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## ADDITIONAL REMARKS ON SPIX TYPES IN THE RIJKSMUSEUM VAN NATUURLIJKE HISTORIE, LEIDEN

by

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Recently Hoogmoed & Gruber (1983) provided detailed information on the type material of Spix and Wagler, which was long thought to have been destroyed. After this article was written, a specimen of *Physalaemus albifrons* Spix, collected by Spix, surfaced in the collection of the Rijksmuseum van Natuurlijke Historie (RMNH). Details on this specimen are provided.

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During a recent reorganisation of the herpetological collection of the Rijksmuseum van Natuurlijke Historie, a specimen of *Physalaemus albifrons* Spix, collected by Spix, was found that was not included in the detailed study of Spix types in the collections of Munich and Leiden by Hoogmoed & Gruber (1983).

In his description of *Bufo albifrons*, Spix (1824:48) only mentioned two specimens from Bahia. Peters (1873) and Méhely (1904) also mentioned that they had examined "the two types" and provided data on the snout-vent length (25 and 28 mm), morphology and colour-pattern. In the Munich collection we only found data in the register on two specimens (ZSMH 49/0 and 50/0\*), which could not be found and should be considered lost. The discovery of the present specimen (RMNH 2272, Brazil, leg. Spix) presents a (slight) problem. Apparently Spix originally had more than the two specimens he

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\*) ZSMH = Zoologische Staatssammlung München.

mentioned in his description, as RMNH 2272 was received in 1824 under the name *Bufo albifrons* Spix from Munich. Differences between the numbers of specimens mentioned by Spix (1824) and those actually found in the Munich and Leiden collections are known to occur (e.g. in *Bufo albicans*, cf. Hoogmoed & Gruber, 1983: 371) and were considered unimportant because of demonstrable contradictions in different parts of the text. In all these cases both the material present in Munich and that in Leiden were considered part of the series of syntypes, because they served to establish Spix's ideas about the pertinent taxon. Thus, I consider this specimen the last remaining syntype of *Bufo albifrons* Spix and here designate it as lectotype. If it might turn out that this specimen was not one of Spix's syntypes, it can be considered a neotype. The specimen agrees well with the description and with the drawing on pl. XIX fig. 2, for which it could very well have served as model, because several details of the pattern (e.g. banding of hindlimbs, light stripe on flank, spots on upper lip) closely agree with the specimen at hand. The specimen is in perfect condition and is only slightly bleached, the pattern still visible. The muscles at the corners of the jaw are cut, a thread to which a glass bulb is attached pierces the chin and I cut open the left flank. It is an adult female with small oviducal eggs and it has the following morphological data: snout-vent length 23.7 mm, head length 8.2 mm, head width 9.3 mm, tibia lengths 11.3/11.0 mm.

This paper also offers the opportunity to report a correction that should be made in table 4 of Hoogmoed & Gruber (1983: 402). In this table ZSMH 43/0\*), one of the syntypes of *Hyla trivittata* Spix was reported lost. In the meantime this specimen has been found in Munich.

## LITERATURE

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