

IV.—*Descriptions of Five New Genera of Mollusca.*

By HENRY and ARTHUR ADAMS.

MANY interesting forms of Mollusca have been made known since the publication of their 'Genera' by the authors; and many, doubtless, yet remain undiscovered. Several entirely new types from Japan have recently been described in the 'Annals' by one of the authors; and in this communication will be found notices of five others, which are also supposed to be forms new to science. Some of these, unfortunately, are from localities at present unknown to us.

Genus *LEUCONYX*, H. & A. Adams.

Testa interna? unguiformis, spathulacea, alba, extus convexa, intus concava, impressione musculari nulla, marginibus inflexis, apice involuto, uncinato, producto, cryptiformi.

This genus is founded on a remarkable shell in the possession of R. Tyler, Esq., and appears at first sight to belong to Capulidæ. The interior, however, is not marked by any horse-shoe muscular impression. After repeated examination and comparison, we have arrived at the conclusion that its real affinities are with Aplysiidæ, and especially with the genus *Dolabella*, from which it differs principally in the contorted unguiculate apex, which forms a cryptiform cavity somewhat similar to that of *Navicella* and *Crypta* (*Crepidula* of Lamarck). On account of its colour, form, and texture, we may consider it to have been an internal shell, and covered by the mantle of the animal.

Leuconyx Tyleriana, H. & A. Adams.

L. testa spathuliformi, antice dilatata, postice unguiculata, alba, tenui, superficie longitudinaliter substriata lineisque concentricis incrementi insculpta; margine dextro concavo, brevior, sinistro rectiusculo, longiore; apice intorto, intus concamerato.

Hab. —?

Genus *BACULA*, H. & A. Adams.

Testa subulata, claviformis, imperforata, tortuosa, solida, tota transversim striata. Apertura ovata, antice integra, producta; labio incrassato, calloso; labro simplici, margine acuto, in medio producto.

In its subulate form and tortuosity this little genus resembles *Eulima*, all the species of which, however, are glabrous or polished. In *Bacula* the whorls are transversely striated, and the inner lip is circumscribed and callous.

Bacula striolata, H. & A. Adams.

B. testa subulato-claviformi, imperforata, sordide alba, tota transversim striata; anfractibus circa duodecim, planatis, ultimo ad peri-

phariam vix angulato; apertura acuminato-ovata; labio arcuato, incrassato; labro in medio subproducto.

Hab. China Sea.

Genus LEIOPYRGA, H. & A. Adams.

Testa turbinato-turrita, perforato-umbilicata, tenuis, porcellana, lævis, nitida. Apertura subcircularis, spira brevior; labio tenui; columella angusta, excavata, incurvata; labro simplici, margine acuto.

This genus is established on a shell which by some would be regarded as a thin, umbilicated *Phasianella* or *Eutropia*. It has, indeed, somewhat of the aspect of *Bankivia*, the interior of the aperture not being nacreous; but the columella does not end in the Achatinoid truncation peculiar to that genus. The animal and operculum of *Leiopyrga* are unknown.

Leiopyrga picturata, H. & A. Adams.

L. testa subturrita, perforata, tenui, lævi, lineolis longitudinalibus undulatis, rufescentibus, ad suturas saturatioribus et punctatis pulcherrime picta; anfractibus $6\frac{1}{2}$, convexis, subimbricatis, longitudinaliter substriatis, transversim obsolete sulcatis; suturis profundis, marginatis.

Hab. —?

The shell is thin, porcellanous, shining, and very prettily marked with red-brown wavy lines, which assume, at the sutures and at the periphery of the last whorl, the appearance of dark round spots. The specimen from which our description is taken is in the collection of R. Tyler, Esq.

Genus TAHEITIA, H. & A. Adams.

Testa elongata, subcylindrica, decollata; anfractibus longitudinaliter costellatis. Apertura ovata, anfractu penultimo late sejuncta; peristomate continuo, extrorsum expanso.

Operculum testaceum, laminis erectis, radiantibus, excentricis instructum.

We have considered it necessary to distinguish this remarkable Tahitian shell from the other species of *Truncatella* on account of the shelly operculum, which is furnished with erect, radiating lamellæ. The last whorl is curiously porrected, as is the case in the genus *Cylindrella*.

Taheitia porrecta, Gould.

Truncatella porrecta, Gould, Otia Conch. p. 40.

Genus CHROMOTIS, H. & A. Adams.

Testa ovata, auriformis, imperforata, tenuis, lævis, polita; spira ob-

tusa, brevissima; anfractibus rapide crescentibus, ultimo magno. Apertura elliptica; columella complanata.

Operculum calcareum.

Chromotis neritina, Dunker.

Phasianella neritina, Dkr. Zeitschr. für Malakoz. 1846, p. 110; Krauss, Südafrik. Moll. tab. 7. f. 6; Phil. Kuster's Chem. Conch. Cab., Phasianella, taf. 5. f. 6.

Gena lineata, A. Adams, Proc. Zool. Soc. 1850; Sow. Thesaur. Conch., Stomatellinæ, pl. 178. f. 26, 27.

Hab. Cape of Good Hope.

Dr. Krauss observes that the operculum is the same as that of *Phasianella capensis*, Dkr.

V.—On new Species of Snakes in the Collection of the British Museum. By ALBERT GÜNTHER, M.A., M.D., Ph.D.

[Plate III.]

THE following species of Ophidians, previously desiderata in the Collection of the British Museum, have been procured since the publication of a paper on the same subject in this Journal (January 1862, p. 52). The total number of species in that collection is now raised to 627, and that of the typical specimens to 189. Those marked with an asterisk (*) are new.

**Cercocalamus collaris*. Central America. A. Günther.

**Brachyurophis semifasciata*. Baranquilla, at the mouth of the River Magdalena (New Granada). Purchased.

**Leptodira leucocephala*. Bahia. Dr. O. Wucherer.

Leptognathus variegatus, Schleg. British Guiana.

Hoplocephalus bitorquatus (*Alecto bitorquata*, Jan). Clarence River. This snake is rare. Two specimens were contained in the collection sent by Mr. Krefft to the International Exhibition.

Hoplocephalus signatus (*Alecto signata*, Jan). Clarence River. Sent by Mr. Krefft.

Furina bimaculata, D. & B. Western Australia. Purchased.

Neelaps calonotus (*Furina calonotus*, D. & B.). Baranquilla. Purchased.

Bothrops pictus (*Lachesis pictus*, *Tschudi*). Peru. Presented by Professor Nation, of Lima.

Teleuraspis brachystoma (*Bothriechis brachystoma*, Cope, Proc. Acad. Nat. Sc. Phil. 1861, p. 295). Lower Vera Paz. Messrs. Godman & Salvin.

— *nummifera*, Rüpp. Lower Vera Paz. Messrs. Godman & Salvin.

**Pæcilstolus burtonii*. West Africa. Major Burton.