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## New concepts and methods for phylogenetic taxonomy and nomenclature in zoology, exemplified by a new ranked cladonomy of recent amphibians (Lissamphibia): corrigenda and addenda

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Just after the publication of our paper (Dubois *et al.* 2021), we discovered that, in Table 1, pages 443 and 444 are identical, and the actual page 443 is missing. We here provide this page, and we took this opportunity to correct a few other errors in this paper. We provide below corrections only in the case of misspellings or other errors that may induce misunderstandings of our text, not for pure format problems (concerning punctuation, parentheses, italics, bold and capital letters), which do not impede understanding of our text.

[1] Page 71, entry {e2}, line 1.

Replace:  
 auctor(s)  
 by:  
 auctor(es)

[2] Page 71, entry {e3}, line 1.

Replace:  
 auctor(s)  
 by:  
 auctor(es)

[3] Page 139, line 1.

Replace:  
 Paez-  
 by:  
 Páez-

[4] Page 153, first entry *Diagnosis*, line 6.

Delete:  
 first finger shorter than second;  
*Note.* Davor Vrcibradic (personal communication) wrote to us: “Actually, the first finger is usually longer than the second in *Fritziana* (this is how I learned to differentiate

males of *Fritziana goeldii* from those of the superficially similar *Scinax trapicheiroi* in the field).” Our diagnosis was taken from Duellman (2015), but the situation is more complicated. Among the seven species currently referred to this genus, only two (*F. izecksohni* and *F. ulei*) have I < II (Miranda-Ribero 1926, Folly *et al.* 2018), the species *F. mitus*, *F. tonimi* and *F. goeldii* have I > II (Boulenger 1895, Walker *et al.* 2016, 2018), and *F. fissilis* and *F. ohausi* have either I < II or I = II (Miranda-Ribero 1926, Heyer *et al.* 1990). Therefore this character is not diagnostic of the genus and of the subfamily and should be deleted from the diagnoses of both taxa.

[5] Page 172, first paragraph, last line but one.

Replace:  
*Espadrana*  
 by:  
*Espadarana*

[6] Page 223, paragraph *Comments*, last but one line.

Replace:  
*Hylambates maculatus* Duméril, 1953  
 by:  
*Hylambates maculatus* Duméril, 1853

[7] Page 349, column 1, reference 10.

Replace:  
 Paez-Vacas,  
 by:  
 Páez-Vacas,

[8] Page 371, entry *Auctorship*, line 1.

Replace:  
**ETY:** see *Scriptor*.  
 by:  
**ETY:** see *Auctor*.

[9] Page 374, entry **Dendrogram**, line 2.  
Replace:  
Mayr *et al.* 1953: 58 81 (see Brower 2016).  
by:  
Mayr *et al.* 1953: 58, 175 (see Brower 2016).

[10] Page 378, entry **External airesy**, line 2.  
Replace:  
**auctor(s)**  
by:  
**auctor(es)**

[11] Page 382, entry **Internal airesy**, line 1.  
Replace:  
**auctor(s)**  
by:  
**auctor(es)**

[12] Page 383, entry **Klonon**, line 2.  
Replace:  
pathenogenesis  
by:  
parthenogenesis

[13] Page 384, entry **Lethakronym**, line 3.  
Replace:  
*Code*: no term.  
by:  
*Code*: *nomen oblitum*.

[14] Page 384, entry **Mandatory**.  
This entry should be after the entry **LZP**.

[15] Page 384, entry **Mandatory ending correction**, line 1.  
Replace:  
nothograh  
by:  
nothograph

[16] Page 384, entry **Mandatory spelling correction**, line 1.  
Replace:  
nothograh  
by:  
nothograph

[17] Page 385, entry **Monophyletic**, lines 3–4.  
Replace:  
but including either all of them (see holophyletic or only some of them (see *paraphyletic*);  
by:  
but including either all of them (see *holophyletic*) or only some of them (see *paraphyletic*);

[18] Page 443.  
Replace the page 443 of Appendix **A2.TREE-1** in the original paper by the page provided hereafter.

[19] Page 454, entry **Genus-series nomen or apograph**, paragraph 2, line 2.  
Replace:  
authors or scriptors  
by:  
auctores or scriptores

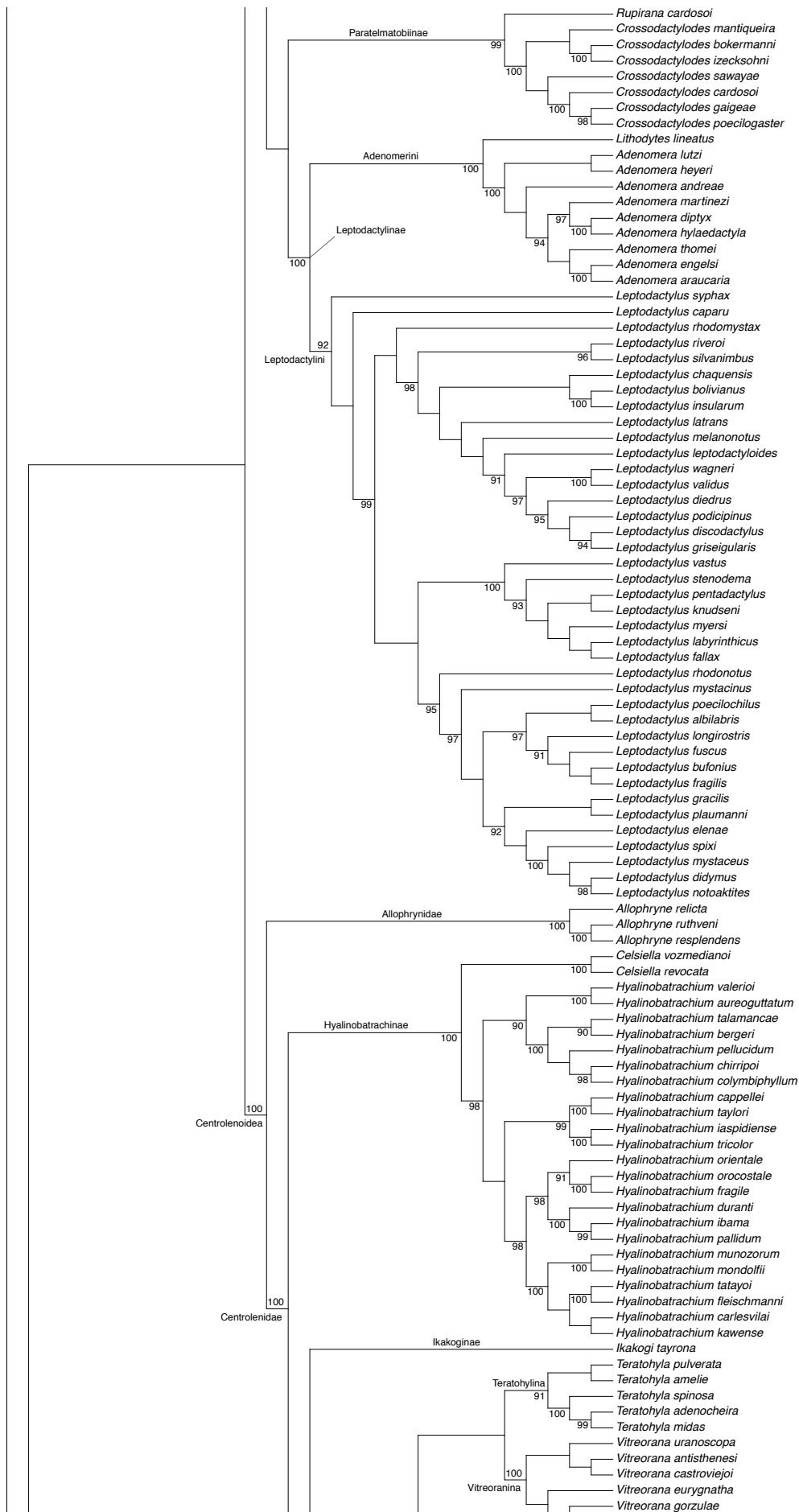
[20] Page 454, entry **Genus-series nomen or apograph**, paragraph 5, lines 3–4.  
Replace:  
scriptor(s),  
which is not followed by a comma.  
by:  
scriptor(es),  
which is/are not followed by a comma.

[21] Page 496, column 3, entry *Huicundomantis*, line 1.  
Replace:  
Paéz  
by:  
Páez

[22] Pages 525 and 690, nomen *Paraheleioporus* Hoser, 2019.

*Note*. This nomen is the only one established by Raymond Hoser mentioned in our paper, as an invalid synonym, but this author established many other amphibian nomina, of the species-, genus- and family-series, in the volumes 33, 39, 43, 44–46, 47 and 47–91 of the *Australasian Journal of Herpetology*. Following a controversial paper by Kaiser *et al.* (2013), the nomenclatural status of this journal and of all these nomina are currently hotly debated in the taxonomic community. This case involves a number of scientific (both taxonomic and nomenclatural), ethical and sociological questions, and it could and should, in our opinion, not be solved by individual or collective actions of zoologists, but by a decision of the International Commission on Zoological Nomenclature. However, the Commission has not yet voted on the Case 3601 (Hoser 2013), which requests a confirmation or infirmation of the availability of these works and nomina. In the meanwhile, waiting for this long overdue decision, we consider the status of these nomina as yet unsettled (i.e., neither available nor unavailable, and therefore neither valid nor invalid), and we consider useless to list these new nomina here.

[23] Page 551, column 2, lines 11 and 12, and page 705, line 2.  
Replace:  
*pennatribus*  
by:  
*pennatulus*



[24] Page 718, entry 23 G: *AquiloEURYCEA*, line 4.

Replace:

*Thornea*

by:

*Thornella*

**Note.** The spelling *Thornea* appears only once in our paper, being a misprint for *Thornella* which is used throughout the rest of the paper. Therefore, formally this new nomen was first published under two spellings which qualify as ‘multiple original spellings’ (Article 32.2.1) or symprotographs. Acting here as ‘first revisers’ (arbiters), we hereby select *Thornella* as the ‘correct original spelling’ (eugraph) of this nomen.

[25] Page 738, paragraph 5.

**Note.** In the note added in proofs of our paper, we mentioned that the respective priority between our new nomen *Bahius* and the nomen *Heyerus* Motta *et al.*, 2021, which both have the same type species, would be settled by the dates of the publication of the final versions of the respective papers. Our paper was published in *Megatata* on 26 February 2021, and Motta *et al.*’s final version of their paper in the ‘April 2021’ issue 3 of the volume 59 of the *Journal of zoological Systematics and evolutionary Research*, published in fact not in April but on 25 March 2021, according to the website of this journal (<<https://onlinelibrary.wiley.com/journal/14390469/>>). Therefore, *Bahius* has priority over *Heyerus* and is the valid nomen of this genus.

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