

A CHECKLIST OF THE SNAKES OF BORNEO: ADDENDA AND CORRIGENDA

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INTRODUCTION

The previously published checklist of the snakes of Borneo (Stuebing, 1991) was based on a combination of nineteenth and early twentieth century records, as well as more recent material from the Field Museum of Natural History (FMNH, Chicago, Illinois, USA), the United States National Museum (USNM, Washington D.C., USA) and the Sabah Campus of the Universiti Kebangsaan Malaysia (UKMS, Kota Kinabalu, Sabah, Malaysia). Subsequent to its publication, several textual errors in spelling, nomenclature, reference citations and an important error in field identification were noticed. Furthermore, some previously unreported material from the Sabah Museum (SSM) was examined, which included several new records for localities outside Mt. Kinabalu, for Sabah, or for Borneo. Among these was *Anomochilus leonardi* Smith, the first record of this snake from Borneo (Stuebing & Goh, 1993). Subsequently, a record of *Anomochilus weberi* v. Lidth de Jeude, from Kalimantan (Brongersma & Helle, 1951, specimen in Rijksmuseum van Natuurlijke Historie [RMNH], Leiden, The Netherlands) came to light, reported in a recent study of the genus (Cundall *et al.*, 1993). In this paper, Cundall *et al.* (1993) proposed that both *Anomochilus* and *Cylindrophis* do not in fact belong to the Uropeltidae (McDowell, 1987) but in the Anomochilidae and Cylindrophiiidae respectively. I have accepted this revision. Das (1993) also subsequently added *Kolpophis annandalei* (Laidlaw) to the Bornean hydrophiine fauna.

There are a number of recent records from Kuala Belalong, Brunei (Indraneil Das, pers. comm.), but I have as yet been unable to examine the specimens. Coverage of records from the Sarawak Museum (SMK) remains partial (up to approximately 1957). Since the collection has been moved at least twice over the last 35 years, it will require special effort to locate and verify post-1960 species identifications and locality information. The nomenclature for many species in this collection is also long out of date and needs to be revised. Thus, the Sarawak records will not be included until a re-inspection and revision of the material can be done. This revision, along with records from Lanjak-Entimau and other recent herpetofaunal specimen localities in Sarawak, will have to be treated in a future publication.

ADDENDA AND CORRIGENDA

- p. 323. The correct total of snake species for Borneo is now 151.
- p. 324. Last line of last paragraph should read "**Gritis & Voris, 1990**". In the original paper, the names are transposed.
- p. 326. Fourth to sixth lines of last paragraph should read: **Correction:** "Broad distributional patterns may also exist among the snakes, as indicated by the discovery in Gunung Lumaku of three specimens of *Oreocalamus hanitschi*, whose only previously known Bornean localities were Mt. Kinabalu and the Kelabit Plateau."
- p. 326 *Ramphotyphlops braminus* (Daudin).
Add: - SABAH: Madai Cave [Lahad Datu Dist.] (SSM)
- p. 326 *Ramphotyphlops lineatus* (Schlegel).
Add: - SABAH: Penampang (SSM)
- p. 327. Delete family Uropeltidae and subfamilyb Cyliindrophiiinae (Cundall *et al.*, 1993), and add:

Anomochilidae

***Anomochilus leonardi* Smith**

Anomochilus leonardi Smith, 1940, *Ann. Mag. Nat. Hist.*, (11)6: 447-449;
Stuebing & Goh, 1993, *Raffles Bull. Zool.*, 41: 311. - SABAH: Sepilok (SSM).

***Anomochilus weberi* v. Lidth de Jeude, 1891**

Anomochilus weberi v. Lidth de Jeude, 1891, in M. Weber, *Zool. Ergeb.*, 1890/91: 181, pl. XV, figs. 1-3; Boulenger, 1893, *Cat. Sn.* I 1893: 134. - KALIMANTAN: Kutei (RMNH; Brongersma & Helle, 1951)

Cyliindrophiiidae (for all *Cyliindrophis*)

- p. 328 *Python curtus* Schlegel.
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 329 Both *Xenelaphis ellipsifer* Boulenger and *Xenelaphis hexagonotus* (Cantor) should be placed in the *Natricinae* following *Rhabdophis subminiatus* (Schlegel), p. 350.
- p. 330 *Xenelaphis hexagonotus* (Cantor).
Add: - SABAH: Lumat, Beaufort (SSM)
- p. 330 *Aplopeltura boa* (Boie).
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 332 *Enhydris doriae* Peters.
Add: - SABAH: Kg. Kayu Madang (FMNH)

- p. 332 *Enhydryis plumbea* (Boie).
Add: - SABAH: Kg. Kayu Madang (FMNH, SSM), Kota Kinabalu (UKMS; SSM), Batu Putih [Sandakan Dist.] (SSM);
Penampang: delete (SMKK) and replace with (SSM)
- p. 333 Add: *Lycodon aulicus* (Linnaeus)
Coluber aulicus Linne, *Mus. Ad. Frid.* I 1754, p.29, Pl. XII, fig. 2.
Lycodon aulicus Boulenger, Cat. Sn. I 1893, p. 352 (s. syn.)
Lycodon aulicus Tweedie, 1983, 69.;
- SABAH: Kota Kinabalu (SSM)
- p. 334 *Oligodon everetti* Boulenger.
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 334 *Oligodon octolineatus* (Schneider).
Add: - SABAH: Batu Putih [Sandakan Dist.] (SSM)
- p. 334 *Oligodon purpurascens* (Schlegel).
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 335 *Psammodynastes pulverulentus* (Boie) .
Add: - SABAH: Quoin Hill [Tawau] (SSM)
- p. 336 *Boiga cynodon* (Boie).
Add: - SABAH: Baturung, Lahad Datu (SSM)
- p. 344 *Elaphe taeniura* Cope.
Add: Baturong Caves, Lahad Datu (SSM);
Remarks: I have seen this species along the Keningau-Kimanis Road (1250 m) and at Kinabalu Park Headquarters near Lumu-Lumu.
- p. 335 *Liopeltis longicaudus* (Peters) .
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 335 *Liopeltis tricolor* (Schlegel) .
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 338 *Calamaria grabowskyi* Fischer.
Add: - Sabah: Ulu Dusun [Sandakan] (SSM)
- p. 340 *Calamaria lumbricoidea* H. Boie.
Add: - Sabah: Kota Kinabalu (SSM)
- p. 341 *Calamaria schlegeli* Dumeril, Bibron & Dumeril.
Add: - Sabah: Kota Kinabalu (SSM)
- p. 341 *Chrysopelia paradisi* Boie.
Add: - Sabah: Balambangan Island [Kudat Dist.], Ulu Dusun [Sandakan Dist.] (SSM)

- p. 343 *Driophiops rubescens* (Gray) .
Add: - SABAH: Kota Kinabalu (SSM), Sepilok (SSM), Ulu Dusun [Sandakan Dist.] (SSM)
- p. 343 *Dryocalamus tristigatus* (Gray) =*Dryocalamus tristigatus* (Gray) .
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 347 *Stegonotus borneensis* Inger,
Add: - SABAH: Sinsuron (FMNH)
- p. 347 *Ptyas carinatus* Gunther should read *Zaocys carinatus* (Günther).
Add: - SABAH: Ulu Dusun
- p. 347 *Zaocys fuscus* (Günther).
Add: - SABAH: Menggatal (SSM), Penampang (SSM)
- p. 349 *Amphiesma flavifrons* (Boulenger).
Add: - SARAWAK: Nanga Segerak, Engkari River (SMK)
- p. 349 *Amphiesma sarawacensis* (Boie).
Add: - SABAH: Gunung Alap, Sinsuron (SSM)
- p. 349 *Amphiesma petersi* (Boulenger).
Add: - SABAH: Tenom District (SSM)
- p. 349 *Amphiesma stolata* (Linnaeus).
Add: - SABAH: Mt. Kinabalu (SSM)
- p. 349 *Hydrablabes periops* (Günther).
Add: - SARAWAK: Nanga Serembuang, Skrang River (SMK)
- p. 349 *Macropisthodon rhodomelas* (Boie).
Add: - SABAH: Tawau (FMNH)
- p. 349 *Opisthotropis typicus* (Mocquard).
Add: - SABAH: Poring [Mt. Kinabalu] (SSM)
- p. 350 *Pseudoxenodon baramensis* (Smith).
Add: - SARAWAK: Nanga Segerak, Engkari River
- p. 350 *Rhabdophis chrysarga* (Schlegel).
Add: - SARAWAK: Nanga Serembuang, Skrang River (SMK)
- p. 350 *Rhabdophis conspicillata* (Günther).
Add: - SARAWAK: Nanga Bekiat, Serembuang River (SMK)
- p. 351 *Xenochrophis trianguligera* (Boie).
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM), SARAWAK: Nanga Segerak, Engkari River (SMK)

- p. 351-2 *Bungarus fasciatus* (Schneider) .
Add: - SABAH: Lumat, Membakut (SSM), Menggatal (SSM), Tuaran (SSM)
- p. 352 *Maticora bivirgata* (Boie).
Add: - SABAH: Bongon (21), Ulu Dusun [Sandakan Dist.] (SSM)
- p. 352 *Maticora intestinalis* (Laurenti).
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 353 *Naja sumatrana* Müller.
Add: - SABAH: Ulu Dusun [Sandakan Dist.] (SSM)
- p. 353 *Ophiophagus hannah* (Cantor).
Add: - SABAH: Sg. Serudong Tawau Dist.] (SSM)
- p. 355 Under subfamily Hydrophiinae, add: *Kolpophis annandalei* (Laidlaw)
Hydrophis annandalei Laidlaw, 1901, *Proc. Zool. Soc. Lond.*, 1901: 575-586 -
BRUNEI: Brunei-Muara (Universiti Brunei Darussalam) (fide Das, 1993).
- p. 355 *Kerilia jerdoni* Gray.
Add - SABAH: Likas Bay, Kota Kinabalu (SSM)
- p. 357 *Ovophis chaseni* Smith.
Trimeresurus chaseni M.A. Smith = correct spelling: *Trimeresurus chaseni* M.A. Smith;
Delete: Maliau Basin (FMNH);
Add: - SABAH: Kg. Tagodon, Sinsuron, Crocker Range (SSM)
- p. 357 *Trimeresurus puniceus* (Boie).
Add: - SABAH: Maliau Basin (FMNH)
Remarks : Hoge, A.R. & de Lemos-Romano (1974) have designated Bornean specimens of *Trimeresurus puniceus* as *Trimeresurus borneensis* based on several scale characters. However, considerable intraspecific variation exists within the Sunda Region (Toriba, 1992). Until this matter is resolved, I have chosen to leave *T. borneensis* out of the checklist.
- p. 357 *Trimeresurus sumatranus* (Raffles).
Add: - SARAWAK: Nanga Segerak, Engkari River (SMK), Nanga Serembuang, Skrang River (SMK)
- p. 357 *Tropidolaemus wagleri* (Boie).
Add: - SARAWAK: Nanga Segerak, Engkari River

GAZETTEER

<u>Locality</u>	<u>Coordinates</u>
SABAH:	
Balambangan Island [Kudat Dist.]	7 ° 16' N, 116 ° 53' E
Batu Putih	5 ° 26' N, 118 ° 08' E
Lumat, Membakut	5 ° 28' N, 115 ° 46' E
Menggatal	6 ° 05' N, 116 ° 06' E
Sg. Serudong	4 ° 16' N, 117 ° 05' E
Tenom	5 ° 05' N, 115 ° 55' E
Ulu Dusun	5 ° 35' N, 118 ° 05' E
SARAWAK:	
Engkari River	1 ° 25' N, 112 ° 00' E
Skrang River	1 ° 32' N, 111 ° 55' E

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