chapter 2.2, which stipulates that all foreigner who wish to conduct research in Indonesia must have a written permit, issued by the head of Indonesian Institute of Sciences. This decree implied by a new regulation issued by the Indonesian Institute of Sciences, also stipulates that every holotype and 50% of other specimens including the paratypes should be deposited in an Indonesian government institution. As some unauthorized collections are being made and illegal trade cannot be stopped, several leading museums retain specimens collected during or after 1993.

In the present catalogue, the original designation of the species is mentioned in the first row. The current valid name will follow the original description name, if different compared to the original combination. Only the holotype or syntypes are mentioned in each species, whether it is deposited in MZB or not. Paratypes are only mentioned for the MZB specimens.

Abbreviations of systematic institutions are as follows:
- AMNH: American Museum of Natural History, New York
- AMS: Australian Museum, Sydney
- FMNH: Field Museum of Natural History, Chicago
- MCZ: Museum of Comparative Zoology, Harvard University, Cambridge, MA
- MZB: Museum Zoologicum Bogoriense, Bogor
- RMNH: Nationaal Natuurhistorisch Museum, Leiden (formerly Rijksmuseum van Natuurlijke Historie, Leiden), the Netherlands
- SMF: Forschungsinstitut und Natur-Museum, Senckenberg, Frankfurt am Main
- UF: Florida State Museum, Gainesville
- UPNG: University of Papua New Guinea, Port Moresby
- ZRC: Raffles Museum of Biodiversity Research, National University of Singapore, Singapore
- WAM: Western Australian Museum, Perth
- ZFMK: Zoologische Forschungsinstitut und Museum König, Bonn
- ZIP: Zoological Institute, St. Petersburg
- ZMA: Zoologisch Museum, Amsterdam
- ZMB: Zoologische Museum, Universität Humbolt, Berlin

LIST OF HERPETOLOGICAL TYPES

Class: Amphibia
Order: Anura
Family: Bombinatoriidae
Genus: Barbourula Taylor & Noble, 1924
Holotype.- MZB Amph. 2330, 1 ex., adult male, Nangah Sayan, Pinoh River, 33 km South of Nangah Pinoh, West Kalimantan at about 100 m asl., by S. Wirjoatmodjo and T.R. Roberts - Smithsonian Exp. coll, 1976.
Note.- Up to present, only two specimens, one of each sex, are known. The second specimen is in ZRC (Iskandar, 1995).

Family: Bufonidae
Genus: Bufo Laurenti, 1768
Bufo kumquat Das & Lim, 2001
(Holotype.- ZRC 1.3137 from 0.63 km from 35 km point on Sungai besar Tanjung Malim Road, Sabak Bernam, North Selangor, Malaysia, by K. K. P. Lim, on 18-IX-1992).
Paratype.- MZB Amph. 4374 (ex. ZRC 1.3584) 1 ex, adult male, from north Selangor, Malaysia, by H. H. Tan, on 18-IX-1992.

Family: Limnodynastidae (Myobatrachidae)
Genus: Limnodynastes Fitzinger, 1843
Phanerotis novae-guineae van Kampen, 1909
Current status.- Limnodynastes convexiusculus (Macleay, 1877)
Syntype.- MZB Amph. 223 (ex. 353), 1 ex., sex undetermined, south-west Papua (formerly Irian Jaya), by J. W. R. Koch, on 19-I-1905.

Note.- Originally, MZB had all the specimens, but our catalogue note that one of them was exchanged with the MCZ (on behalf of E. H. Taylor in 1923) and another with E. H. Taylor’s private collection on the same occasion. The specimen from the E. H. Taylor collection is now in FMNH. Daan and Hillenius (1966) stated that one of the syntype is in their collection, one probably in MCZ (that exchanged by E. H. Taylor in 1923). One other is in AMS (Cogger, et al., 1983), and the two other specimens unknown. Therefore, the repository of all specimens (five), originally used to describe this form are now known.

Family: Microhylidae
Subfamily: Asterophryinae
Genus: Hylophorbus Macleay, 1898
Hylophorbus sextus Günther, 2001
Holotype.- MZB Amph. 6918, from Headwater of Wapoga river, Papua (3º0 86' 87"S and 136º 34' 42"E) Wapoga Alpha Exploration Camp at 1070 m asl. by S. R. Richards, 9-IV-1998.

Genus: Xenobatrachus Peters and Doria, 1878
Xenobatrachus schijenhoeveli Blum and Menzies, 1988
(Holotype.- UPNG 7399, Munggona, Eipomek Valley, Papua, 1800 m asl., by J.P. Blum)
Paratype.- MZB Amph. 2801, 1 ex., Munggona, Eipomek Valley, Papua at 1800 m asl., by J. P. Blum, on IV-VI 1976.

Genus: Xenobatrachus multisica Blum and Menzies, 1988
(Holotype.- UPNG 7405, Munggona, Eipomek Valley, Papua, 1800 m asl., by J. P. Blum)
Paratypes.- MZB Amph. 2800 a,b,c,d,e, 5 ex., Munggona, Eipomek Valley, Papua at 1800 m asl., by J. P. Blum, on IV-VI 1976.

Genus: Xenorhina Peters, 1863
Xenorhina eiponis Blum and Menzies, 1988
(Holotype.- UPNG 7407, Base Camp, Eipomek Valley, Papua, 1800 m asl., by J.P. Blum)
Paratype.- MZB Amph. 2803, Munggona, Eipomek Valley, Papua at 1800 m asl., by J. P. Blum, on VI-1979.

Subfamily: Genyophryinae
Genus: Austrochaperina Fry, 1912
Austrochaperina blumi Zweifel, 2000
Holotype.- MZB Amph. 3562 (ex. UPNG 9538, J.P. Blum 1979-59), from Kosarek, at 1400 m asl., Jayawijaya District, Papua, by J. P. Blum, on VII-1979
Austrochaperina derongo Zweifel, 2000
Holotype.- AMNH A 82289 from Derongo, 400 m asl. Western Province, Papua New Guinea, by F. Parker, 7-IV-1968).
Paratype.- MZB Amph. 3563 from Wapoga Alpha Exploration camp, Papua, at 1070 m asl. 3º 08' 68"S and 136º 34' 42"E) Wapoga Alpha Exploration Camp at 1070 m asl. by S. R. Richards, 9-IV-1998.

Genus: Oreophryne Boettger, 1895
Oreophryne atrigularis Günther, Richards & Iskandar, 2001
(Holotype.- ZMB 6226 from Wondowoi Mts, at the base of Wandamen Peninsula 8 km west of the coastal village Yeretuar (2º 56'S; 134º 36'E), Nabire District, Papua by R. Günther, on 30-VI-1998). Paratypes.- MZB Amph. 7361-7362, 2
ex., same data as of the holotype, but collected between 350-750 asl., collected between 28-VII – 1-VIII-1998.

*Oreophryne darewskyi* Mertens, 1965

Current status. *Oreophryne jeffersoniana* Dunn, 1928

(Holotype.- SMF from Rinca Island, by R. Mertens).

Paratypes.- MZB Amph. 3 ex, same data as for the holotype.

Note.- The original description specified that three of the paratypes belong to the MZB collection, but are still in the SMF collection.

*Oreophyney minuta* Richards & Iskandar, 2000

Holotype.- MZB Amph. 3877 from an unnamed mountain, Derwo River Basin, Papua, at 2000 m asl. (3º 26’ 527”S and 136º 28’ 365”E) by S. Richards & D. T. Iskandar, on 7-IV-1998

Paratypes.- MZB Amph. 3878, same data as for the holotype

*Oreophyney rookmakeri* Mertens, 1927b

(Holotype.- SMF 22090, Ranamese, West Flores at 1200 m asl., by Sunda Expedition Rensch).

Paratypes.- MZB Amph. 041. 6 ex, 4 ads + 2 juv., Ranamese, west of Flores Island at 1200 m asl., by Sunda Expedition Rensch, on 25-VI-1927.

Subfamily Microhylinae

Genus: *Kalophrynus* Tschudi, 1830

*Kalophrynus minusculus* Iskandar, 1998


Paratypes.- MZB Amph. 365 from Nyewaan, MZB 366, from Cikarang, MZB 375 and MZB 376 from Cidaun, 6 ex, all around the type locality and by the same collector, and collected during the same period. MZB Amph. 2924 from Cidaun, Ujung Kulon, by H. Kurniati. MZB Amph. 2339 from Gelugur, Wai Kramat, Wai Sekampung, Lampung by D.T. Iskandar.

Family: Hylidae (Pelodryadidae)

Genus: *Litoria* Tschudi, 1838

*Litoria elkeae* Günther & Richards, 2000


*Litoria macki* Richards, 2001

Holotype.- MZB Amph. 3870 an adult male, from head water of Wapoga river, Wapoga Alpha Exploration Camp, Papua, at 1070 m asl. 3º 08’ 687”S and 136º 34’ 423”E) by S. Richards & M. Moore, on 17-IV-1998

Paratypes.- MZB Amph. 3871-3872, 2 ex., same data as for the holotype.

*Litoria wapogaensis* Richards & Iskandar, 2001

Holotype.- MZB Amph. 3871-3872, 2 ex., same data as for the holotype

Family: Ranidae

Genus: *Limnonectes* Fitzinger, 1843

*Rana microdisca dammermani* Mertens, 1929

Current status. *Limnonectes dammermani* (Mertens, 1929)

(Holotype.- SMF 22100, Sembalun, Lombok, by Sunda Expedition Rensch).

Paratypes.- MZB Amph. 091, 3 ex, subadult, Badjawa, Flores Island, by Sunda Expedition Rensch, on 25-VI-1927.
Holotype.- MZB Amph. 2940 (ex. 2654). 1 ex, an adult male, from Jaran Pasang, Lombok Island, by D. Hardjono, on 14-III-1978.


Rana rhacoda Inger, Boeadi & Taufik, 1996.

Current status.- Limnonectes rhacoda (Inger, Boeadi & Taufik, 1996)

Holotype.- MZB Amph. 2991, an adult female from Kalang River, Mentaya Hulu District, East Kotawaringin, (1.25'S; 112.20'E), Central Kalimantan, Indonesia by A. W. Taufik, on I-1995.

Paratypes.- MZB Amph. 2992-2994, 3 ex, same data as for the holotype.

Rana asperata Inger, Boeadi & Taufik, 1996.

Current status.- Limnonectes asperatum (Inger, Boeadi & Taufik, 1996)


Paratypes.- MZB Amph. 3118-20, 3 ex, collected together with the holotype.

Genus: Meristogenys Yang, 1991

Amolops orphnocnemis Matsui, 1986.

Current status.- Meristogenys orphnocnemis (Matsui, 1986)

(As holotype.- OMNH Am. 8052, Bundu Tuhan, Kinabalu, Malaysia at 990 m asl., by M. Matsui.)

Paratypes.- MZB Amph. 2721-2728, 8 ex., Muruk river, at 1050-1150 m, near Pa Nado, Sarawak border of Krayan county, North Borneo, Malaysia by M. Matsui.

Genus: Platymantis Günther, 1858

Platymantis batantae Zweifel, 1966.

(As holotype.- AMNH 74192, Mt. Besar, Wailebet, 1500 ft, Batanta Island, by S. Somadikarta and G. Gilliard)


Platymantis papuensis occidentalis Menzies, 1998

Holotype MZB Amph. 2470 (ex. UPNG 5258) from near Piliana, south coast of Seram Island, Indonesia, by J. I. Menzies.

Paratypes.- MZB Amph 2471-2473, 3 ex, from near Piliana, south coast of Seram Island, Indonesia by J. I. Menzies.
CLASS REPTILIA
ORDER: SQUAMATA

Family: Agamidae
Genus: Aphaniotis Peters, 1864
   Japalura nasuta de Jong, 1930
   Current status.- Aphaniotis ornata (van Lith de Jeude, 1893)
   Holotype.- MZB Lace. 175a, 1 ex, male, from North Kalimantan, by Mohari, in 1912.
   Paratypes.- MZB Lace. 175b, 3 ex, sex undetermined, same data as for the holotype.
   Note.- Two other paratypes are in ZMA.

Family: Gekkonidae
Genus: Aeluroscalabotes Boulenger, 1885
   Aeluroscalabotes dorsalis multituberculatus Kopstein, 1927
   Current status.- Aeluroscalabotes multituberculatus Kopstein, 1927
   Holotype.- MZB Lace. 073, 1 ex, male from Sanana, Sula Island, by Tarip, in 1914.
   Paratype.- MZB Lace. 076, 1 ex, male from Kalimantan, by Mohari, in 1912.
   Note.- MZB has another specimen (MZB Lace. 075) from Sula Island, collected together with the holotype, but it does not have type status. The species is considered doubtfully valid. However, further studies, perhaps also using molecular data, are needed to determine its systematic status. The Bornean paratype, clearly belongs to A. felinus, is at present in the SMF collection.

Genus: Cyrtodactylus Gray, 1827
   Cyrtodactylus laevigatus Darevskyi, 1964
   (Holotype.- ZIP 17617, from Komodo Island at 1000 ft., 2-VIII-1962 by I. S. Darevsky).
   Paratype.- MZB Lace. 978, 1 ex, female from Komodo Island, at 100 m, by I. S. Darevsky, on 27-VIII-1962.
   Note.- Auffenberg (1980) consider this form at most as a subspecies of L. lugubris, but it was listed as a distinct species by Kluge (2001).

Genus: Lepidodactylus Fitzinger, 1843
   Lepidodactylus intermedius Darevsky, 1964
   (Holotype.- ZIP 17614 from Komodo Isl. at 100 m 27-VIII-1962, by I. S. Darevsky.)
   Paratype.- MZB Lace. 369, 1 ex, female from Komodo Island, at 100 m, by I. S. Darevsky, on 27-VIII-1962.
   Note.- Auffedberg (1980) consider this form at most as a subspecies of L. lugubris, but it was listed as a distinct species by Kluge (2001).

Genus: Emoia Gray, 1845
   Lygosoma mivarti obscurum de Jong, 1927
   Current status.- Emoia obscura de Jong, 1927
   Holotype.- MZB Lace. 369, 1 ex, sex undetermined Prauwenbivak, Idenburg River, Papua by W.C. van Heurn on XI-1920
   Paratype.- MZB Lace. 372, 1 ex, sex undetermined, North New Guinea, by K. Gjellerup, in 1911.
   Note.- Emoia obscura was described from eight specimens, four from the type locality, three from Pioneerbivak, Mamberamo river, and another one from North New Guinea. Among them, MZB Lace. 369 is clearly labelled as “typen nov. var” and signed by de Jong himself as indicated in the original description. As shown by Brown (1953), the type serie of this form are composite based on the ZMA and RMNH specimens. Article 74a of the ICZN Code (1985) sets aside the lectotype designation of of the ZMA paratype (ZMA 11445, was designed as
lectotype by Brown, 1991), because the holotype still exist. Daan and Hillenius (1966) stated that other than their specimen, there is another specimen in RMNH and other specimens are considered as lost.

_Emoia irianensis_ Brown, 1991  
(Holotype.- RMNH 21239, female from Tussen Tage, Paniai lake, Papua by L. D. Brongersma, M. Boeseman and party, 3 Jan 1955)

Paratypes.- MZB Lace. 1087-97, 8 ex; MZB Lace. 1079-86 from Hitalipa, 8 ex., from Kumopa; MZB Lace. 1055-56, 2 ex., from Beoga; MZB Lace. 1078 from Usaciga, Central Mountains of Papua, Indonesia, by the same collectors as for the holotype.

_Emoia kitcheneri_ How, Durrant, Smith & Saleh, 1998  
Holotype.- MZB Lace. 4152 (WAM R101877) from Ngulu (10° 06’ 30”S, 120° 41’ 30”E), East Sumba, Indonesia, by R.A. How, D. J. Kitchener, N. K. Cooper, J. Dell & A Suyanto, on 8-VI-1989.

Paratypes.- MZB Lace. 4153-4165 (WAM R 101867, 101873, 101874; 101875; 101883; 101886; 101888; 101889; 101891; 101893; 101884; 101892; 101890) 13 ex, same data as for the holotype.

_Leiolopisma kadarsani kadarsani_ Darevsky, 1964  
Current status.- _Emoia similis_ Dunn, 1927  
Holotype.- MZB Lace. 976, 1 ex., female, from Komodo Island., at 500 m asl., by I. S. Darevsky, on 2-VIII-1962.

_Leiolopisma kadarsani padariensis_ Darevsky, 1964  
Current status.- _Emoia similis_ Dunn, 1927  
Holotype.- MZB Lace. 978, 1 ex., female, from Komodo Island, at 500 m asl., by I. S. Darevsky, on 6-VIII-1962.

_Leiolopisma sembalunicum rintjana_ Darevsky, 1964  
Current status.- _Emoia similis_ Dunn, 1927  
Holotype.- MZB Lace. 977, 1 ex, female, Rinca Island, by I.S. Darevsky, on 10-VIII-1962.

Note.- Auffenberg (1980) considered _Leiolopisma kadarsani_ (with two subspecies) and _L. sembalunicum rintjana_, all described by Darevsky, as synonymous with _Emoia similis_. No other specimens of _E. similis_ and _L. sembalunica_ have been collected since the original description despite careful investigations at the type locality by several major expeditions. The description of _E. similis_ is similar to the two _Leiolopisma_ species and a larger series show that the supranasal scale might be present or absent that leads to the separation of _E. similis_ and _Leiolopisma_. Solving of this problem leads to the removal of the genus _Leiolopisma_ from the fauna of Indonesia.

Genus: _Eugongylus_ Fitzinger, 1843  
_Lygosoma_ (Riopa) _sulaense_ Kopstein, 1927  
Current status.- _Eugongylus sulaensis_ (Kopstein, 1927)

Holotype.- MZB Lace. 361, Sanana, Sula Island, by Tarip in 1914.

Paratype.- MZB Lace. 4166 (ex 361b), 1 ex, same data as for the holotype.

Note.- Originally described from three specimens, all from the type locality. One other paratype is probably in RMNH as mentioned in the original description. The species is variously considered as a synonym of _Eugongylus rufescens_, but such decision necessities examination of the types.

Genus: _Mabuya_ Fitzinger, 1843  
_Mabuya multifasciata balinensis_ Mertens, 1927a  
(Holotype.- SMF, 22087 from Gitgit, Bali Island, by R. Mertens)

Paratypes.- MZB Lace. 564, 1 ex, juv. from Gitgit, North Bali, 500 m asl., by R. Mertens, on 1-VIII-1927. MZB Lace. 2132, 2133, 2134, 2257, 2259, (ex. 569), 5 ex., from Gitgit, North Bali, 500 m asl., by R. Mertens, on 1-VIII-1927. MZB Lace. 570, 5 ex., from Baturiti, Central Bali at 850 m asl., by Sunda Expedition Rensch, on 4-VIII-1927.

_Mabuya multifasciata tjendekianensis_ Mertens, 1956  
Holotype.- MZB Lace. 807, 1 ex., female, Cendekian Island., Karimundjawa Isls., by A. Hoogerwerf, on 17-II-1955.
Paratype.- MZB Lace. 808, 1 ex., male same data as the holotype.

Note.- These specimens have been sent to SMF on 24 May 1957, and the holotype now bears a SMF number 55147.

Genus: *Glaphyromorphus* Wells & Wellington, 1984

*Sphenomorphus mertensi* Darevsky, 1964

Current status.- *Glaphyromorphus mertensi* (Darevsky, 1964)

Holotype.- MZB Lace. 975, 1 ex, female, Padar Island., at sea level, by I. S. Darevsky, on 8-VIII-1962

*Glaphyromorphus butlerorum* Aplin, How & Boead, 1993

Holotype.- MZB (WAM R101829) from Ngalu, (10° 06’ 30”S, 120° 41’ 30”E) Sumba Island

Paratype.- MZB (WAM R101908) same data as for the holotype.

Note.- These specimens are still in WAM, for a long-term loan and have not yet been catalogued.

Genus: *Sphenomorphus* Fitzinger, 1843

*Sphenomorphus puncticentralis* Iskandar, 1996

Holotype.- MZB Lace. 1865, 1 ex, female?, from Batu Raden, Southern slope of Mt. Slamet at 1200 m asl., by D. T. Iskandar on IX-1976.

*Lygosoma dammermani* Kopstein, 1927

Current status.- *Sphenomorphus undulatus* (Peters & Doriae, 1878)

Holotype.- MZB Lace. 339, 1 ex, sex undetermined Sula Island, by Tarip, in 1912.

Note.- This holotype, the only specimen from Sula Island, is partially destroyed, especially the head and the forelimbs are practically no more discernable when examined on 23-X-1976.

Family: Varanidae

Genus: *Varanus* Merrem, 1820


Holotype.- MZB (ZMFK 70617) adult male from Laimu (3° 19’ S; 129° 44’ E) Seram Island, Indonesia, by H. Kotter, X-1996

Paratypes.- MZB (ZMFK) 2 ex., same data as for the holotype.

Note.- These specimens (the holotype and paratypes) have not yet been sent back to Indonesia.

*Varanus komodoensis* Ouwens, 1912.

Syntype.- MZB Lace. 946, 1 ex., juv. Komodo Isl. near Flores, by S. Hensbroek and R. Bitjara in 1908

Note.- Other syntypes could not be found in the MZB collections, and are probably in RMNH, where they were sent after the Second World War. Dunn (1927) stated that he has the opportunity to examine the entire type series in MZB in September 1927.

ORDER OPHIDIA

Family Typhlopidae

Genus: *Ramphotyphlops* Fitzinger, 1843

*Typhlops iridescens* de Jong, 1930

Current status.- *Ramphotyphlops erycinus* (Werner, 1901)

Holotype.- MZB Oph. 261. 1 ex., sex undetermined, Albatros bivak, Mamberamo river, Papua, by W. Docteurs van Leeuwen, on V-1926.

*Typhlops polygrammicus brongersmai* Mertens, 1930

Current status.- *Ramphotyphlops polygrammicus brongersmai* (Mertens, 1930)

(Holotype.- ZMA 11179 from Mao Maru, Kananggar, Sumba Island, by K.W. Dammerman).

Paratype.- MZB Oph. 251, 1 ex, sub-adult, Kananggar, South-east Sumba, at 700 m. asl., by K.W. Dammerman.

Note.- Daan and Hillenius (1966) note that this paratype was probably deposited in SMF.

Genus: *Typhlops* Oppel, 1811

*Typhlops schmutzi* Auffenberg, 1980


Typhlops soensis de Jong, 1930
Current status.- Ramphotyphlops polygrammicus soensis (de Jong, 1930).
Paratypes.- MZB Oph. 264, 6 ex. adults and subadults, Soe, south-central Timor, at 880 m asl., Mrs. Walsch.
Note.- Described from nine specimens, consisting of the holotype, six paratypes in MZB plus two in ZMA. The holotype was deposited in MZB, but we were unable to trace it. This form may be synonymous with R. polygrammicus, but such decision needs to be based on further study.

Family: Cylindrophiidae
Genus: Cylindrophis Wagler, 1863
Cylindrophis yamdena Smith & Sidik, 1998
Holotype.- MZB (WAM R112252) from Latdalam (7º 59’ S, 131º 09’E), Yamdena, Tanimbar Islands, Indonesia, by R.E. Johnstone, D.J. Kitchener & R.A. How on 23-IV-1993
Paratypes.- MZB (WAM) 2 ex, same data as for the holotype.
Note.- These specimens are still in WAM on long-term loan, and have not been catalogued.

Family: Colubridae
Subfamily: Natricinae
Genus: Tropidonophis Jan, 1863
Natrix mairii multiscutellata Brongersma, 1948
Current status.- Tropidonophis multiscutellatus (Brongersma, 1948)
(Holotype.- RMNH 8669, Alkmaar, Lorentz river, by W.C. van Heurn).
Note.- The original description indicated that MZB has five specimens, but only two are traceable. Those from Manokwari and Albatros river, Batavia Rapid are probably lost. Unfortunately these two remaining specimens are now completely destroyed. The generic allocation follows Malnate and Underwood (1989)

Subfamily: Colubrinae
Genus: Boiga Fitzinger, 1826
Boiga dendrophila atra Kopstein, 1936
Current status.- Boiga dendrophila gemmicincta (Duméril & Bibron, 1854)
Holotype.- MZB Oph. 813, 1 ex, sex undetermined, Ba Ebunta, Masamba, Central Sulawesi, by M. Mansjur, on 27-VII1934.
Paratypes.- MZB Oph. 806 1 ex, male from Kolaka, South East Sulawesi, by Indonesian surgeon, on VI-1935. MZB Oph. 811, 1 ex., female from Palopo, Central Sulawesi, by an Indonesian veterinarian, on 15-XII-1934. MZB Oph. 815. 1 ex, Ba Ebunta, Masamba, central Sulawesi, by M. Mansjur, on 27-VII-1934.
Note.- This taxon is a melanistic form of the Sulawesian subspecies. However Kopstein is not the first one who described a black Sulawesian Boiga. Naja celebensis (Ahl 1933) may have priority, as Mertens (1961) examined the type of Naja celebensis and found that it to be a Boiga dendrophila. All old individuals became black, and colour variation is merely ontogenetic characteristics and not a case of melanism.

Genus: Dendrelaphis Boulenger, 1890
Ahaetulla boiga intermedia Mertens, 1927
(Holotype.- SMF 22093, Sumbawa Besar, Sumbawa Island., by Sunda Expedition Rensch).
Current status.- Dendrelaphis inornatus Boulenger, 1897
Paratypes.- MZB Oph. 195, 196, 784, 784a, 785, 792, 794, (ex 101), 7 ex, all from Sumbawa Besar, by Sunda Expedition Rensch, on 25-IV-1927.
MZB Oph. 1177, 1211 (ex. 010), 2 ex, Dompu, Sumbawa Island, by Sunda Expedition Rensch, on 24-V-1927.
Note.- According to How et al. (1996), this form could not be distinguished from D. inornatus based on multivariate analysis.

Genus: Oligodon Boie, 1827
Oligodon purpurascens kangeanicus Mertens, 1959
(Holotype: SMF 55144, Kalisanga, near Ardjas, Kangean Isl., by A. Hoogerwerf).
Paratype.- MZB Oph. 1086. 1 ex, male, Kalisanga, near Ardjasa, north-west Kangean Island, at sea level, by A. Hoogerwerf, on 2-X-1954.

Note.- The original description gives the museum number as 1066 in error.

Family: Elapidae
Genus: Bungarus Daudin, 1803
    Maticora intermedia Westermann, 1942
    Current status.- Bungarus flaviceps flaviceps Reinhardt, 1843
    Syntype.- MZB Oph. 466, 1 ex, sex undetermined, North Kalimantan, by Mohari - Grens Expedition, in 1912 (not found).

Note.- The original description noted that this species was described based on two specimens, neither of which were chosen as the holotype. However, it was noted that the other specimen is badly damaged at the head. The second (damaged) specimen is now in RMNH (Brongersma, 1948).

    Bungarus javanicus Kopstein, 1932
    Current status.- Bungarus candidus (Linn. 1754)

Note.- The holotype (and other Kopstein’s specimens collected after the description of this form) are now in RMNH, bearing the number RMNH 9007 (and 9008) from Matanghaji, Cirebon. The species was synonymized to B. candidus by Slowinski (1994), and recently supported by molecular studies (U. Kuch, pers. comm., 2002).

Family: Viperidae
Genus: Vipera Laurenti, 1768
    Vipera russelli sublimits Kopstein, 1936
    Current status.- Daboia russelli siamensis (Smith, 1917)
    Syntype.- MZB Oph. 472, 1 ex, male, Klumprik, Sepanjang, near Kembang Kuning cemetery, Surabaya, East Java, by H. Neuhaus, on 16-XII-1933.

Note.- Originally described on the basis of three specimens in the MZB collection, the syntype is the first as well as the largest specimen compared to two others, although none was designated as the holotype. Brongersma (1958) designated one of the cotypes from RMNH as a lectotype. We have no information of the whereabouts of the third specimen. The status of the MZB type specimen is rather doubtful, because the original description stated that “having only a single specimen is not enough... fortunately we have collected two additional specimens” is the only indication that Kopstein did have access to this specimen when he described this form as a new subspecies. By the designation of the RMNH specimen as the lectotype, this specimen is, by implication, a paralectotype.

ORDER: CHELONII

Family: Chelidae
Genus: Elseya Gray, 1867.
    Emydura branderhorsti Ouens, 1914
    Current status.- Elseya branderhosti (Ouens, 1914)
    Holotype.- lost, not in the records.

Note.- The holotype was kept as living specimen at the time of description, and cannot be traced in the MZB archive at present.

Family: Geoemydidae
    Geoemyda yuwonoi McCord, Iverson & Boeadi, 1995
    Current status.- Leucocephalon yuwonoi (McCord, Iverson & Boeadi, 1995)

This holotype did not reach the MZB collection, and was presumably destroyed during the flooding of Jakarta.

Family: Trionychidae
Genus: Chitra Gray, 1844
    Chitra chitra javanica McCord & Pritchard, 2002
    Holotype.- MZB Test 199, 57.0 cm male, from Pasuruan River, near Pasuruan, East Java, Indonesia by local turtle hunters. Donated by F. Yuwono.
Paratypes.—MZB. 264, a 34.2 cm subadult and MZB 265, a 15.5 cm juvenile; MZB 266 and 267, both subadult skeletons.

Note.—in addition, MZB have two other giant (skeletonized) specimens, but are not included in the types.

ACKNOWLEDGEMENTS
We sincerely acknowledge S. Kadarsan, S. Adisoemarto and S. N. Priyono for their cooperation and hospitality during my frequent visit to MZB. Sincere thanks are addressed to Boeadi and I. Sidik who were always ready to discuss specimen problems with us. U. Kuch provided us with unpublished information on Bungarus javanicus. We thank Drs. A Bauer, R.F. Inger, P. David and V. Wallach for comments of the previous version of the manuscript.

LITERATURE CITED


ISKANDAR. 2001. Two new species of the ge-


________. 1930b. List of reptiles collected by Prof. W. Docteurs VAN Leeuwen during the North New Guinea Expedition, 1926. *Nova Guinea* 15: 405-408.


MERTENS, R. 1927a. Herpetologische Mitteilungen XVII. *Mabuya multifasciata* Kuhl


______. 1914. List of Dutch East Indian chelonians in the Buitenzorg Zoological Museum. Contributions a la Faune des Indes Neerlandaises 1: 31-38


Received: 30 April 2002.
Accepted: 8 August 2002.