

SHORT COMMUNICATION

ARIOPHANTA HUBERI THACH, 2018
IS NOT A PULMONATE, BUT A JUVENILE
POLLICARIA ROCHEBRUNI (MABILLE, 1887)
(GASTROPODA: CYCLOPHOROIDEA: PUPINIDAE)

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ABSTRACT: Two new synonyms of the pupinid *Pollicaria rochebruni* (Mabille, 1887) are recognised here. Namely, *Hybocystis balansai* Mabille, 1889, and *Ariophanta huberi* Thach, 2018. The former was found in the collection of the Muséum National d'Histoire Naturelle (Paris), and was not included in the recent revision of the genus *Pollicaria*, whereas the latter was described based on a single juvenile shell somewhat reminiscent of a helicarionid shell.

KEY WORDS: synonym, taxonomy, Vietnam, land snail

THACH (2018) described three new genera and 132 species and subspecies of molluscs, mainly from Southeast Asia. Among them, he named *Ariophanta huberi* Thach, 2018 based on a single specimen. However, the holotype of *A. huberi* is a juvenile *Pollicaria rochebruni* (Mabille, 1887) (Pupinidae, Caenogastropoda),

not an *Ariophanta* (Ariophantidae, Heterobranchia) (BOUCHET et al. 2017). Additionally, here we report another synonym of *P. rochebruni* (*Hybocystis balansai* Mabille, 1889), which was not included in the recent revision of *Pollicaria* (KONGIM et al. 2013).

TAXONOMIC PART

Class: Gastropoda
Subclass: Caenogastropoda
Superfamily: Cyclophoroidea Gray, 1847
Family: Pupinidae L. Pfeiffer, 1853

Genus: *Pollicaria* Gould, 1856
Pollicaria GOULD 1856: 14.

Pollicaria rochebruni (Mabille, 1887)
Hybocystis rochebruni MABILLE 1887: 12.

Hybocystis balansai Mabille, 1889 **new synonym**
Pollicaria rochebruni, KONGIM et al. 2013: 35–37, figs 5D–E, 6E.
Ariophanta huberi Thach, 2018 (THACH 2018: 41, figs 548–549 (4 figs)) **new synonym**

Material examined: Mt. Bavy (Tonkin) [Ba Vi Mountain Range, northern Vietnam, northwest of Hanoi], Muséum National d'Histoire Naturelle, Paris, France (MNHN) (2 syntypes of *Hybocystis balansai*; Fig. 1); no locality, 2 syntypes of *Hybocystis*

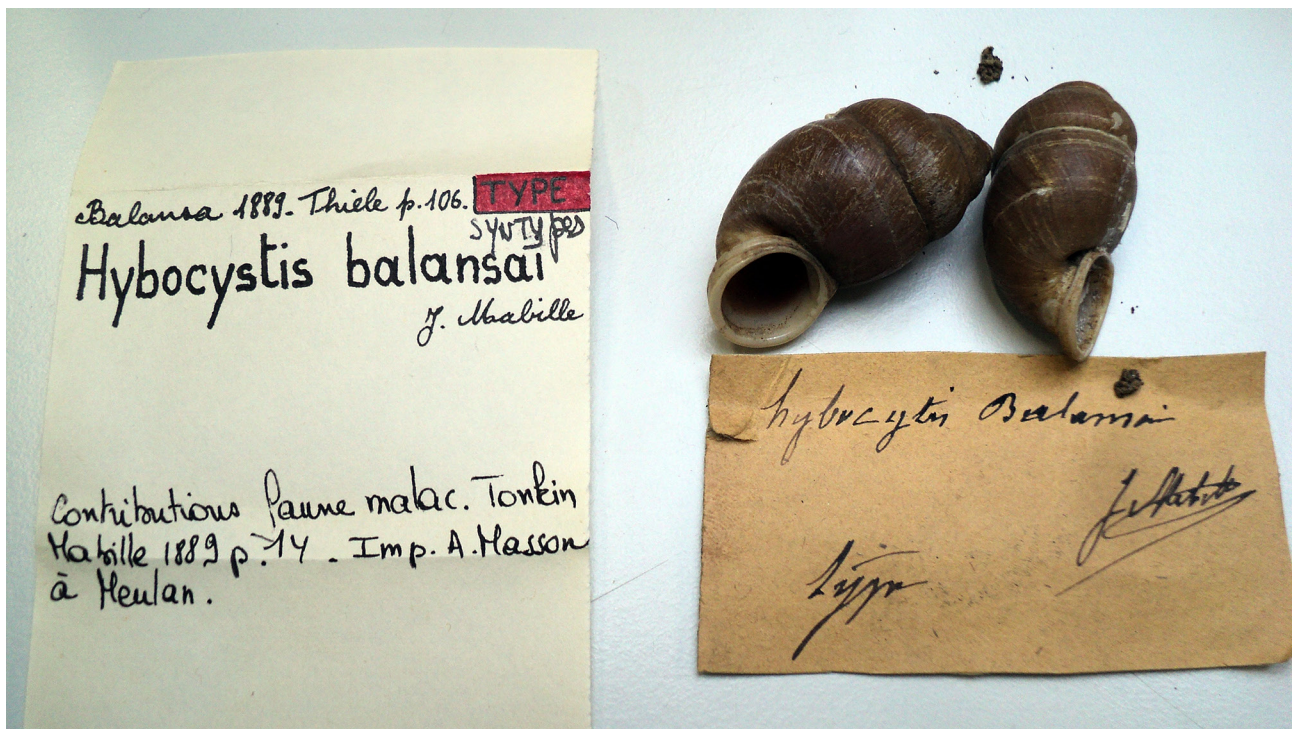


Fig. 1. Syntypes of *Hybocystis balansai* Mabille, 1889 (synonym of *Pollicaria rochebruni* (Mabille, 1887))

balansai, MNHN; Ninh Hòa District, Khánh Hòa Province, Vietnam, holotype of *Ariophanta huberi* (MNHM-IM-2000-34094).

Remarks: The holotype of *Ariophanta huberi* is a juvenile *Pollicaria* shell. A similar mistake was made by BENSON (1856), who described a juvenile shell of *Pollicaria gravida* (Benson, 1856) as *Otopoma blennus* Benson, 1856 (BENSON 1859, KONGIM et al. 2013).

Ariophanta huberi was described from Ninh Hòa District, Khánh Hòa Province of southern Vietnam. The geographically closest *Pollicaria* species is *Pollicaria rochebruni* (Mabille, 1887), which is reported from the vicinity of Da Nang (approx. 430 km from the type locality of *Ariophanta huberi*). Although the geographic distance and the juvenile condition of the holotype leaves some doubts about the identity of “*Ariophanta huberi*”, the size, shell colour and the generally large distributional area of *Pollicaria* species suggest that it is a synonym of *P. rochebruni*.

REFERENCES

- BENSON W. H. 1856. Characters of seventeen new of the Cyclostomacea from the British Provinces of Burmah, collected by Theobald W., jun., Esq. *Annals and Magazine of Natural History Series 2*, 17: 225–233. <https://doi.org/10.1080/00222935608697501>
- BENSON W. H. 1859. Observation of shell and animal of *Hybocystis*, a new genus of Cyclostomidæ, based on *Megalostoma gravidum* and *Otopoma Blennus*, B.; with notes

on other living shells from India and Burmah. *Annals and Magazine of Natural History Series 3*, 4: 90–93. <https://doi.org/10.1080/00222935908697091>

BOUCHET P., ROCROI J. P., HAUSDORF B., KAIM A., KANO Y., NÜTZEL A., PARKHAEV P., SCHRÖDL M., STRONG E. E. 2017. Revised classification, nomenclator and typification of gastropod and monoplaco-

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- phoran families. *Malacologia* 61: 1–526. <https://doi.org/10.4002/040.061.0201>
- GOULD A. A. 1856. [Dr. A. A. Gould presented the following descriptions of Shells]. *Proceedings of Boston Society of Natural History* 6: 11–16.
- GRAY J. E. 1847. A list of genera of recent Mollusca, their synonyma and types. *Proceedings of the Zoological Society of London* 15: 129–219.
- KONGIM B., SUTCHARIT C., NAGGS F., PANHA S. 2013. Taxonomic revision of the Elephant Pupinid snail genus *Pollicaria* Gould, 1856 (Prosobranchia, Pupinidae). *ZooKeys* 287: 19–40. <https://doi.org/10.3897/zookeys.287.4617>
- MABILLE J. 1887. *Molluscorum Tonkinorum Diagnoses*. A. Masson, Meulan.
- MABILLE J. 1889. *Contributions à la faune macalogique [sic!] du Tonkin*. A. Masson, Meulan.
- PFEIFFER L. 1853. *Catalogue of Phaneropneumona or terrestrial operculated Mollusca in the collection of the British Museum*. Woodfall & Kinder, London.
- THACH N. N. 2018. *New shells of South Asia. Seashells-landsnails-freshwater shells. 3 new genera, 132 new species & subspecies*. 48HRBooks Company, Akron, Ohio, USA.

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