

BEAUFORTIA

SERIES OF MISCELLANEOUS PUBLICATIONS

ZOOLOGICAL MUSEUM OF THE UNIVERSITY OF AMSTERDAM

No. 199

Volume 15

May 17, 1968

Dedicated to Professor Dr. H. Engel

Carinigera dextrorsa (O. Boettger, 1877) home again at last
(Gastropoda, Clausiliidae)

F. E. LOOSJES

ABSTRACT

Freshly collected material, from near Veria (Macedonia), has confirmed that the terra typica of *Carinigera dextrorsa* (O. Boettger) really is Macedonia and not Syria as was supposed during the last half century.

This family of landsnails, the Clausiliidae, just like many other groups, turns out to comprise several, if not many species or subspecies, that were described without any knowledge of the type locality. Later finds will have to give us information on the area of distribution of the species, as happened for instance in the case of *Pseudonenia obesa* (von Martens, 1867).

Sometimes only very insufficient data on the area where the type specimen(s) came from are known. This is the case with *Pseudonenia (Juttingia) schlueteri* (O. Boettger, 1879). The type specimen was found in "coffee from the East Indies". Presumably its cradle therefore must have been on one of the islands of Java or Sumatra, both exporting coffee in big quantities almost a century ago. The discovery of an allied species on Java in 1958 (*Ps. (J.) fucosa* Loosjes) seems to support this conclusion.

A more serious problem arises when a species was described from a country where it does not occur at all. Such a situation, I think, exists in *Nesiophaedusa bernardii* (L. Pfeiffer, 1861). This species was described as from Siam (Thailand). As Pilsbry (1901) stated, it was never rediscovered in that country by later collectors, but it turned out to be closely related to *Nesiophaedusa crenilabium* (Pilsbry, 1901) from Okinawa Island. In fact, no *Nesiophaedusa* species have become known up till now from outside the Loo Choo chain, and as Pilsbry observed: "in the same volume of the "Journal de Conchyliologie" several species from Japan and the Loo Choo Islands were described".

Thiele (1931) did not take a decision, he stated: *Hemiphaedusa* (*Nesiophaedusa*) *bernardii* (L. Pfeiffer) "In Siam bis Japan".

Kuroda (1941) agrees with Pilsbry that the species is found on Okinawa; he cannot confirm its occurrence in Siam. Kuroda thinks that the confusion might have come into being because in old publications the indication "Ryu-Kyu" was often used for China as a whole. Later this was not realized and China and Ryu-Kyu were then understood to be two different areas. Moreover, Kuroda stated that *Nesiophaedusa crenilabium* Pilsbry, 1901, *N. excelens* Pfeiffer, 1861, and *N. ptychochila* O. Boettger, 1877 are at best varieties of *N. bernardii*.

Thus Zilch (1960) mentioned *N. bernardii* (sic!) from the "Liukiu Inseln" only.

These were some cases in which the type locality was not known or even wrongly stated. However, it also occurs that the type locality is properly mentioned, but that there still is real doubt on its correctness. I think of „*Cristataria*“ *dextrorsa* (O. Boettger, 1877), which was collected in "Macedonien" according to W. Schlüter, who furnished the two type specimens.

In 1885 Boettger stated: "Auch die bisher provisorisch bei *Cristataria* untergebrachte macedonische *Cl.[ausilia] dextrorsa* Bttg. und ... würden in die Nähe [von *Cl. (Papillifera) stussineri* Bttg.] gehören, und diese 4 Arten somit einen kleinen Formenkreis (*Bathyclista m.*) innerhalb der Section *Papillifera* bilden".

Boettger (1888) observed that this group links the species of true *Papillifera* with *Cristataria*, *Albinaria* and even with *Delima*.

However, the two last mentioned ideas on the species got no attention. The preliminary incorporation into *Cristataria* by the author gave rise to doubts on the correctness of the type locality.

Westerlund (1901) mentioned *Cristataria dextrorsa* as well as *C. colbeauiana* (L. Pfeiffer) from Antiochia. Germain (1921) in his paper on the molluscs from Syria recorded "*Cl. (Cristataria) dextrorsa*" from Syria without further information. Wagner (1924) also mentioned Syria as the origin of the species. This was done only, since, according to the last mentioned authors, a *Cristataria* species, should occur in Syria and not in Macedonia.

Brandt (1962) studied the type specimens of *Clausilia dextrorsa* and agreed with O. Boettger as to the resemblance with *Carinigera parnassia* (Boettger). He stated that Macedonia thus is not unlikely to be the region of origin and if this were correct, that *dextrorsa* would be then the first dextral *Delima*.

In this respect it is of definite importance that Mr. M. Loosjes and Mr. W. J. Wolff collected 14 specimens of „*Clausilia dextrorsa*“ near Veria (Macedonia), S.W. of Thessaloniki in 1964. I compared the specimens with the type material, kindly put at my disposal by Dr. Zilch of the Senckenberg Museum at Frankfurt am Main and found them to be identical. *Carinigera dextrorsa* (O. Boettger) is thus home again at last.

LITERATURE

- BOETTGER, O.
1877 Clausilienstudien: 1—122. (Cassel).
1879 Neue recente Clausilien III. — *Jahrb. deutsch. malakozool. Ges.*, **6** : 101—107.
1885 Aufzählung der in Thessalien gesammelten Gastropoden. — *Jahrb. deutsch. malakozool. Ges.*, **12** : 158—200.
1888 Ueber einige neue oder bemerkenswerte Landschnecken aus Griechenland. — *Nachr. Bl. deutsch. malakozool. Ges.*, **20** : 51—58.
- BRANDT, R.
1962 Ueber neue und wenig bekannte Clausiliiden. — *Arch. Molluskenk.*, **91** : 127—150.
- GERMAIN, L.
1921 Mollusques terrestres et fluviatiles de Syrie, I. — *Voyage zoologique d'Henri Gadeau de Kerville en Syrie*, **2** : 1—523.
- KURODA, T.
1941 Notes on *Clausilia bernardi* and its allies. — *Venus*, **10** : 173—176.
- LOOSJES, F. E.
1965 Some views on Indo-Australian *Phaedusinae* and the establishment of a new subgenus. — *Basteria*, **29** : 30—36.
- MARTENS, E. VON
1867 Die preussische Expedition nach Ost-Asien, (Zool.) **2**, Die Landschnecken : 3—447.
- PFEIFFER, L.
1861 Description d'une nouvelle espèce de Clausilie. — *J. de Conch.*, **9** : 267—268.
- PILSBRY, H. A.
1901 The land mollusks of the Loo Choo Islands, Clausiliidae. — *Proc. Acad. nat. Sci. Philad.*, **53** : 409—424.
- THIELE, J.
1931 Opisthobranchia, Pulmonata. — *Handbuch der systematischen Weichtierkunde*, **1** (2) : 377—778.
- WAGNER, A.
1924 Systematisches Verzeichnis der mir heute bekannten Arten und Formen der Clausiliiden, III. *Pr. zool. panst. Muz. pryzr. (Annls. zool. Mus. pol. Hist. nat.)*, **3** : 99—127.
- WESTERLUND, A.
1901 *Synopsis Molluscorum in Regione Palaeartica viventium, ex typo Clausilia Drap.*: 1—203. (St. Petersburg).
- ZILCH, A.
1960 *Euthyneura*, in: W. WENZ, *Gastropoda*. — *Handbuch der Paläozoologie*, **6**, **2** (3): 401—600.

DR. F. E. LOOSJES
Vossenlaan 4
Wageningen-Hoog — The Netherlands