XXVIII.—*Descriptions of Nine new Species of Land-Shells from New Caledonia.* By H. B. Preston, F.Z.S.

When recently working through a quantity of New Caledonian land-shells I found a number of forms which seemed to be difficult of determination; these I submitted to Mr. G. K. Gude, who, with his unfailing courtesy, assisted me in identifying a certain number. There were, however, several species which Mr. Gude suggested might be new, and having compared these carefully with all available material, I now venture to describe them as follows:—

*Charopa ahenae*, sp. n. (Fig. 1.)

Shell depressed, subdiscoidal, thin, bronze-coloured; whorls 3–4, sculptured with moderately fine arcuate ribs; sutures presenting an almost channelled appearance; umbilicus rather wide; aperture lunate; peristome simple.

Alt. 2, diam. maj. 4.5 mm.
Aperture: alt. 1.25, diam. 1 mm.

*Hab.* New Caledonia.

This form shows some affinity with *C. dispersa*, Gass. *, the chief characters which separate it from that species being its more depressed spire, rather coarser sculpture, and shallower and narrower umbilicus; it has also one whorl less than *C. dispersa*.

*Charopa Margueritae*, sp. n. (Fig. 2.)

Shell depressed, rather thin, yellowish-brown, blotched, streaked, and spotted with chestnut; whorls 4–5, sculptured with fine arcuate ribs; spire slightly sunken; sutures deeply impressed; umbilicus wide; peristome simple; columella descending very obliquely; aperture obliquely lunate; interior of shell bearing a callus on the parietal whorl.

Alt. 2.25, diam. maj. 6.25 mm.
Aperture: alt. 2.25, diam. maj. 1 mm.

*Hab.* New Caledonia.

In some respects allied to *C. vetula*, Gass. †. It is, however, much larger and more depressed; it is not so closely coiled,


and the chestnut painting readily separates it from that species.

**Charopa Gwendolinoae**, sp. n. (Fig. 3.)

Shell orbicular, bearing traces of having been covered with a rich brown periostracum; spire concave; whorls 5–6, rather closely coiled, sculptured with fine, closely-set, arcuate ribs, the last whorl descending somewhat abruptly near the peristome; sutures impressed; umbilicus deep, moderately wide; peristome simple; aperture lunate.

Alt. 3, diam. maj. 6 mm.
Aperture: alt. 3, diam. 1 mm.
**Hab.** New Caledonia.

Easily separated from the other *Charopa* described from this region by its sunken spire and closely coiled whorls.
Charopa Marionae, sp. n. (Fig. 4.)

Shell depressed, subcarinate, somewhat pellucid, pale yellowish horn-colour, indistinctly blotched and streaked with light chestnut; whorls 3, sculptured with closely set arcuate ribs, the last whorl flattened obliquely; sutures impressed; umbilicus very wide; peristome simple; aperture ovate.

Alt. 2, diam. maj. 6·25 mm.
Aperture: alt. 2, diam. 2·25 mm.
Hab. New Caledonia.

Chiefly remarkable for the excessively wide umbilicus, which easily distinguishes it from any other species hitherto described from New Caledonia.

Charopa vicina, sp. n. (Fig. 5.)

Resembling C. Marionae in general outline; it is, however, rather smaller, higher in the spire, more carinate, and of a uniform rich brown colour; the arcuate ribs are much finer, the sutures not so well impressed, and the umbilicus is deeper and rather narrower.

Alt. 2·75, diam. maj. 5·75 mm.
Aperture: alt. 2, diam. maj. 1·75 mm.
Hab. New Caledonia.

Charopa Gassiesiana, sp. n. (Fig. 6.)

Shell narrowly perforate, thin, somewhat transparent, yellowish horn-colour; whorls 3, regularly sculptured, with rather distant broad and rounded ribs; sutures impressed; peristome simple; columella descending obliquely and slightly reflexed outwards; aperture roundly lunate, a callosity appearing inside the shell upon the parietal whorl.

Alt. 2·5, diam. maj. 5 mm.
Aperture: alt. 2, diam. maj. 1·5 mm.
Hab. New Caledonia.

Mr. Gude considers this species to be closely allied to C. melita, Gass.*; it is, however, much smaller and more swollen, and shows no signs of carination; the umbilicus is also very much narrower and the sculpture is a great deal coarser than is the case with C. melita.

I have much pleasure in dedicating this pretty little species to the memory of the late Jean Baptiste Gassies, whose

Monograph of the Terrestrial and Fluviatile Mollusca of New Caledonia is invaluable to the student of the conchological fauna of that island.

*Charopa (Tropidotropis *) Gudei, sp. n. (Fig. 7.)*

Shell discoidal, sharply carinate, covered with a slightly lamellose periostracum; spire flat; whorls 3–4, painted with purple flame-markings, which appear as blotches near the sutures; sutures impressed; base of shell very convex; umbilicus moderately broad, deep; peristome simple; aperture securiform.

Alt. 2·75, diam. maj. 7·25 mm.
Aperture: alt. 2, diam. 3 mm.

*Hab.* New Caledonia.

Readily separable from its ally *T. trichocoma*, Crosse †, by its narrower umbilicus and by its less lamellose periostracum; moreover the spire is not quite so flat as is the case with *T. trichocoma*.

*Ostodes vitreus, sp. n. (Fig. 8.)*

Shell depressedly turbinate, transparent, pale horn-colour; whorls 4–5, the last three sculptured with spiral lirae, obsolete only on the base near the aperture; sutures well impressed; umbilicus rather wide and deep; peristome serrated by the termination of the spiral lirae; aperture subcircular; columella curved, a callosity joining it with the lip above; operculum paucispiral, horny, concave.

Alt. 5·25, diam. maj. 7·5 mm.
Aperture: diam. 2·5 mm.

*Hab.* New Caledonia.

The present species may be compared with *Ostodes upolensis*, Moussa, from Upolu; it is, however, more depressed, the sculpture is coarser and more regular, and there are no traces of crenulation; moreover it is much thinner and more transparent than is the case with *O. upolensis*.

*Acmella (Solenomphala) turbinata, sp. n. (Fig. 9.)*

Shell perforate, turbinate, smooth, polished, brownish horn-colour, indistinctly streaked with grey; whorls 5, the last three very convex; sutures deeply impressed; umbilicus moderately wide; peristome simple; columella descending

in a curve and reflexed outwards over the umbilicus; aperture roundly ovate; operculum concave, horny, paucispiral.

Alt. 3·75, diam. maj. 3·25 mm.

Aperture: alt. 1·25, diam. 1 mm.

Hab. New Caledonia.

Somewhat closely allied to *Hydrocena caledonica*, Crosse*; it is, however, smaller, has one whorl more, is not so globose, and is darker in colour; the sutures are not so deep and the base is less convex; moreover it is easily recognizable from *H. caledonica* by its much less variegated appearance, the grey streaks in *A. turbinata* being only visible in a strong light.

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**XXIX.—Descriptions of new Genera and Species of Syntomidae, Arctiidae, Agaristidae, and Noctuidae.** By Sir George F. Hampson, Bart., F.Z.S.


The numbers before the species indicate their position in the classification adopted in those volumes. The types are in the British Museum.

**Syntomidae.**

11 a. *Ceryx albipuncta*, sp. n.

♂. Head, thorax, and abdomen black-brown; frons white; tegulae with lateral white patches; patagia with white streaks on outer edge; dorsum of thorax with white streak, metathorax with whitish patch; sides of pectus and coxae with white patches; hind femora streaked with white; abdomen with dorsal series of small whitish spots except at extremity and complete ventral series of whitish bands. Fore wing black-brown; a wedge-shaped hyaline patch in cell; a patch in submedian interspace from base to near termen, its lower edge indented by a small dark tooth at middle; a spot above base of vein 2; a postmedial streak above vein 6 and slight streak above 7; elongate spots above veins 4, 3. Hind wing black-brown, with small hyaline

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