

## NEW NAMES FOR TWO EUROPEAN VOLES.

The names current for two European members of the genus *Pitymys* can not remain in use: *Pitymys ibericus fuscus*, applied in 1908\* to a Spanish animal, is invalidated by *Arvicola agrestis fuscus* of Fatio, 1900,† a synonym of *Pitymys subterraneus*,‡ and *P. selysii* (Gerbe) 1852§ is antedated by *Arvicola selysii* Bonaparte 1845|| published as a synonym of *P. savii*. To replace these untenable names I would suggest *Pitymys ibericus pascuus* and *Pitymys druventius* respectively.

—Gerrit S. Miller, Jr.

## NOTE ON THE SCALES OF THE OSTEOGLOSSID FISHES.

In these Proceedings, XXIII, p. 111, I described the scales of *Heterotis*. I am now indebted to Dr. Boulenger for a scale of *Scleropages formosus* (or *Osteoglossum formosum*) from Sarawak. It is very large, about 49 mm. diameter, and nearly circular. The reticulated radial pattern is wonderfully complete, and consists of intersecting curved lines which divide the scale into small areas about  $1\frac{1}{2}$  to 2 mm. in diameter, more or less square, but with a corner pointing to the scale-margin. The very fine circuli are moniliform throughout; it is evident that the moniliform circuli distinguish the scales of Osteoglossidæ from those of Mormyridæ, in which there is no tendency to beading. The rough greyish-brown skin is as in *Heterotis*, and very much as in the Mormyrid *Gymnarchus*.

The Eocene fossil *Dapedoglossus testis* Cope, from Wyoming, shows the characteristic Osteoglossid reticulation, but in the apical field the radii are not broken up or united; so the sculpture approaches rather the condition of the Mormyrids.

—T. D. A. Cockerell.

\* Miller, Ann. and Mag. Nat. Hist., 8th ser., I. p. 206, February, 1908.

† Revue Suisse de Zool., VIII, p. 472.

‡ See Mottaz, Bull. Soc. Zool. de Genève, I. p. 159, November 15, 1908.

§ Rev. et Mag. de Zool., 2nd ser., IV. p. 159, March, 1852.

|| Atti Sesta Riun. Sci. Ital., Torino, 1844, p. 350. 1845.



Cockerell, Theodore D. A. 1911. "Note on the scales of the osteoglossid fishes." *Proceedings of the Biological Society of Washington* 24, 39–39.

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