

A new species of the natricine snake genus *Amphiesma* from the Indochinese Region (Squamata: Colubridae: Natricinae)

David P., Bain R.H., Truong N.Q., Orlov N.L., Vogel G., Thanh V.N., Ziegler T.

UMS 602 Taxinomie-collection - Reptiles and Amphibiens, Département Evolution et Systématique, Muséum National d'Histoire Naturelle, 57 rue Cuvier, F-75231 Paris Cedex 05, France; Center for Biodiversity and Conservation, Division of Vertebrate Zoology (Herpetology), American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024, United States; Institute of Ecology and Biological Resources, Vietnamese Academy of Science and Technology, 18 Hoang Quoc Viet St., Hanoi, Viet Nam; Laboratory of Herpetology and Ornithology, Zoological Institute, Academy of Sciences, 199034 St. Petersburg, Russian Federation; Society for Southeast Asian Herpetology, Im Sand 3, D-69115 Heidelberg, Germany; Centre for Natural Resources and Environmental Studies, Vietnam National University, Hanoi, Viet Nam; University of Science, Faculty of Biology, Department of Vertebrate Zoology, 334 Nguyen Trai Str., Thanh Xuan, Hanoi, Viet Nam; AC Zoologischer Garten Köln, Riehler Str. 173, D-50735 Köln, Germany

Abstract: A new species of the natricine snake genus *Amphiesma* is described from Central Vietnam and possibly Thailand. *Amphiesma leucomystax* spec. nov. is distinguished from other species of the Indochinese Region by the combination of a bright, broad white stripe extending below the eye from the tip of the snout to posterior supralabials and the neck, dorsolateral series of aligned, transversally elongated or divided spots, 19 dorsal scale rows at midbody, two first rows of dorsal scale rows smooth, moderately sized eyes, a high number of ventral scales (at least 154), and 1 anterior temporal. Its relationships with other *Amphiesma* species with 19 dorsal scale rows are discussed. *Amphiesma leucomystax* spec. nov. seems to be close to *A. boulengeri*. A key to the species of *Amphiesma* from the Indochinese Region is provided. © 2007 Magnolia Press.

Author Keywords: *Amphiesma*; *Amphiesma leucomystax* spec. Nov; Indochinese Region; Morphology; Natricinae; Natural history; Serpentes; Taxonomy; Vietnam

Index Keywords: *Amphiesma*; Colubridae; Natricinae; Serpentes; Squamata

Year: 2007

Source title: Zootaxa

Issue: 1462

Page : 41-60

Cited by: 2

Link: [Scopus Link](#)

Correspondence Address: David, P.; UMS 602 Taxinomie-collection - Reptiles and Amphibiens, Département Evolution et Systématique, Muséum National d'Histoire Naturelle, 57 rue Cuvier, F-75231 Paris Cedex 05, France; email: pdavid@mnhn.fr

ISSN: 11755326

Language of Original Document: English

Abbreviated Source Title: Zootaxa

Document Type: Article

Source: Scopus

Authors with affiliations:

- David, P., UMS 602 Taxinomie-collection - Reptiles and Amphibiens, Département Evolution et Systématique, Muséum National d'Histoire Naturelle, 57 rue Cuvier, F-75231 Paris Cedex 05, France
- Bain, R.H., Center for Biodiversity and Conservation, Division of Vertebrate Zoology (Herpetology), American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024, United States
- Truong, N.Q., Institute of Ecology and Biological Resources, Vietnamese Academy of Science and Technology, 18 Hoang Quoc Viet St., Hanoi, Viet Nam
- Orlov, N.L., Laboratory of Herpetology and Ornithology, Zoological Institute, Academy of Sciences, 199034 St. Petersburg, Russian Federation
- Vogel, G., Society for Southeast Asian Herpetology, Im Sand 3, D-69115 Heidelberg, Germany
- Thanh, V.N., Centre for Natural Resources and Environmental Studies, Vietnam National University, Hanoi, Viet Nam, University of Science, Faculty of Biology, Department of Vertebrate Zoology, 334 Nguyen Trai Str., Thanh Xuan, Hanoi, Viet Nam
- Ziegler, T., AC Zoologischer Garten Köln, Riehler Str. 173, D-50735 Köln, Germany

References:

- Bourret, R. 1936. Les Serpents de l'Indochine. Tome II. Catalogue systématique descriptif. - Toulouse, Henri Basuyau et Cie: 1-505
- David, P., Das, I., A new species of the snake genus *Amphiesma* (Serpentes: Colubridae: Natricinae) from western Sumatra, Indonesia (2003) *Raffles Bulletin of Zoology*, 51 (2), pp. 413-419
- David, P., N. Orlov, G. Vogel & T. Ziegler. In prep. On the status of *Parahelicops annamensis* Bourret, 1934 (Squamata: Colubridae: Natricinae)
- David, P., Vogel, G., Pauwels, O.S.G., On the occurrence of *Amphiesma bitaeniatum* (Wall, 1925) in Vietnam, with preliminary remarks on the group of *Amphiesma parallelum* (Boulenger, 1890) (Serpentes, Colubridae, Natricinae) (2005) *Salamandra*, 41 (4), pp. 725-735
- Dowling, H.G., A proposed standard system of counting ventrals in snakes (1951) *British Journal of Herpetology*, 1 (5), pp. 97-99
- Malnate, E.V., Systematic division and evolution of the colubrid snake genus *Matrix*, with comments on the subfamily Natricinae (1960) *Proceedings of the Academy of Natural Sciences of Philadelphia*, 112 (3), pp. 41-71
- Malnate, E.V., The relationships of five species of the Asiatic natricine snake genus *Amphiesma* (1962) *Proceedings of the Academy of Natural Sciences of Philadelphia*, 114 (8), pp. 251-299
- Malnate, E.V., Underwood, G., Australasian natricine snakes of the genus *Tropidonophis* (1988) *Proceedings of the Academy of Natural Sciences of Philadelphia*, 140 (1), pp. 59-201
- Nguyen, V. S., Ho, T. C. & Nguyen, Q. T., 2005. *Danh lục Êch nhái và Bò Sát Việt Nam*. A checklist of Amphibians and Reptiles of Vietnam. Hanoi, Nhà Xuất Ban Nông Nghiệp (Agri. Publishing House): 1-180 (in Vietnamese)
- Pope, C. H. 1935. The reptiles of China. Turtles, crocodilians, snakes, lizards. American Museum of Natural History, New York, *Natural History of Central Asia*: i-xlii + 1-604, Pis. 1-27
- Smith, M. A., 1943. The Fauna of British India, Ceylon and Burma, including the whole of the Indo-Chinese Sub-region. Reptilia and Amphibia. III. - Serpentes. London, Taylor & Francis: i-xii, 1-583
- Taylor, E.H., The serpents of Thailand and adjacent waters (1965) *University of Kansas Science Bulletin*, 45 (9), pp. 609-1096
- Zhao, E. M., M. H. Huang, Y. Zong, J. Zheng, Z. J. Huang, D. Yang & D. J. Li (Eds.). 1998. *Fauna Sinica. Reptilia 3. Squamata Serpentes*. Beijing, Science Press: i-xvii + 1-522, Pls. I-VIII, Col. Pis. I-IV (in Chinese)
- Ziegler, T., (2002) *Die Amphibien und*

Reptilien eines Tieflandfeuchtwald-Schutzgebietes in Vietnam, pp. 1-342. , Münster, Natur und Tier-Verlag GmbH

- Ziegler, T., Herrmann, H.-W., Vu, N.G., Le, K.Q., Nguyen, T.H., Cao, X.C., Luu, M.T., Dinh, H.T., The amphibians and reptiles of the Phong Nha - Ke Bang National Park. Quang Binh Province, Vietnam (2004) Hamadrvad, 28 (1-2), pp. 19-42
- Ziegler, T., Le, K.Q., A new natricine snake of the genus *Amphiesma* (Squamata: Colubridae: Natricinae) from the central Truong Son, Vietnam (2006) Zootaxa, 1225, pp. 39-56