

## OPLURIDAE

- 1843 *Doryphori* Fitzinger, Syst. Rept.: 17. Type genus: "*Doryphorus* (Cuv.) Boie". Based on an altered concept and treated as unavailable by Frost and Etheridge, Misc. Publ. Mus. Nat. Hist. Univ. Kansas, 81: 39.
- 1983 Opluridae Moody, in Rhodin and Miyata (eds.), Adv. Herpetol. Evol. Biol.: 39. Type genus: *Oplurus* Cuvier, 1829.
- 1996 Opluridae—Titus and Frost, Mol. Phylogenet. Evol., 6: 49.
- 1997 Oplurinae—Macey, Larson, Ananjeva, and Papenfuss, J. Mol. Evol., 44: 673.
- 1998 Oplurinae—Schulte, Macey, Larson, and Papenfuss, Mol. Phylogenet. Evol., 10: 374.
- 2008 Oplurinae—Münchenberg, Wollenberg, Glaw, and Vences, Amphibia-Reptilia, 29: 319. Range: Madagascar and nearby islands.

### *Chalarodon* Peters

- 1837 *Tropidogaster* Duméril and Bibron, Erp. Gen., 4: 329. Type species (by monotypy): *Tropidogaster blainvillii* Duméril and Bibron 1837, by monotypy. Suppressed for purposes of Priority and Homonymy and placed on the Official List of Rejected and Invalid Generic Names in Zoology by Opinion 955 (Anonymous, Bull. Zool. Nomencl., 28: 26-27).
- 1843 *Ptychosaurus* (*Tritropis*) Fitzinger, Syst. Rept.: 59. Type species: *Tropidogaster blainvillii* Duméril and Bibron, 1837, by original designation. *Tritopsis* suppressed for purposes of Priority and Homonymy and placed on the Official List of Rejected and Invalid Generic Names in Zoology by Opinion 955 (Anonymous, Bull. Zool. Nomencl., 28: 26-27).
- 1854 *Chalarodon* Peters, Monatsber. Preuss. Akad. Wiss. Berlin, 1854: 616. Type species: *Chalarodon madagascariensis* Peters, 1854, by monotypy.
- 1885 *Chalarodon*—Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 128.
- Range: Arid and semiarid regions of southwestern Madagascar, throughout most of Tuléar Province, extending into southwestern Fianarantsoa and extreme southwestern Majunga Provinces.

### *Chalarodon madagascariensis* Peters

- 1837 *Tropidogaster Blainvillii* Duméril and Bibron, Erp. Gen., 4: 330. Type locality: "inconnue". Holotype: Mus. Natl. Hist. Nat. Paris No. 6869. Synonymy by Etheridge, Bull. Zool. Nomencl., 25: 224-226. Suppressed for purposes of Priority and Homonymy and placed on the Official List of Rejected and Invalid Species Names in Zoology by Opinion 955 (Anonymous, Bull. Zool. Nomencl., 28: 26-27).
- 1843 *Ptychosaurus* (*Tritropis*) *Blainvillii*—Fitzinger, Syst. Rept.: 59. (Official Index (Invalid), Op. 955, 1971)
- 1854 *Ch.[alarodon] madagascariensis* Peters, Monatsber. Preuss. Akad. Wiss. Berlin, 1854: 616. Type locality: "Madagascar (St. Augustins-Bay)". Syntypes: Zool. Mus. Berlin No. 4360 (2 specimens), 5617, 9214 (2 specimens).
- 1885 *Chalarodon madagascariensis*—Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 128.
- 1885 *Tropidurus ? blainvillii*—Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 178.
- 1933 *Tropidurus blainvillii*—Burt and Burt, Trans. Acad. Sci. St. Louis, 28: 45.

- 1942 *Chalarodon madagascariensis*—Angel, Mem. Acad. Malgache, 36: 89; Pl. 13, Fig. 3.  
 1969 *Chalarodon madagascariensis*—Etheridge, Bull. Zool. Nomencl., 25: 224.  
 1977 *Chalarodon madagascariensis*—Blanc, Faun. Madagascar, 45: 20–59; Pl. 7.

Range: Arid and semiarid regions of western and southern Madagascar, throughout most of Tuléar Province, extending into southwestern Fianarantsoa and extreme southwestern Majunga Provinces.

Comment: Münchenberg, Wollenberg, Glaw, and Vences, Amphibia-Reptilia, 29: 324, suggested that this binomial covers at least two species, one unnamed population from the plains of southeastern Madagascar, and the other (which includes the type locality) from the western regions.

### *Oplurus* Cuvier

- 1829 *Oplurus* Cuvier, Regne Animal., Ed. 2, 2: 47. Type species (by monotypy): *Oplurus torquatus* Cuvier, 1829, by monotypy. The subsequent designation by Fitzinger, Syst. Rept.: 17, as *Oplurus sebae* Duméril and Bibron, 1837, is invalid.  
 1843 *Hoplurus*—Fitzinger, Syst. Rept.: 76. (invalid emendation of *Oplurus* Cuvier, 1829)  
 1885 *Hoplurus*—Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 129.  
 1952 *Oplurus*—Savage, Copeia, 1952: 182.  
 Range: Western and central Madagascar and Grand Comore Island.

### *Oplurus cuvieri* (Gray)

- 1829 *Oplurus torquatus* Cuvier, Regne Animal., Ed. 2, 2: 48. Type locality: "Brésil". Holotype: Mus. Natl. Hist. Nat. Paris No. 1433. Secondary homonym for *Tropidurus torquatus* Wied, 1821.  
 1831 *Trop.[idurus] Cuvieri* Gray, in Cuvier, Animal Kingdom (Griffith), 9—Appendix: 41. Substitute name for *Oplurus torquatus* Cuvier, 1829.  
 1837 *Oplurus Sebae* Duméril and Bibron, Erp. Gen., 4: 361. Type locality: "Brésil". Holotype: Mus. Natl. Hist. Nat. Paris No. 1433.  
 1843 *Hoplurus Sebae*—Fitzinger, Syst. Rept.: 76.  
 1854 *H.[oplorus] Barnardi* Peters, Monatsber. Preuss. Akad. Wiss. Berlin, 1854: 616 (part). Type locality: "Madagascar (Bombatuka), St. Augustins-Bay)". Syntypes: Zool. Mus. Berlin No. 674 (2 specimens), 3951, 5393. Synonymy by Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 129.  
 1885 *Hoplurus sebae*—Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 129.  
 1942 *Hoplurus sebae* [*sebae*]—Angel, Mem. Acad. Malgache, 36: 83; Pl. 3, Fig. 4; Pl. 12, Fig. 1.  
 1942 [*Hoplurus sebae*] var. *comorensis* Angel, Mem. Acad. Malgache, 36: 84. Type locality: "Grande-Comore". Syntypes: Mus. Natl. Hist. Nat. Paris No. 22-298, 22-299. Distinctiveness Implied to be not be substantially different from the rest of the northern population by Münchenberg, Wollenberg, Glaw, and Vences, Amphibia-Reptilia, 29: 323.  
 1952 *Oplurus cuvieri*—Savage, Copeia, 1952: 182.  
 1952 *Oplurus cuvieri cuvieri*—Savage, Copeia, 1952: 182.  
 1952 *O.[plurus] cuvieri comorensis*—Savage, Copeia, 1952: 182.  
 1977 *Oplurus cuvieri*—Blanc, Faun. Madagascar, 45: 28.

- 1977 *Oplurus cuvieri cuvieri*—Blanc, Faun. Madagascar, 45: 28; Pl. 1.  
2004 *Oplurus comorensis*—Meirte, in Louette, Meirte, and Joacque (eds.), Stud. Afrotrop. Zool., 293: 199-220.

Range: Subhumid regions of northwestern Madagascar from western Diego-Suarez Province southward into northern Tuléar Province and inland to the western slopes of Tananarive Province, with an isolated population in northwestern Fianarantsoa Province; Grand Comore Island westward of northern Madagascar in the northern Mozambique Channel.

Comment: Münchenberg, Wollenberg, Glaw, and Vences, Amphibia-Reptilia, 29: 324, suggested that this binominal covers at least two species, one in the southern two-thirds of the island and another in the northern third.

#### *Oplurus cyclurus* (Merrem)

- 1820 *Uromastix cyclurus* Merrem, Tent. Syst. Amph.: 56. Type locality: "Brasilia". Holotype: not located.  
1837 *Oplurus Maximiliani* Duméril and Bibron, Erp. Gen., 4: 365. Type locality: "Brésil". Holotype: Mus. Natl. Hist. Nat. Paris No. 1431. Synonymy by Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 130)  
1843 *Doryphorus Maximiliani*—Fitzinger, Syst. Rept.: 77.  
1945 *Tropidurus cyclurus*—Gray, Cat. Spec. Liz. Coll. Brit. Mus.: 225.  
1885 *Hoplurus cyclurus*—Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 130.  
1942 *Hoplurus cyclurus*—Angel, Mem. Acad. Malgache, 36: 84; Pl. 3, Fig. 30; Pl. 11, Fig. 4.  
1952 *Oplurus cyclurus*—Savage, Copeia, 1952: 182.  
1977 *Oplurus cyclurus*—Blanc, Faun. Madagascar, 45: 20; Pl. 1.

Range: Arid regions of southwestern Madagascar throughout most of Tuléar Province and extending northward into extreme southwestern Majunga Province.

#### *Oplurus fierinensis* Grandidier

- 1869 *Oplurus Fierinensis* Grandidier, Rev. Mag. Zool., Paris, Ser. 2, 21: 341. Type locality: "Mafale". Syntypes: Mus. Natl. Hist. Nat. Paris No. 7638 (4).  
1942 *Hoplurus fierinensis*—Angel, Mem. Acad. Malgache, 36: 87; Pl. 13, Fig. 1.  
1952 *Oplurus fierinensis*—Savage, Copeia, 1952: 182.  
1977 *Oplurus fierinensis*—Blanc, Faun. Madagascar, 45: 42.

Range: Arid regions of southwestern Madagascar in the lower reaches of the Fiherenana and Onilahy river valleys, and on the Mahafly Plateau, western Tuléar Province.

#### *Oplurus grandidieri* Mocquard

- 1900 *Hoplurus Grandidieri* Mocquard, Bull. Soc. Philomath., Paris, Ser. 9, 2: 105; Pl. 2. Type locality: "Vananitalo (Forêt d'Ikongo)". Holotype: Mus. Natl. Hist. Nat. Paris No. 99-359.  
1942 *Hoplurus grandidieri*—Angel, Mem. Acad. Malgache, 36: 85; Pl. 12, Fig. 2.  
1952 *Oplurus grandidieri*—Savage, Copeia, 1952: 182.  
1977 *Oplurus grandidieri*—Blanc, Faun. Madagascar, 45: 47; Pl. 6.

Range: Semiarid regions of southern central Madagascar in eastern central Tuléar Province and western central Fianarantsoa Province.

#### *Oplurus quadrimaculatus* Duméril and Bibron

- 1851 *Oplurus quadrimaculatus* Duméril and Bibron in Duméril and Duméril, Cat. Method. Coll. Rept.: 83. Type locality: "Madagascar". Holotype: Mus. Natl. Hist. Nat. Paris No. 1404.
- 1856 *Centrura quadrimaculatus*—Duméril, Arch. Mus. Natl. Hist. Nat. Paris, 8: 558; Pl. 22, Fig. 4.
- 1869 *Oplurus montanus* Grandidier, Rev. Mag. Zool., Paris, Ser. 2, 21: 340. Type locality: "Fiérin". Syntypes: Mus. Natl. Hist. Nat. Paris No. 95-173, 95-175. Synonymy by Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 131)
- 1885 *Hoplurus quadrimaculatus*—Boulenger, Cat. Liz. Brit. Mus. Nat. Hist., 2: 131.
- 1942 *Hoplurus quadrimaculatus*—Angel, Mem. Acad. Malgache, 36: 88; Pl. 13, Fig. 2.
- 1952 *Oplurus quadrimaculatus*—Savage, Copeia, 1952: 182.
- 1977 *Oplurus quadrimaculatus*—Blanc, Faun. Madagascar, 45: 34; Pl. 3.
- Range: Arid to humid regions of central and southern Madagascar from the coast of southern Tuléar Province through the higher parts of western Fianarantsoa Province and northern central Tananarive Province.

*Oplurus saxicola* Grandidier

- 1869 *Oplurus saxicola* Grandidier, Rev. Mag. Zool., Paris, Ser. 2, 21: 340. Type locality: "Fiérin". Syntypes: Mus. Natl. Hist. Nat. Paris No. 7637 (2).
- 1942 *Hoplurus saxicola*—Angel, Mem. Acad. Malgache, 36: 86; Pl. 12, Fig. 3.
- 1952 *Oplurus saxicola*—Savage, Copeia, 1952: 182.
- 1977 *Oplurus saxicola*—Blanc, Faun. Madagascar, 45: 53; Pl. 5.
- Range: Semiarid regions of southern Madagascar in southern central Tuléar Province.
- Comment: Comment: Münchenberg, Wollenberg, Glaw, and Vences, Amphibia-Reptilia, 29: 324, suggested that this binominal covers at least two species with ill-delimited boundaries

#### Bibliography

- Angel, F. 1942. Les lézards de Madagascar. Mémoires de l'Académie Malgache. Tananarive 36: 1–193.
- Anonymous. 1971. Opinion 955. *Tropidogaster blainvillii* Dumeril & Bibron, 1837 (Reptilia): suppressed under the Plenary Powers. Bulletin of Zoological Nomenclature 28: 26-27.
- Blanc, C.P. 1977. Reptiles sauriens Iguanidae. Faune de Madagascar 45: 1–199.
- Boulenger, G.A. 1885. Catalogue of the lizards in the British Museum (Natural History). Volume 2. Iguanidae, Xenosauridae, Zonuridae, Anguidae, Anellidae, Helodermatidae, Varanidae, Xantusiidae, Teiidae. London: Printed by Order of the Trustees.
- Burt, C.E., and M.D. Burt. 1933. A preliminary check list of the lizards of South America. Transactions of the Academy of Science of Saint Louis 28: i–v, 1–104.
- Cuvier, G.L.C.F.D. 1829. Le Règne Animal Distribué d'Après son Organisation, pour Servir de Base à l'Histoire Naturelle des Animaux et d'Introduction à l'Anatomie Comparée. Nouvelle Edition, Revue et Augmentée par P.A. Latreille. Volume 2. Paris: Deterville.
- Duméril, A.H.A. 1856. Description des reptiles nouveaux ou imparfaitement connus de la collection du Muséum d'Histoire Naturelle et remarques sur la classification et les caractères des reptiles. Archives du Muséum d'Histoire Naturelle, Paris 8: 437–588.

- Duméril, A.M.C., and G. Bibron. 1837. *Erpétologie Générale ou Histoire Naturelle Complète des Reptiles*. Volume 4. Histoire de Quarante-six Genres et de Cent Quarante-six Espèces de la Famille des Iguaniens, de l'Ordre des Sauriens. Paris: Librairie Encyclopedique de Roret.
- Duméril, A.M.C., and A.H.A. Duméril. 1851. *Catalogue Methodique de la Collection des Reptiles*. Paris: Gide et Baudry.
- Etheridge, R.E. 1969. *Tropidogaster blainvillii* Duméril & Bibron, 1837 (Reptilia, Sauria): Proposed suppression under the plenary powers. Z.N.(S.) 1860. *Bulletin of Zoological Nomenclature* 25: 224–226.
- Fitzinger, L.J.F.J. 1843. *Systema Reptilium*. Fasciculus Primus. Wien: Braumüller et Seidel.
- Frost, D.R., and R.E. Etheridge. 1989. A phylogenetic analysis and taxonomy of iguanian lizards (Reptilia: Squamata). *Miscellaneous Publications. Museum of Natural History, University of Kansas* 81: 1–65.
- Grandidier, A. 1869. Description de quelques animaux decouverts, pendant l'année 1869, sur la côte ouest de Madagascar. *Revue et Magasin de Zoologie Pure et Appliquée. Serie 2.* Paris 21: 337–342.
- Gray, J.E. 1831. Appendix. A synopsis of the species of the Class Reptilia. In E. Griffith (ed.), *The Animal Kingdom Arranged in Conformity with its Organization, by the Baron Cuvier, with Additional Descriptions of all the Species Hitherto Named, and of Many not before Noticed, by Edward Griffith*. Volume 9. *The Class Reptilia Arranged by the Baron Cuvier with Specific Descriptions by Edward Griffith, F.L.S., A.S., & c. and Edward Pigeon, Esq.*: 1–110. London: Whittaker, Treacher, and Co.
- Gray, J.E. 1845. *Catalogue of the Specimens of Lizards in the Collection of the British Museum*. London: Trustees of the British Museum.
- Macey, J.R., A. Larson, N.B. Ananjeva, and T.J. Papenfuss. 1997. Evolutionary shifts in three major structural features of the mitochondrial genome among iguanian lizards. *Journal of Molecular Evolution* 44: 660–674.
- Meirte, D. 2004. Reptiles. In M. Louette, D. Meirte, and R. Jocqué (eds.), *La Faune Terrestre de l'Archipel des Comores*. *Studies in Afrotropical Zoology* No. 293: 199–220. Tervuren: Musée Royal de l'Afrique Centrale.
- Merrem, B. 1820. *Versuch eines Systems der Amphibien*. Tentamen Systematis Amphibiorum. Marburg: Johann Christian Krieger.
- Mocquard, F. 1900. Nouvelle contribution a la faune herpétologique de Madagascar. *Bulletin de la Société Philomathique de Paris. Series 9, 2*: 93–111.
- Moody, S.M. 1983. The rectus abdominis muscle complex of the Lacertilia: terminology, homology, and assumed presence in primitive iguanian lizards. In A.G.J. Rhodin and K. Miyata (eds.), *Advances in Herpetology and Evolutionary Biology. Essays in Honor of Ernest E. Williams*: 195–212. Cambridge, Massachusetts: Museum of Comparative Zoology, Harvard University.
- Münchenberg, T., K.C. Wollenberg, F. Glaw, and M. Vences. 2008. Molecular phylogeny and geographic variation of Malagasy iguanas (*Oplurus* and *Chalarodon*). *Amphibia-Reptilia* 29: 319–327.
- Peters, W.C.H. 1854. Diagnosen neuer Batrachier, welche zusammen mit der früher (24. Juli und 18. August) gegebenen Übersicht der Schlangen und Eidechsen mitgetheilt weden. *Monatsberichte der Königlichen Preussische Akademie des Wissenschaften zu Berlin* 1854: 614–628.

- Savage, J.M. 1952. The correct generic names for the iguanid lizards of Madagascar and the Fiji Islands. *Copeia* 1952: 182.
- Schulte, J.A., II, J.R. Macey, A. Larson, and T.J. Papenfuss. 1998. Molecular tests of phylogenetic taxonomies: a general procedure and example using four subfamilies of the lizard family Iguanidae. *Molecular Phylogenetics and Evolution* 10: 367–376.
- Titus, T.A., and D.R. Frost. 1996. Molecular homology assessment and phylogeny in the lizard family Opluridae (Squamata: Iguania). *Molecular Phylogenetics and Evolution* 6: 49–62.