

**On a small collection of land Mollusca from Surinam
(Dutch Guyana)**

by

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1. INTRODUCTION

In 1959 Dr. J. VAN DER DRIFT collected quantitative samples of the soil fauna in several localities in the neighbourhood of Paramaribo. After his return to the Netherlands he asked me to identify the molluscs in these samples. Save some specimens too young or too much damaged for identification the collection contains 18 species, 11 of which have apparently not earlier been recorded from Surinam. Although these new records are mostly of species widely spread in the Caribbean region, it seems worth while to publish a list of the species found by Dr. VAN DER DRIFT. The species apparently new to the fauna of the country are marked by an asterisk. The material has been deposited in the Rijksmuseum van Natuurlijke Historie at Leiden.

The situation of the localities is as follows. Dirkshoop: about 40 km W. of Paramaribo; Tambahredjo and Sidoredjo: about 10 km W. of Dirkshoop; La Poulle: about 20 km SW. of Paramaribo. The „shell ridges” are Quaternary deposits of marine shells, apparently forming a calcareous soil favourable to the life of land Mollusca.

2. ANNOTATED LIST OF THE SPECIES

Lucidella lirata (Pfeiffer)

Vernhout, 1914, Notes Leyden Mus., vol. 36, p. 26.

Tambahredjo (woodland on shell ridge; tomato field on shell ridge, first year under cultivation; marshy wood on sandy loam); Sidoredjo (shrub on shell ridge; watermelon field on shell ridge).

Vaginulus (Angustipes) linguaeformis Semper

Hoffmann, 1925, Jen. Zeitschr. Naturw. (N. F.), vol. 61, p. 251.

La Poule (dense vegetation of weeds in a watermelon field on sand).

**Vaginulus (Latipes) occidentalis* (Guilding)

Baker, 1926, Proc. Ac. Nat. Sci. Philadelphia, vol. 78, p. 29.

?, Dirkshoop (*Citrus* orchard on sand); Tambahredjo (woodland on shell ridge). The identification of the specimen from Dirkshoop is uncertain, because the genitalia are too immature for showing the essential characters. According to BAKER this species „has invaded most cultivated areas around the Caribbean”.

**Gastrocopta (Gastrocopta) servilis oblonga* (Pfeiffer)

Pilsbry, 1916, Man. Conch. (2) vol. 24, p. 90, pl. 17 figs. 9, 14, 15.

Tambahredjo (woodland on shell ridge); Sidoredjo (shrub on shell ridge).

A specimen from Nickerie recorded as „*Pupa eyriesi* Drouet” by VERNHOUT (1914, p. 20), of which PILSBRY (1920 p. 52) doubted the identification, appears to belong to this form.

**Gastrocopta (Geminidens) geminidens* (Pilsbry)

1917, Man. Conch. (2) vol. 24, p. 228, pl. 28 figs. 12, 13, 14 (*Bothrio-pupa* g.); 1930, Proc. Ac. Nat. Sci. Philadelphia, vol. 82, p. 351.

Tambahredjo (woodland on shell ridge); Sidoredjo (shrub on shell ridge).

**Pupisoma dioscoricola insigne* Pilsbry

1920, Man. Conch. (2) vol. 26, p. 39, pl. 4 figs. 6, 7, 8.

Tambahredjo (woodland on shell ridge).

**Pupisoma minus* Pilsbry

1920, Man. Conch. (2) vol. 26, p. 40 pl. 4 figs. 9, 11.

Tambahredjo (woodland on shell ridge).

**? Pupisoma spec.*

Tambahredjo (woodland on shell ridge). This specimen is of the same order of size as *P. minus* and has a similar sculpture. The whorls are, however, lower and more convex and the suture is deeper.

**Ceciliooides consobrina* (d'Orbigny)

Pilsbry, 1908, Man. Conch. (2) vol. 20, p. 39, pl. 5 figs. 81, 82.
 Tambahredjo (woodland on shell ridge). The specimen clearly shows a spiral sculpture when examined under a high power lens (30 X).

Subulina octona (Bruguière)

Vernhout, 1914, Notes Leyden Mus., vol. 36, p. 19.
 Sidoredjo (watermelon field on sand).

Leptinaria unilamellata (d'Orbigny)

Vernhout, 1914, Notes Leyden Mus., vol. 36, p. 20 (*L. lamellata*).
 Sidoredjo (watermelon field on shell ridge). The two empty adult shells on which this record is based belong to the var. *concentrica* (Reeve); in both the parietal lamella is wanting. Very young specimens from the same locality and from Tambahredjo (woodland on shell ridge; tomato field on shell ridge, first year under cultivation) probably belong to this species too.

Lamellaxis (Leptopeas) micra (d'Orbigny)

Vernhout, 1914, Notes Leyden Mus., vol. 36, p. 18 (*Opeas m.*).
 Tambahredjo (woodland on shell ridge); Sidoredjo (shrub on shell ridge; watermelon field on shell ridge).

Synopeas beckianum (Pfeiffer)

Vernhout, 1914, Notes Leyden Mus., vol. 36, p. 19 (*Opeas b.*).
 Tambahredjo (woodland on shell ridge; tomato field on shell ridge, first year under cultivation; marshy wood on sandy loam); Sidoredjo (shrub on shell ridge; watermelon field on shell ridge).

**Varicella cf. clappi* Pilsbry

1907, Man. Conch. (2) vol. 19, p. 109, pl. 18 figs. 24, 25.
 Tambahredjo (tomato field on shell ridge, first year under cultivation). One empty shell which is almost certainly conspecific with the specimens from a hothouse in Utrecht (Netherlands) recorded by MEEUSE & HUBERT (1949, p. 18). Just as in these specimens I fail to see a false umbilicus. There seem to be no other records from outside Jamaica.

**Thysanophora (Lyroconus) plagiptycha* (Shuttleworth)

Pilsbry, 1940, Land Moll. N. America, vol. 1 part 2, p. 989, fig. 576.
 Tambahredjo (tomato field on shell ridge, first year under cultivation).

? Happia spec.

Tambahredjo (woodland on shell ridge). Three empty shells belong to a species smaller than *H. (Happiella) surinamensis* (Pfeiffer); their umbilicus is wider and the spire is higher.

Euconulus (Euconulus) ernsti (Jousseaume)Vernhout, 1914, Notes Leyden Mus., vol. 36, p. 6 (*Conulus e.*).

Tambahredjo (woodland on shell ridge; marshy wood on sandy loam).

**Euconulus (Pseudoguppya) cassiquiensis* (Pfeiffer)

Baker, 1925, Occ. Papers Mus. Zool. Univ. Michigan, no. 156, p. 10, pl. VI fig. 25, pl. VII fig. 31.

Tambahredjo (tomato field on shell ridge, first year under cultivation); Sidoredjo (watermelon field on sand).

3. REFERENCES

VERNHOUT, J. H., 1914. The non-marine molluscs of Surinam. Notes Leyden Mus., vol. 36, pp. 1-46, 1 textfig., pls. 1 (except figs 15a, b), 2.

PILSBRY, H. A. 1920. Manual of Conchology (2) vol. 26, pp. 1-64, pls. 1-8.

MEEUSE, A. D. J., & B. HUBERT, 1949. The mollusc fauna of glass-houses in the Netherlands. Basteria, vol. 13, pp. 1-30, 2 textfigs., pls. 1-3.

SAMENVATTING

Dit artikel bevat een lijst van de landslakken aangetroffen door Dr. J. VAN DER DRIFT in bodemonsters, die hij in 1959 in de omgeving van Paramaribo verzamelde. In totaal konden 18 soorten gedetermineerd worden, waarvan 11 niet eerder uit Suriname gemeld waren. De meeste van deze zijn soorten met een wijde verspreiding in het Caraïbische gebied.