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8, *convexiusculis*, ultimo  $\frac{1}{3}$  longitudinis vix æquante, convexiore; *columella perarcuata*, abrupte truncata; *apertura verticali*, irregulariter ovali; *perist. simplice*, recto, margine dextro leviter arcuato.

Long. 18, diam. 8 mill.

*Hab.* ———?

16. *ACHATINA MANIENSIS*, Pfr. *A. testa subrimata*, ovato-oblonga, solidula, *sublævigata*, pallide cornea; *spira convexo-turrita*, apice obtusa; *sutura marginata*; *anfr.* 6, vix *convexiusculis*, ultimo  $\frac{2}{5}$  longitudinis subæquante, basi subcompresso; *columella verticali*, introrsum subtorta, ad basin *aperturæ subrhombéo-ovalis truncatula*; *perist. simplice*, obtuso, margine *columellari reflexiusculo*, adnato.

Long. 7, diam. 3 mill.

*Hab.* Mani, Sandwich Islands (Dr. Newcomb).

### 3. DESCRIPTIONS OF ELEVEN NEW SPECIES OF CYCLOSTOMACEA, FROM THE COLLECTION OF H. CUMING, ESQ.

BY DR. L. PFEIFFER.

1. *CYCLOSTOMA (CYCLOPHORUS) ALABASTRINUM*, Pfr. *C. testa umbilicata*, *subdepresso-turbinata*, solida, *sublævigata*, spirally minutissime striata, *alabastrina*; *spira turbinata*, sursum livido-fusca, apice *convexiuscula*; *anfr.* 5, *convexis*, celeriter *acrescentibus*, ultimo *periphæria obsolete subangulato et antice rudimenta fasciæ castaneæ exhibente*, basi inflato; *umbilico angusto*, vix pervio; *apertura vix obliqua*, circulari; *perist. fulvo-carneo*, continuo, breviter adnato, crasso, undique reflexo, margine sinistro subdilato.

Diam. maj. 45, min. 34, alt. 25 mill.

*Hab.* Ceylon (Mr. Thwaites).

2. *CYCLOSTOMA (CYCLOPHORUS) POLYNEMA*, Pfr. *C. testa umbilicata*, *depresso-turbinata*, tenuiuscula, oblique striatula et liris filiformibus confertissimis, subtus *obsolete*, cincta, superne flammis angulosis læte castaneis et albidis variegata; *spira brevi*, turbinata, apice obtusula; *anfr.*  $4\frac{1}{2}$ , *convexiusculis*, rapide *acrescentibus*, ultimo ad suturam antice subplanato, *periphæria obsolete angulato et fascia lata*, nigro-fusca, deorsum diluta ornato, circa *umbilicum medicrem pallido*; *apertura obliqua*, subrotundata, latiore quam alta; *perist. albo*, continuo, breviter adnato, margine dextro *expansiusculo*, *columellari breviter revoluto*.

Diam. maj. 33, min. 26, alt. 17 mill.

*Hab.* ———?

3. *CYCLOSTOMA (CYCLOPHORUS) EXCELLENS*, Pfr. *C. testa umbilicata*, *subturbinato-depressa*, solida, confertim spirally

*sulcata, parum nitida, fusco-aurantiaca, strigis angustis, fulguratis, albis elegantissime picta; spira breviter turbinata, apice corneo, obtusulo; anfr. 5, convexis, rapide accrescentibus, ultimo carina funiformi alba et adjacente linea rufa cincto, superne turgido, juxta suturam excavato, basi pallido, circa umbilicum late infundibuliformem subangulato; apertura parum obliqua, subcirculari, intus margaritaceo-alba; perist. pallide carneo, continuo, breviter adnato, superne subangulato, margine dextro breviter patente, sinistro anguste reflexo.*

Diam. maj. 53, min. 42, alt. 24 mill.

Hab. — ?

4. **CYCLOSTOMA (CYCLOPHORUS) SPIRONEMA**, Pfr. *C. testa umbilicata, subturbinato-depressa, solida, liris crebris filiformibus sculpta, superne læte castaneo et albido variegata; spira brevi, vertice acutiusculo; sutura submarginata; anfr. 4, convexis, rapide accrescentibus, ultimo juxta suturam subplanato, ad peripheriam rotundatam fascia alba et infra eam altera læte castanea ornato, circa umbilicum latiusculum sublævigato, pallido; apertura vix obliqua, subangulato-circulari; perist. continuo, breviter adnato, vix expanso, ætate in tubum mediocrem, spiraliter striatum, producto.*

Diam. maj. 28, min. 22½, alt. 14 mill.

Hab. India.

5. **CYCLOSTOMA (CYCLOPHORUS) THWAITESI**, Pfr. *C. testa late umbilicata, depressa, subdiscoidea, tenui, subconfertim arcuato-striata, nitidula, luteo-fulva, strigis angulosis castaneis eleganter flammata; spira subplana, vertice vix prominulo; sutura profunda; anfr. 4, modice convexis, celeriter accrescentibus, ultimo terete, antice vix descendente; apertura fere diagonali, ovali-rotundata; intus submargaritacea; perist. simplice, acuto, marginibus fere contiguis, callo tenui junctis, dextro expansiusculo, columellari subreflexo.*

Diam. maj. 12, min. 9, alt. 5 mill.

Hab. Ceylon (Mr. Thwaites).

6. **CYCLOSTOMA (LEPTOPOMA) FLAMMEUM**, Pfr. *C. testa angustissime umbilicata, elongato-conica, tenui, oblique leviter striatula, fulva, strigis angulatis rufis ornata; spira elevata, conica, apice acutiuscula, pallida; sutura profunda; anfr. 6, perconvexis, lente accrescentibus, ultimo rotundato; apertura parum obliqua, subcirculari, intus concolore; perist. simplice, recto, marginibus breviter disjunctis, columellari subdilato, patente.*

Diam. maj. 8, min. 7, alt. 8 mill.

Hab. Ceylon (Mr. Layard).

7. **CYCLOSTOMA (LEPTOPOMA) CONULUS**, Pfr. *C. testa anguste umbilicata, conica, tenui, epidermide corneo-fulva, distanter membranaceo-costulata induta; spira regulariter conica, apice*

*obtusiuscula*; anfr. 5, sensim accrescentibus, subangulato-convexis, ultimo liris sub 6 distinctis filiformibus cincto; apertura parum obliqua, subangulato-circulari; perist. simplice, acuto, vix expansiusculo, marginibus subdisjunctis, columellari reflexiusculo.

Diam. maj. 4, min.  $3\frac{2}{3}$ , alt.  $3\frac{1}{2}$  mill.

Hab. Ceylon (Mr. Thwaites).

8. *CYCLOSTOMA* (*ADAMSIELLA*?) *LONGICOLLE*, Pfr. *C. testa penitus perforata, oblongo-turrita, truncata, tenuiuscula, liris spiralibus obsoletis et costulis confertis, acutiusculis clathrata, albida, seriatim rufo-punctata; spira convexo-turrita; sutura profunda, minutissime crenulata; anfr. superst.  $4\frac{1}{2}$ , convexis, ultimo subterete, dorso vix angulato, antice longe soluto, oblique descendente; apertura obliqua, circulari; perist. duplice: interno breviter porrecto, externo dilatato, latere columellari subexciso, præterea rectangulariter patente, spiraliter substriato, rufo-radiato.*

Long. max. 17, diam. anfr. penult. 8 mill.

Hab. Jamaica.

9. *CYCLOSTOMA* (*CYCLOSTOMUS*) *PARVISPIRUM*, Pfr. *C. testa angustissime umbilicata, globoso-conica, solidula, sublævigata, nitidula, flavida, fascia 1 angusta, spadicea infra peripheriam, sæpeque aliis interruptis ornata; spira parvula, conoidea, apice acutiuscula; anfr.  $4\frac{1}{2}$ , modice convexis, celeriter accrescentibus, ultimo ventroso, circa umbilicum liris nonnullis elevatis munito; apertura vix obliqua, ovali-rotundata, superne vix angulata; perist. simplice, recto, ad anfr. penultimum breviter interrupto, margine columellari reflexiusculo. Operc. C. elegantis.*

Diam. maj. 12, min. 10, alt. 9–10, mill.

Hab. —?

10. *CYCLOSTOMA* (*CHONDROPOMA*?) *PUNCTICULATUM*, Pfr. *C. testa anguste perforata, ovato-oblonga, truncata, liris spiralibus levibus, costulisque illas transgredientibus confertissimis sculpta, cereo-albida, seriebus spiralibus punctulorum ruforum ornata; spira subturrita; sutura eleganter et subremote dentata; anfr. superst. 4, modice convexis, regulariter accrescentibus, ultimo antice soluto, dorso carinato, infra medium lineis nonnullis rufis cincto; apertura verticali, subelliptica, superne angulata, basi subeffusa; perist. simplice, continuo, undique breviter expanso.*

Long. 10, diam. 5 mill.

Hab. West Indies.

11. *CYCLOSTOMA* (*CHONDROPOMA*?) *ANGUSTATUM*, Pfr. *C. testa vix perforata, oblongo-turrita, truncata, solidula, liris spiralibus costisque confertioribus obtuse clathrata, fulvo-lutea, fasciis interruptis castaneis picta; spira convexo-turrita; sutura confertim et acute crenata; anfr. superst.  $4\frac{1}{2}$ , convexiusculis, ul-*

*timo angustato, basi confertius spiraliter sulcato, antice vix soluto; apertura verticali, ovali-rotundata; perist. subduplicato, undique breviter expanso, superne subangulato.*

Long, 16, diam. 7 mill.

*Hab.* — ?

4. ON THE GENUS MULLERIA, SOWERBY, OR  
ACOSTÆA, D'ORBIGNY.

BY DR. JOHN EDWARD GRAY, F.R.S., P.B.S., V.P.Z.S.

(Mollusca, Pl. XXIX.)

M. d'Orbigny has very kindly transferred to me the specimens of the shells which he described, in the 'Rev. et Mag. Zool.' 1851, under the name of *Acostæa Guaduasana*, and which he had received from Rio Sero near Guadual (Rio Magdalena) in Bogota. The examination of the specimens proves the truth of the supposition which I formerly expressed, that Mr. Sowerby's genus *Mülleria* was described from an imperfect specimen of this shell which had lost its umbones, with the young free state of the shell attached to them, in the manner so characteristic of this genus.

The series of specimens consists of a pair, not in a very perfect condition, and without the produced umbo of the attached valve, like the specimen described by Mr. Sowerby, but in a less worn condition, four specimens of the attached valve, and several of the free upper one.

The series of attached valves is curious, as showing the very different state of the umbo, the manner in which the free valves are modified before one of the valves becomes fixed; also the manner in which the upper free valves separate from the free part by a natural crack, when the free valves become united together by their edges, forming a shelly tube. In two of the specimens this crack takes place almost immediately behind the posterior end of the symmetrical free shell; in two of the others, the hinder part of the free shell is dilated into a triangular irregular portion before the hinder older part of the upper valve separates from the young one; in one of these the triangular tube thus formed is narrow and elongate; in the other, broad, forming a nearly equilateral triangular cavity under the umbo of the attached valve.

In three of the five specimens the shell is attached by the outer surface of the right valve, and in the other two by that of the left valve; the three specimens attached by the right valve exhibit all the three variations in the form of the umbo, viz. the absence of the free shell (fig. 1.), the small (fig. 2.), and the large and much-dilated (fig. 3.) state of it.

There can be no doubt, as far as one can undertake to determine from the examination of the shell alone, of the affinity of this genus with *Etheria*, from which it appears only to differ in the very small size, or indeed in the total absence of the anterior adductor muscle. Like *Etheria*, the lower valve is rather attached to the stones and