

232. *TRINGA PUSILLA*, Wilson, Am. Orn. v. p. 32; Aud. B. Am. 8vo, v. p. 280. pl. 337.

Sallé, no. 212.

233. *QUERQUEDULA CYANOPTERA* (Vieill.), Cassin, B. Cal. p. 82. pl. 15.

July 22, 1856.

Dr. Gray, F.R.S., in the Chair.

1. ON A NEW TANAGER OF THE GENUS *CALLISTE*.

By PHILIP LUTLEY SCLATER, M.A., F.Z.S. ETC.

Mr. P. L. Sclater exhibited two specimens of a new Tanager of the genus *Calliste* (making a fifty-second species of that form) which he had just received from MM. Jules and Edouard Verreaux of Paris, and characterized it under the name of

CALLISTE RUFIGENIS.

C. cærulescenti-viridis, interscapulio obscuriore : loris, capitis lateribus et regione auriculari cum mento summo rufis : alarum remigibus fusco-nigris, cuprescenti-viridi limbatis : cauda fusco-nigra virescente marginata : subtus virescentior quam supra, abdomine medio, tibiis et tectricibus subalaribus albescenti-ochraceis : crisso rufescenti-ochraceo : rostro et pedibus nigris.

Long. tota 5·0, alæ 2·7, caudæ 1·7.

Hab. Venezuela (*Verreaux*).

Remark.—This *Calliste* is rather noticeable for showing less decided tints of colouring than is usual in birds of this group. It may, I think, most naturally be placed next to *Calliste labradorides* (Boiss.), but it is readily distinguishable from that species and its congeners by the rufous ear-coverts and want of black colouring on the back.

2. OBSERVATIONS ON THE *PTEROPUS* OF AUSTRALIA.

By J. K. E. FAIRHOLME.

The acquisition of a Flying Fox to the Gardens of the Society, induces me to bring before your notice a few observations I have made on the habits of this animal in the country about Moreton Bay, on the east coast of Australia, about lat. 27° south.

The flying fox is well known even in the southern parts of Australia in the summer months; but by far the largest flights are seen in the warmer latitudes. The attention is generally attracted to them (just as daylight disappears) by the heavy flapping sound of their

wings, as they fly in great numbers overhead, all in the same direction. These flights often continue to pass for many hours together on the way to their feeding-places, generally about the banks of rivers, where the tree known as the Flooded-gum grows, on the leaves of which they feed. Though scattered over a large extent of country while feeding at night, they all contrive to assemble again to spend the heat of the day together, and when the flight is large, the scene of congregation is most extraordinary. I am fortunate enough to have known two of these places of assembly—one on a small island in Moreton Bay, covered with dense scrub or jungle; another in the scrub, close to my former residence, about forty miles inland from the Bay. In the latter spot the scrub consists of the usual undergrowth of smaller trees, mixed with *bush ropes*, or lianes, and overtopped by enormous Moreton Bay pine-trees (*Araucaria Cunninghami*). On the nearly horizontal branches of the pines, as well as on the lower trees around, the flying foxes hang in vast numbers. I can never forget my astonishment as I approached this spot for the first time, being taken to it for the purpose of shooting some of the animals for the natives. The space occupied by the flight was, as near as I could judge, about 400 or 500 yards square, and in this, every tree was more or less loaded with them, all hanging with their heads downwards, and uttering a sound difficult to describe, but not unlike that of young rooks when crying for food. All that were not snarling and fighting for places, were steadily fanning themselves with their wings half extended as they hung. On our approach, most of those nearest to us took to flight, only to alight again on the next tree, or to wheel round and round in the air above the spot. On my firing a shot, the din increased, and continued to such an extent, that after I had shot what the blacks required, I was glad to get away from it. Many had young ones clinging to them, and suckling at the breast. This flight met in the same spot for several days, and then disappeared. The flesh of the flying fox is like that of a rabbit in appearance, but is strongly flavoured by the food on which the animal feeds.

On the coast of Moreton Bay the natives live principally on fish, and the arrival of the flying foxes on the little island of St. Helena is hailed by them as a change of diet. The flights only appear in the warmer months of the year, even in lat. 26° , and most likely migrate into the tropical latitudes during the colder months, like many of our Australian birds.

At Moreton Bay there is no difficulty in procuring any number of young flying foxes, as the island on which they congregate is close to the anchorage for ships.

3. FIRST STEPS TOWARDS A MONOGRAPH OF THE RECENT SPECIES OF PETALOCONCHUS, A GENUS OF VERMETIDÆ.

By PHILIP P. CARPENTER.

Genus PETALOCONCHUS, Lea.

H. C. Lea, Trans. Am. Phil. Soc. 1843, vol. ix. p. 229; Woodw. Man. Moll. pt. iii. p. 462; B.M. Cat. Mazatlan Moll. p. 308.

Animal *ignotum*.

Operculum (speciebus ii.) *parvum, corneum, diaphanum, tenuissimum, parum concavum; cicatrice centrali; anfractibus paucis, vix apparentibus.*

Testa *extus Bivoniæ similis; intus transversim rarissime septata; anfractibus medianis laminis elongatis spiralibus varie dispositis, cameram sæpe pæne secantibus; plerumque duabus, plica columellari una.*

Hab. Mare Mediterraneum; Oceanum Atlanticum, Pacificum, Indicum.

Shell of corkscrew growth, glomerate, or single, affixed by one side of the whirls; earlier and later whirls open; middle whirls divided by spiral laminæ, often of complex structure, which gradually pass away at each end; generally two, nearly meeting, with a third rudimentary, forming a columellar plait.

The elimination of the species is a work requiring great care; as some outside exactly resemble certain species of *Bivonia*; and as the internal structure varies according to the position in which the shell is broken, a few whorls often altering the character very decidedly. The structure was first observed by Lea in fossil species; it was not noticed, however, in subsequent works till the publication of the third part of Woodward's Manual. In the mean time, having carefully observed the structure in the Mazatlan species, Dr. Gray kindly allowed me to examine the specimens in the British Museum collection, and Mr. Cuming entrusted to my care the suspected specimens among his invaluable stores. The result of these inquiries is now offered, simply as a provisional introduction to the subject; in the hope that those who have the means of laying open specimens from top to bottom will do so, and especially that those who have access to them in a living state will inquire what peculiarity in the animal is co-ordinate with so remarkable a structure in the shell.

A. *Laminis ab axi procedentibus.*

I. PETALOCONCHUS MACROPHRAGMA, n. s. (fig. 1.)

B.M. Mazatlan Cat. no. 359. p. 309.

P. t. parva, dextrali, dense purpureo-fusca; cylindracea, solute spirali, marginibus spiræ sæpe subparallelis; plerumque glomerante, interdum solitaria; basi ad conchas, seu altera ad alteram, constrictæ adhærente, sæpe erodente; superficie rugis

irregularibus spiralibus haud extantibus, et rugulis incrementi ornata; intus, anfr. primis et ultimis quoad iv. apertis; mediis laminatis; lamina superiore multo majore, prius conspicua, a columella extante; primum simplici; dein angulo recto reflexa, extus carinis i.-iii. quarum ii. acutissimæ; lamina inferiore simplici, a columella extante, alteræ juxta carinam fere attingente; lamina tertia minima, intercalante, inferiori pæne attingente; laminis tenuissimis, albis, diaphanis, lineis incrementi conspicuis; pagina interna maxime nitente, transversim haud septato.

Diam. spiræ .23, aperturæ .07.

Hab. Mazatlan; haud rare Uvanillis, Cumis, Muricibus, &c., adhærentes; *Reigen.* Panama. Mus. Cuming.

In this little species, the structure is the most delicate and complex of any of the species examined. For particulars v. B.M. Cat.

2. PETALOCONCHUS COCHLIDIUM, n. s. (fig. 2.)

P. t. irregulariter spirali, glomerata, anfr. plurimis confertis; spiræ marginibus fere parallelis; dense rubro-fusca; rugis spiralibus iii. in basi aliis, interstitiis cancellatis, profunde interpunctatis; sculptura sæpe obsoleta; intus, laminis duabus ab axi procedentibus, tenuissimis; superiore majore, ad angulam obtusam curvata, carinis duabus validis labrum versus instructa; inferiore minore, alteram versus procedente, interstitio satis magno; lamina tertia parva intus super inferiorem sita.

Diam. spiræ .2, aperturæ .08 poll.

Hab. Australia. Mus. Cuming.

This species is known from *P. macrophragma* by the upper lamina being bent at a more obtuse angle, and by the third lamina being proportionally large, growing out of the second. The shell is of a lighter colour, and of larger growth. Occasionally other small keels and plaits are seen. In one specimen (near the attachment of the locality ticket) occurs the extremely unusual appearance of a septum traversing the laminæ. Sometimes there is a false appearance of septa in shells of this genus, from other *Vermetidæ* growing in the same group, or from adventitious matter.

3. PETALOCONCHUS FLAVESCENS, ? n. s. (fig. 3.)

P. t. irregulariter spirali, glomerata, parva; anfractibus maxime confertis, marginibus spiræ subparallelis; rubido-flavescente; rugis spiralibus iii.-iv. validis, transversis minoribus, confertis, interstitiis parum punctatis; sculptura interdum obsoleta; intus per maximam partem laminata, laminis duabus ab axi procedentibus, tenuissimis; superiore majore, fornicata; inferiore recta, interstitio magno; per anfractus paucos lamina superiore bicarinata, per anfr. pauciores lam. inferiore bifurcata, laminulis subparallelis.

Diam. spiræ .14, aperturæ .06 poll.

Hab. Sicilia. Mus. Cuming.

This shell may have been already described by Phil. as a *Vermetus*,

but as the *Bivonia* can hardly be discriminated from the *Petal-conchi* by external characters, it seemed presumptuous to attempt a union. Shell externally closely allied to *B. subcancellata*, Phil., from which it is principally known by the smaller size and stronger sculpture. Internally it most resembles *P. cochlidium*, from which it may be distinguished by the absence of keels on the upper lamina during a large part of the length; and by the general absence of the third plait, which, when it appears, is like another fold of the lower lamina in the same direction.

B. *Laminis a parietibus procedentibus.*

4. PETALOCONCHUS VARIANS?, D'Orb. (fig. 4.)

? An *Vermetus varians*, B.M. Cat. D'Orb. Moll. p. 47. no. 405.

P. t. nigro-fusca, irregulariter spirali; sculptura rugis spiralibus et rugulis transversis, plerumque haud valde expressis, variante; intus anfr. plurimis plicis solum instructa; in medio laminis duabus tenuibus a parietibus superiore et inferiore, parte axin versus, arcuatim procedentibus, æqualibus, haud valde approximatis, rarius extus reflexis; plica columellari centrali parva; pagina interna maxime nitente.

Diam. spiræ .3, aperturæ .08 poll.

Hab. St. Vincent's, W. I. (*W.B. Carpenter*); Honduras (*Dyson*); ? Brazils (*D'Orbigny*).

As far as can be judged from a partial examination of D'Orbigny's type specimen, this is his *Vermetus varians*, in which Dr. Gray found two opercula "orbicular, thin, nucleus central;" apparently paucispiral, like that of *Serpulorbis* made nearly flat. At the same time it is not safe to speak of shells of this genus without an examination of the whole length. The laminæ appear to degenerate into plaits during the principal part of their growth, but when developed closely approximate the next species.

5. PETALOCONCHUS RENISECTUS, n. s. (fig. 5.)

P. t. irregulariter spirali, axi lata, nigro-fusca; anfractibus rugis spiralibus et rugulis transversis, sæpe ad intersectiones nodosis, varie ornatis; laminis per anfr. plurimos continuis, duabus, æqualibus, tenuioribus, a parietibus, parte axin versus, procedentibus, arcuatim medium versus continuis, interstitio haud parvo, extus, labrum versus carinatis; camera externa majore, reniformi; plica una centrali, columellari.

Diam. spiræ .4, aperturæ .1 poll.

Hab. In Oceano? Indico. Mus. Cuming.

Variat (a) *t. eleganter rugis spiralibus nodosa.*

Variat (b) quoque *sculptura pæne obsoleta.*

Hab. In Insulis Philippinarum; legit *H. Cuming*.

The species is described from a large group of very regular growth, of which the accretions warrant its being supposed East Indian. Specimens from the Philippines also appear not separable specifically.

It is known from *P. varians* by the much greater length of the laminæ, and, in its most developed part, by a strong keel on the outer edge of each, not seen in the portion sketched.

5 (c). PETALOCONCHUS? RENISECTUS, var. WOODWARDII.

P. t. *P. renisecto simili, sed multo minore, confertissima, axi compacta; vertice nucleoso Rissoideo; operculo parvo, dimidio aperturæ æquante, corneo, tenuissimo, extus parum concavo, paucispirali, cicatrice centrali.*

Diam. spiræ .15, aperturæ .06.

Hab. —? Sp. glom. in Mus. Cuming.

This specimen has the habit of a distinct species: nevertheless as the inner structure appears exactly the same, and as the shells are most compactly crowded, it appears probable that the small size is due to the circumstances of habitat. It will be observed that the operculum presents a type of structure very distinct from that of *Bivonia glomerata* and its congeners, as well as from *Vermetus*, and much more nearly related to *Siphonium*. As it agrees with that of *P. varians*, it is fair to conclude that the other species are not unlike. The opercula were so very frail, that after digestion in weak alkali to remove the animal matter, it was not found practicable to preserve them. This accounts for their absence from the other species.

6. PETALOCONCHUS NERINÆOIDES, n. s. (fig. 6.)

P. t. *P. renisecto simili; sed rubro-fusca, rugulis spiralibus pluribus; intus solida; laminis ut in P. renisecto sitis, sed validis, labrum versus sæpe biangulatis; camera externa minore.*

Diam. spiræ .3, aperturæ .1 poll.

Hab. Australia. Mus. Cuming.

Although the plan of structure is the same as in *P. reniformis*, yet the remarkable strength of the laminæ, smallness of the outer chamber, and difference of colour, appear to justify at least a temporary separation. In Mr. Cuming's group, the creatures have stretched their tubes so long that even the straight part is often found laminated; and transverse septa are seen at the other end. In some parts the body only occupies about a third of the section of the shell.

7. PETALOCONCHUS CEREUS, n. s. (fig. 7.)

P. t. *haud parva, irregulariter spirali, cerea, solida, albida, aurantio tincta; anfractibus planatis, ad sedem angulatis, nodosis; laminis parietalibus tenuibus, curtis, in medio sitis, subperpendicularibus, parum arcuatis, interstitio haud parvo; camera externa majore; plica una parva columellari, in medio sita.*

Diam. spiræ .56, aperturæ .18 poll.

Hab. In Insulis Philipinarum; legit H. Cuming. Sp. unic. in Museo suo.

This is the largest species as yet found, and very remarkable for its waxy aspect.

8. *PETALOCONCHUS OCTOSECTUS*, n. s. (fig. 8.)

P. t. irregulariter spirali; albida, seu flavido tincta; rugulis spiralibus et transversis vix sculpta; basi haud planata, haud nodosa; laminis ut in P. cereo sitis, sed camera externa minore.

Diam. spiræ .38, aperturæ .15 poll.

Hab. ? S. Africa. Mus. Cuming.

The section of this species (as of the last) resembles a figure 8. It differs from *P. cereus* in the absence of the remarkable structure at the base, and in the comparatively small size of the outer chamber.

9. *PETALOCONCHUS*, sp. ind.

Hab. Tahiti. Mus. Cuming.

This specimen is sufficiently perfect to prove its genus; but not to describe as a species.

P. P. CARPENTER.

July 11th, 1856.

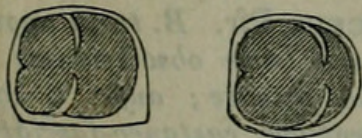
Sections of Petaloconchi generally at greatest development.



1. *macrophragma*. 2. *cochlidium*. 3. *flavescens*.



4. *varians*. 5. *renisectus*. 6. *nerinæoides*.



7. *cereus*. 8. *octosectus*.

The above are taken from sketches drawn by the eye only under the microscope. Where large groups had to be held in strange positions, it was not found practicable to use the camera, nor did I feel at liberty to break specimens not my own to obtain a favourable section. The figure of No. 5 contains the finest, of No. 6 the coarsest growth: each occasionally approaches the other. The difference between No. 7 and No. 8 is rather exaggerated in the latter.—P. P. C.

4. DESCRIPTIONS OF TWENTY-SEVEN NEW SPECIES OF LAND-SHELLS, COLLECTED BY M. SALLÉ IN THE STATE OF VERA CRUZ, MEXICO. BY DR. L. PFEIFFER.

(Mollusca, Pl. XXXV.)

1. *HELIX CORDOVANA*, Pfr. *H. testa umbilicata, depressa, tenui, undique subgranulata et breviter pilosa, cornea, superne fasciis 2 angustis, rufis cincta; spira plana; sutura profunda, canaliculata; anfr. $4\frac{1}{2}$ turgidis, sensim accrescentibus, ultimo supra peripheriam obsolete sulcato, antice descendente, subtus rotundato; umbilico $\frac{1}{4}$ diametri subæquante; apertura perobliqua, lunato-circulari; perist. tenui, marginibus conniventibus, supero expanso, basali reflexiusculo.*

Diam. maj. $12\frac{1}{3}$, min. $10\frac{1}{3}$, alt. 5 mill.

Hab. Cordova.

2. *HELIX VERACRUZENSIS*, Pfr. *H. testa umbilicata, depressa, tenerima, striatula, pellucida, nitidissima, pallide rubello-cornea; spira parum elevata, vertice subtili; sutura subcrenulato-marginata; anfr. 5 vix convexiusculis, ultimo lato, non descendente, depresso-rotundato; umbilico pervio, $\frac{1}{6}$ diametri vix æquante; apertura obliqua, lunato-ovali; perist. recto, acuto, marginibus subconniventibus, columellari arcuato-declivi, vix reflexiusculo.*

Diam. maj. $12\frac{1}{2}$, min. $10\frac{1}{2}$, alt. 5 mill.

Hab. Cordova.

3. *BULIMUS SULPHUREUS*, Pfr. (Pl. XXXV. f. 11.) *B. testa anguste umbilicata, ovato-conica, tenuiuscula, striatula, striis spiralibus confertissimis decussata, nitida, pallide sulphurea; spira conica, apice acuta, concolore; anfr. $6\frac{1}{2}$ convexiusculis, ultimo spira brevior, basi rotundato; columella subrecedente; apertura obliqua, ovali; perist. simplice, tenui, margine dextro breviter expanso, superne sinuato, columellari triangulatim dilatato, reflexo.*

Long. 29, diam. 12 mill.

Hab. Cordova.

4. *BULIMUS CORIACEUS*, Pfr. *B. testa anguste perforata, ovato-conica, solidula, sub lente obsoletissime decussato-granulata, fusco-cornea, haud nitente; anfr. 6 convexiusculis, summis nigro-fuscis, sequentibus castaneo-fasciatis, ultimo spira brevior, obsolete angulato, basi subattenuato; columella arcuata; apertura parum obliqua, elliptico-ovali; perist. simplice, recto, margine columellari albido, nitido, fornicatim reflexo.*

Long. 18, diam. 9 mill.

Hab. Cordova.

5. *BULIMUS MARTENSI*, Pfr. *B. testa subperforata, turrito-oblonga, tenui, striatula et distanter chordato-costata, diaphana, albido-hyalina; spira turrita, obtusula; anfr. 6 convexis, ulti-*





mo $\frac{2}{5}$ longitudinis vix æquante, rotundato; columella medio subdentato-plicata; apertura parum obliqua, elliptico-ovali; perist. simplice, recto, margine columellari late reflexo, sublibero. Long. $9\frac{1}{3}$, diam. $4\frac{1}{2}$ mill.
Hab. Cordova.

6. *BULIMUS COSTATO-STRIATUS*, Pfr. *B. testa imperforata, turrita, tenui, conferte striata et costulis irregularibus munita, diaphana, cereo-hyalina; spira regulariter attenuata, acutiuscula; anfr. 7 convexiusculis, ultimo $\frac{2}{7}$ longitudinis formante, basi rotundato; columella substriata, filari; apertura vix obliqua, oblonga; perist. simplice, recto, marginibus subparallelis, columellari simplice.*
 Long. $7\frac{1}{2}$, diam. $2\frac{1}{2}$ mill.
Hab. Cordova.

7. *BULIMUS DROUËTI*, Pfr. (Pl. XXXV. f. 12.) *B. testa sub-oblacte perforata, ovato-conica, tenui, ruguloso-striata (striis spiralibus obsoletissime decussata), pallide straminea, strigis et fasciis latis spadiceis interruptis ornata; spira conica, acutiuscula; anfr. 6 convexiusculis, ultimo spiram vix superante, antice subvaricoso; columella substricta, compressa; apertura obliqua, ovali; perist. tenui, expansiusculo, margine columellari dilatato, abrupte reflexo.*
 Long. 24, diam. $10\frac{1}{2}$ mill.
Hab. Cordova.

8. *BULIMUS AURIFLUUS*, Pfr. (Pl. XXXV. f. 10.) *B. testa perforata, ovato-conica tenui, sub lente minutissime decussata, nitida, albida, strigis angustis flexuosis fulvo-aureis ornata; spira convexiusculo-conica, acuta; anfr. $5\frac{1}{2}$ convexiusculis, ultimo spiram paulo superante, juxta perforationem angustam subattenuato, unicolore lutescente; columella intrante, leviter arcuata; apertura vix obliqua, oblonga; perist. tenui, breviter expanso, margine columellari compresso, superne dilatato, reflexo.*
 Long. 22, diam. 10 mill.
Hab. Cordova.

9. *SIMPULOPSIS SALLEANA*, Pfr. (Pl. XXXV. f. 15, 16.) *S. testa subsemiovata, solidula, striatula, lineisque spiralibus impressis obsoletis notata, nitida, corneo-straminea; spira parvula, obtusa; anfr. vix $2\frac{1}{2}$, ultimo magno, inflato; columella arcuata, subacuta; apertura perobliqua, lunato-rotundata, intus margaritacea; perist. simplice, marginibus callo tenuissimo junctis, dextro expansiusculo, antrorsum dilatato.*
 Diam. maj. 15, min. 12, alt. $7\frac{1}{2}$ mill.
Hab. Cordova.

10. *SIMPULOPSIS CORDOVANA*, Pfr. *S. testa subsemiglobosa, tenuissima, levissime striatula, pellucida, nitidissima, virenti-*

cornea; spira minuta, vix prominula; sutura canaliculata; anfr. $2\frac{1}{2}$, ultimo inflato; columella tenui, papyraceo-marginata; apertura perobliqua, fere circulari; perist. simplice, recto, margine dextro superne antrorsum dilatato.

Diam. maj. 15, min. $11\frac{2}{3}$, alt. 7 mill.

Hab. Cordova.

11. SPIRAXIS SHUTTLEWORTH, Pfr. (Pl. XXXV. f. 8.) *Sp. testa oblongo-glandiformi, tenuiuscula, lævigata, lineis impressis irregularibus notata, lucida, corneo-flavescente, strigis variciformibus virenti-fulvis notata; spira conica, obtusula; sutura levi, sublacera; anfr. 7, superis vix convexiusculis, ultimo antice descendente, $\frac{2}{3}$ longitudinis fere æquante, basi subattenuato; lamina columellari leviter torta, subincrassata, basi vix truncatula; apertura anguste semiovali, superne longe acuminata, intus margaritacea; perist. simplice, marginibus callo tenui junctis, dextro medio dilatato.*

Long. 33, diam. $13\frac{1}{2}$ mill.

Hab. Cordova.

12. SPIRAXIS TURGIDULA, Pfr. (Pl. XXXV. f. 9.) *Sp. testa ovato-conica, tenuiuscula, striatula, nitida, pallide flavescente, strigis variciformibus, subimpressis, pellucidis notata; spira conica, obtusiuscula; sutura crenulata; anfr. 8 infra suturam turgidulis, ultimo $\frac{4}{7}$ longitudinis subæquante; lamina columellari crassa, alba, leviter torta, basi truncata; apertura subverticali, sinuoso-semiovali, intus albido-margaritacea; perist. simplice, margine dextro medio antrorsum dilatato.*

Long. 31, diam. $12\frac{1}{2}$ mill.

Hab. Cordova.

13. SPIRAXIS AURICULACEA, Pfr. *Sp. testa fusiformi-oblonga, tenera, lævigata, pellucida, nitida, rubello-cornea; spira elongato-conica, obtusula; sutura marginata; anfr. 7 convexiusculis, ultimo spira vix longiore, infra medium dilatato; lamina columellari parum torta, alba, filari, minime truncata; apertura sinuato-semiovali, intus leviter margaritacea; perist. simplice, margine dextro medio fere angulatim producto.*

Long. 16, diam. 6 mill.

Hab. Cordova.

14. ACHATINA (VARICELLA) ORIZABÆ, Pfr. (Pl. XXXV. f. 6.) *A. testa oblongo-conica, solidula, longitudinaliter striata, nitida, olivaceo-fusca, varicibus subprominulis pallidis irregulariter munita; spira elongato-conica, apice obtusula; sutura levissime marginata; anfr. $7\frac{1}{2}$ convexiusculis, ultimo spira brevior, deorsum lævior; columella subcallosa, arcuata, oblique truncata; apertura verticali, sinuato-ovali; perist. recto, margine dextro obtuso, vix flexuoso, pallide limbo.*

Long. 42, diam. 18 mill.

Hab. In Vulcano Orizaba.

15. ACHATINA (VARICELLA) SPECIOSA, Pfr. (Pl. XXXV. f. 7.)

A. testa conico-ovata, solidula, longitudinaliter conferte plicata, nitida, carnea, varicibus sulciformibus, albidis, subflexuosis, irregulariter distantibus munita; spira conica, apice acutiuscula; sutura eleganter nodulato-crenata; anfr. 8 vix convexiusculis, ultimo spiram paulo superante, prope suturam turgidulo, deorsum sublævigato; columella arcuata, late truncata; apertura verticali, sinuato-semiovali; perist. recto, margine dextro flexuoso.

Long. 29, diam. $13\frac{1}{2}$ mill.

Hab. Cordova.

16. ACHATINA (VARICELLA) CORDOVANA, Pfr. *A. tes tatur-*

rito-oblonga, solidula, longitudinaliter plicata, nitida, alabastrina; spira elongato-conica, apice obtusa; sutura marginata, conferte nodulata; anfr. $7\frac{1}{2}$ parum convexis, ultimo spira paulo brevior, varicibus nonnullis impressis, obsoletis munito, basi vix attenuato; columella substricta, transverse truncata; apertura subverticali, sinuato-semiovali; perist. simplice, margine dextro medio fere angulatim producto, subinflexo.

Long. 20, diam. 6 mill.

Hab. Cordova.

17. ACHATINA MARGARITACEA, Pfr. *A. testa oblonga, tenui, sub-*

lævigata, sub lente levissime et irregulariter plicatula, pellucida, nitida, lutescenti-hyalina; spira brevi, conica, acutiuscula; sutura subcanaliculata, marginata; anfr. $5\frac{1}{2}$ convexiusculis, ultimo $\frac{2}{3}$ longitudinis superante, basi vix attenuato; columella leviter arcuata, abrupte truncata; apertura verticali, acuminato-semiovali; perist. simplice, margine dextro leviter antrorsum arcuato.

Long. $9\frac{1}{3}$, diam. $3\frac{1}{3}$ mill.

Hab. Cordova.

18. ACHATINA AMBIGUA, Pfr. *A. testa imperforata, ovato-*

conica, solida, lævigata, opaca, albida; spira conica, obtusula; anfr. 7 convexis, ultimo spira paulo brevior, basi rotundato; columella verticali, subintorta, subtruncata; apertura verticali, trapezio-ovalis; perist. recto, margine dextro subrepando, columellæ parallelo.

Long. 22, diam. 10 mill.

Hab. Cordova.

19. CYLINDRELLA BOUCARDI (Sallé, MSS.), Pfr. (Pl. XXXV.

f. 1.) C. testa arcuato-rimata, clavato-cylindræa, truncata, tenuiuscula, costulis capillaribus, confertis, subarcuatis munita, in interstitiis sub lente transverso-striata, corneo-fulva; sutura levi, vix marginata; anfr. superst. 9-11 vix convexis, ultimo antice soluto, oblique descendente, dorso angulato, infra medium obtuse carinato; apertura angulato-oblonga, plica

valida, torta columellæ coarctata; perist. albo, breviter expanso.

Long. 52-56, diam. 13 mill.

Hab. Cordova.

20. CYLINDRELLA APIOSTOMA, Pfr. (Pl. XXXV. f. 4, 5.) C. *testa subrimata, subulata, subarcuatim striatula, diaphana, albido-cornea; spira regulariter attenuata, apice integra, acutiuscula; anfr. 22-24 convexiusculis, ultimo breviter protracto, dorso angulato, antice distinctius striato; apertura subverticali, oblique piriformi; perist. albo, undique reflexiusculo, margine dextro superne subsinuoso.*

Long. 17, diam. $2\frac{1}{3}$ mill.

Hab. Cordova.

21. CYLINDRELLA POLYGYRA, Pfr. (Pl. XXXV. f. 2, 3.) C. *testa profunde rimata, subulata, gracili, costulis filaribus, confertis, leviter arcuatis sculpta, opaca, cornea; spira regulariter attenuata, apice integra, acutiuscula; anfr. 24-27 convexis, ultimo breviter soluto, dorso et basi subcompresso; apertura vix obliqua, subcirculari, in fundo subtriangulari; perist. undique expanso et reflexiusculo.*

Long. $17\frac{1}{2}$ - $21\frac{1}{2}$, diam. $2\frac{1}{2}$ mill.

Hab. Cordova.

22. PROSERPINA (CERES) SALLEANA, Cuming. (Pl. XXXV. f. 21, 22.) Pr. *testa imperforata, conoidea, solidula, superne striis incrementi et granulis minutis exasperata, lutea vel rosea, epidermide opaca, albida, decidua, partim obducta; spira convexo-conoidea, mucronata; anfr. 8 vix convexiusculis, ultimo non descendente, medio compresse et acute carinato, basi convexo, lævigato, callo nitido, luteo magis minusve obducto; apertura perobliqua, subtriangulari, lamellis 6 coarctata; parietalibus 2, columellari 1 subtorta, 3 in pariete basali, mediana maxima; perist. luteo, subincrassato, obtuso.*

Diam. maj. 23, min. 21, alt. fere 12 mill.

Hab. Cordova.

23. HELICINA HELOISÆ, Sallé, MSS. (Pl. XXXV. f. 17.) H. *testa turbinato-globosa, solidula, levissime striatula, striis spiralibus sub lente obsolete decussata, nitida, subunicolore lutea vel cingulo purpurascente, sursum diluto ornata; spira convexo-conoidea, acuminata; sutura pallida; anfr. 6 convexis, ultimo periphæria vix subangulato, basi planiusculo, callo nitido, circumscripto munito; columella arcuata, filari; apertura diagonalis, subsemicirculari; perist. tenuiusculo, expanso, margine dextro leviter flexuoso.*

Opere. ?—Diam. maj. $9\frac{2}{3}$ -11, min. $8\frac{1}{2}$ - $9\frac{1}{2}$, alt. 7-8 mill.

Hab. Cordova.

24. *HELICINA NOTATA*, Sallé, MSS. (Pl. XXXV. f. 18, 19, 20.)

*H. testa globoso-turbinata, solidula, striata et liris subdi-
stantibus, levibus circumdata, carnea vel straminea; spira con-
vexiusculo-conica, acuta; anfr. $5\frac{1}{2}$ vix convexiusculis, ultimo
spiram subæquante, convexiore; columella brevi, basi tubercu-
lata, callum crassum, circumscriptum retrorsum emittente;
apertura fere diagonali, subsemicirculari; perist. calloso, in-
crassato, albo, angulatim patente. — Operc. tenue, margine
externo purpureo.*

Diam. maj. $8\frac{1}{3}$, min. 7, alt. 7 mill.

Hab. Cordova.

25. *HELICINA CORDILLERÆ*, Sallé, MSS. *H. testa depresso*

*globoso-conica, solida, striatula, opaca, albida, fascia 1 rubra
supra peripheriam, nonnullisque pallidioribus, obsoletis cincta;
spira conoidea, sursum fusco-carnea, apice acuta; anfr. $5\frac{1}{2}$ vix
convexiusculis, ultimo depresso rotundato; columella extus vix
impressa, callosa, basi in nodulum terminata, callum emittente
crassiusculum, circumscriptum; apertura diagonali, triangu-
lari-semiovali; perist. calloso-incrassato, angulatim patente,
margine basali in tuberculum columellæ transeunte. — Operc.
corneum, castaneum.*

Diam. maj. $12\frac{1}{3}$, min. $10\frac{2}{3}$, alt. 8 mill.

*β. Paulo major, unicolor fusco-carnea, impressione columellari
distinctiore.*

Hab. In monte Orizaba, 12,000' supra Oceanum.

26. *CYCLOSTOMA (CYCLOPHORUS) BOUCARDI*, Sallé, MSS.

(Pl. XXXV. f. 25.) *C. testa latiuscule umbilicata, conoideo-
depressa, solida, impressionibus malleatis undique tuberculato-
rugosa et liris obsoletis distantibus munita, epidermide fulva,
saturatius fasciata vestita; spira breviter conoidea, obtusa;
anfr. 5 modice convexis, celeriter accrescentibus, ultimo ro-
tundato, antice interdum breviter soluto; apertura parum
obliqua, subangulato-ovali, intus margaritacea; perist. sim-
plice, recto, continuo, superne obsolete angulato, margine co-
lumellari leviter arcuato. — Operc. tenuissimum, fulvum, pla-
num.*

Diam. maj. 36, min. 30, alt. 18–19 mill.

Hab. Cordova.

27. *CYCLOSTOMA (CHONDROPOMA) CORDOVANUM*, Pfr. *Ch.*

*testa rimato-perforata, turrita, integra, tenui, longitudinaliter
confertim plicata, haud nitente, pallide fulva, fasciis interrup-
tis castaneis ornata; spira regulariter turrita, sursum plerum-
que violacea, apice submamillari nitida, cornea; anfr. $7-7\frac{1}{2}$
perconvexis, ultimo non soluto; apertura verticali, ovali; perist.
duplice; interno albo, breviter porrecto, externo subdilato,*

horizontaliter patente, concentrice striato, castaneo maculato, superne producto, ad anfr. penultimum subexciso.—Operc. albidum.

Long. $13-15\frac{1}{2}$, diam. $6-7\frac{1}{3}$ mill.

Hab. Cordova.

DESCRIPTION OF PLATE XXXV.

- Fig. 1. *Cylindrella Boucardi*, Pfr.
 2, 3. — *polygyra*, Pfr.
 4, 5. — *apiostoma*, Pfr.
 6. *Achatina* (*Varicella*) *Orizabæ*, Pfr.
 7. — (*Varicella*) *speciosa*, Pfr.
 8. *Spiraxis Shuttleworthi*, Pfr.
 9. — *turgidula*, Pfr.
 10. *Bulimus aurifluus*, Pfr.
 11. — *sulphureus*, Pfr.
 12. — *Drouëti*, Pfr.
 13, 14. *Helix caduca* and var., Pfr.
 15, 16. *Simpulopsis Salleana*, Pfr.
 17. *Helicina Heloisæ*, Sallé.
 18, 19, 20. — *notata* and var., Pfr.
 21, 22. *Proserpina* (*Ceres*) *Salleana*, Cuming.
 23, 24. — *eolina*, Duclos (for comparison).
 25. *Cyclophorus Boucardi*, Sallé.

5. DESCRIPTIONS OF FIFTY-EIGHT NEW SPECIES OF HELICEA FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. L. PFEIFFER.

1. *VITRINA FLEMINGI*, Pfr. *V. testa subdepressa, periphæria auriformis; solidula, superne plicato-striata striisque spiralibus sub lente notata, æneo-micante, olivaceo-fulva; spira parum elata; sutura anguste albomarginata; anfr. $4\frac{1}{2}$ convexiusculis, ultimo magno, infra medium obsoletissime angulato, basi lævigato, nitidior; apertura diagonali, lunato-ovali, intus margaritacea; perist. simplice, margine dextro subrepando, columellari arcuato, superne triangulatim reflexo, adnato.*

Diam. maj. 33, min. 24, alt. 17–18 mill.

Hab. Scinde, India (*Dr. Alex. Fleming*).

2. *VITRINA PLANTI*, Pfr. *V. testa depressa, ambitu subauriformi, tenuissima, lævigata, nitidissima, pellucida, albido-hyalina; spira parvula, plana; sutura vix impressa, submarginata; anfr. vix 3 planiusculis, ultimo magno, superne vix convexiore, ad suturam striatulo, subtus inflato, membranaceo-marginato; apertura magna, diagonali, lunato-ovali; perist. simplice, margine dextro antrorsum arcuato, columellari tenuissima.*

Diam. maj. 12, min. 8, alt. 6 mill.

Hab. Natal (*Mr. Plant*).

3. *VITRINA BORNEENSIS*, Pfr. *V. testa depresso-globosa, tenuissima, striatula, striis spiralibus nonnullis impressis notata, pellu-*

cida, pallide cornea; spira brevissime conoidea, albida; sutura submarginata; anfr. 4 celeriter accrescentibus, superis vix convexis, ultimo subdepresso-rotundato, basi oblique ruguloso; apertura obliqua, lunato-rotundata; perist. simplice, levissime inflexo, margine columellari brevi, strictiusculo, filari.

Diam. maj. 15, min. $11\frac{2}{3}$, alt. 9 mill.

Hab. Borneo.

4. *VITRINA CELEBENSIS*, Pfr. *V. testa helicoidea, solidula, striatula, nitida, coffeacea; spira breviter conoidea, obtusula; sutura pallide marginata; anfr. 4 convexiusculis, sensim accrescentibus, ultimo basi parum convexo, pallido; apertura diagonali, lunato-rotundata; perist. simplice, recto, marginibus subconvergentibus, columellari arcuato, subcalloso.*

Diam. maj. $11\frac{1}{2}$, min. 9, alt. 7 mill.

Hab. Celebes (Mrs. Ida Pfeiffer).

5. *VITRINA IDÆ*, Pfr. *V. testa depresso-globosa, ambitu subovali, tenui, arcuato-striatula, nitida, pellucida, lutescenti-cornea; spira vix elevata; sutura levi; anfr. 4 convexiusculis, ultimo magno, inflato, basi non impresso; apertura diagonali, rotundato-lunari; perist. simplice, marginibus conniventibus, regulariter arcuatis, columellari brevissime recedente, subcalloso.*

Diam. maj. 14, min. 11, alt. $7\frac{2}{3}$ mill.

Hab. Celebes (Mrs. Ida Pfeiffer).

6. *VITRINA? COMORENSIS*, Pfr. *V. testa subglobosa, tenui, rugoso-striata, vix nitidula, diaphana, virenti-cornea, punctis et strigis luteis variegata; spira convexa, obtusa; anfr. 3 convexis, rapide accrescentibus, ultimo inflato; apertura fere diagonali, lunato-ovali, intus margaritacea, albo variegata; perist. simplice, recto, marginibus convergentibus, regulariter arcuatis, columellari filari.*

Diam. maj. $21\frac{1}{2}$, min. $16\frac{1}{2}$, alt. 13-14 mill.

Hab. Mayotte, Comoro Islands (Mr. Cloué).

Shape very similar to that of *Helix aperta*, Born.

7. *VITRINA DARNAUDI*, Pfr. *V. testa semiovata, pertenui, sub lente irregulariter striatula punctisque impressis notata, oleoso-micante, pallide virenti-cornea; spira convexa, obtusa; sutura anguste marginata; anfr. vix 3 convexis, rapide accrescentibus, ultimo magno; apertura subdiagonali, sublunato-ovali, intus leviter margaritacea; perist. simplice, brevissime inflexo, marginibus approximatis, dextro antrorsum dilatato, columellari arcuato, anguste membranaceo-marginato.*

Diam. maj. 16, min. 12, alt. $7\frac{1}{2}$ mill.

Hab. Sennaar, Interior of Africa (Mr. Darnaud).

8. *VITRINA SENNAARIENSIS*, Pfr. *V. testa depressa, tenui, oblique rugosa, nitidula, pellucida, corneo-virente, plerumque luteo*

nigro obducta; spira subturbinata, mucronata; anfr. 3 convexis, sensim accrescentibus, ultimo depresso, peripheria obsolete angulato; apertura perobliqua, lunato-circulari; perist. tenui, subinflexo, marginibus convergentibus, columellari vix dilatato.

Diam. maj. $6\frac{2}{3}$, min. $5\frac{1}{3}$, alt. 3 mill.

Hab. Sennaar, Interior of Africa (Mr. Darnaud).

9. *VITRINA LEUCOSPIRA*, Pfr. *V. testa depresso subglobosa, ambitu ovali, tenuissima, striatula, pellucida, nitida, lutescenti-hyalina; spira parum convexa, alba; sutura vix submarginata; anfr. 4 convexiusculis, penultimo sensim pellucido-radiato, ultimo rotundato; apertura obliqua, lunato-subcirculari; perist. tenui, marginibus conniventibus, subinflexis, dextro antrorsum valde arcuato, columellari substricto, brevi, filari.*

Diam. maj. $13\frac{1}{2}$, min. $11\frac{1}{2}$, alt. $8\frac{1}{2}$ mill.

Hab. Australia.

10. *SUCCINEA PLANTI*, Pfr. *S. testa conico-ovata, tenuiuscula, rugulosa, diaphana, sordide cornea; spira brevi, subpapillata; anfr. vix $2\frac{1}{2}$, penultimo convexo, ultimo $\frac{2}{3}$ longitudinis superante, medio turgido; columella substricto recedente, superne levissime calloso-plicata; apertura fere diagonali, ubique incumbente, acuminato-ovalis; perist. simplice, margine dextro regulariter arcuato.*

Long. 5, diam. $3\frac{1}{2}$, alt. $2\frac{2}{3}$ mill.

Hab. Cape Natal (Mr. Plant).

11. *SUCCINEA ASPERULA*, Pfr. *S. testa ovato-conica, tenuiuscula, striis rugosis subasperata, diaphana, corneo-rubella; spira turbinata, acuta; anfr. $3\frac{1}{2}$ convexis, ultimo ventroso, $\frac{2}{3}$ longitudinis formante; columella leviter arcuata, compressa, albida; apertura oblique, undique incumbente, subregulariter ovali, intus marg. ritacea; perist. simplice, marginibus subsymmetricis.*

Long. $10\frac{2}{3}$, diam. $6\frac{1}{3}$, alt. 5 mill.

Hab. Flagstaff Hill, St. Helena.

12. *HELIX KERMANDECI*, Pfr. *H. testa imperforata, turbinata, tenui, superne subdistanter striata, hyalina; spira convexiusculo-turbinata, subacuminata; anfr. $5\frac{1}{2}$ -6 convexis, lente accrescentibus, ultimo subangulato, antice rotundato; apertura vix obliqua, lunari; perist. simplice, recto, marginibus distantibus, columellari superne subreflexo, adnato.*

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

Hab. Sunday Island, Kermadec Group (Lieut. Chimmo, R.N.).

13. *HELIX OPHIRIA*, Pfr. *H. testa subperforata, depresso turbinato-globosa, tenuissima, membranacea, radiato-rugata et lineis spirilibus minutissimis sub lente sculpta, pellucida, virenti-cornea; spira subconoidea, superne alba; anfr. 5 convexiusculis, sensim accrescentibus, ultimo peripheria subangulato, antice rotundato, basi inflato; apertura fere diagonali, rotundato-lunari; perist.*

simplice, marginibus dextro et basali subinflexis, columellari fere verticali, superne subreflexo.

Diam. maj. 20, min. 17, alt. $11\frac{1}{2}$ mill.

Hab. Mount Ophir, Malacca (*Dr. Traill*).

Vitrina heliciformis, Pfr. 1854, is an imperfect form of this species.

14. *HELIX SHIPLAYI*, Pfr. *H. testa perforata, subturbinata, solidula; superne arcuato-plicata striisque spiralibus eleganter granulata, isabellina; spira convexiusculo-conica, obtusula; sutura subcanaliculata; anfr. 6 convexis, lente accrescentibus, ultimo peripheria carina acuta, compressa, antice evanescente munito, basi convexo, leviore; apertura diagonali, subangulato-lunari, intus margaritacea; perist. simplice, obtusulo, margine columellari fere verticali, superne triangulatim reflexo.*

Diam. maj. 20, min. 18, alt. $11\frac{1}{2}$ mill.

Hab. Neilgherries, India (*Mr. Conway Shiplay*).

15. *HELIX ACALLES*, Pfr. *H. testa vix perforata, turbinata, tenui, oblique rugosa, diaphana, pallide cornea; spira conoidea, acutiuscula; anfr. 5\frac{1}{2} convexiusculis, sensim accrescentibus, ultimo peripheria carinato, antice non descendente, basi convexiore; apertura obliqua, subangulato-lunari; perist. simplice, recto, margine columellari superne anguste reflexo.*

Diam. maj. 13, min. 11, alt. $7\frac{1}{2}$ mill.

Hab. Neilgherries, India (*Mr. Conway Shiplay*).

16. *HELIX CALABARICA*, Pfr. *H. testa perforata, turbinato-lentiformi, tenui, laevigata, superne liris 6 argutis, filiformibus cincta, diaphana, cornea; spira conoidea, acutiuscula; anfr. 6 convexiusculis, sensim accrescentibus, ultimo non descendente, acute carinato, basi convexo; apertura parum obliqua, angulato-lunari; perist. simplice, recto, marginibus vix convergentibus, columellari arcuato, superne vix reflexo.*

Diam. maj. $9\frac{1}{2}$, min. $8\frac{1}{3}$, alt. $4\frac{1}{2}$ mill.

Hab. Old Calabar, Guinea.

17. *HELIX DARNAUDI*, Pfr. *H. testa perforata, depresso conoideo-globosa, tenui, rugoso-striata, cornea, fasciis opacis albidis notata; spira conoidea; anfr. fere 5 vix convexiusculis, sensim accrescentibus, ultimo non descendente, rotundato; apertura vix obliqua, rotundato-lunari; perist. simplice, recto, marginibus subconvergentibus, columellari superne dilatato, patente.*

Diam. maj. 8, min. 7, alt. 5 mill.

Hab. Sennaar, Interior of Africa (*Mr. Darnaud*).

18. *HELIX ARGUTA*, Pfr. *H. testa subclausa perforata, depressa, tenui, superne argute et conferim arcuato-striata, corneo-fusca; spira parum elevata, obtusa; sutura subcrenulata; anfr. 4\frac{1}{2} celeriter accrescentibus, superis vix convexiusculis, ultimo peripheria carina fusiformi cincto, antice non descendente, basi levior, luteo-virente, medio excavato; apertura diagonali, ampla, lunato-ro-*

tundata, intus margaritacea; perist. simplice, recto, marginibus conniventibus, columellari superne in laminam brevem callosam reflexo.

Diam. maj. 36, min. 29, alt. 18 mill.

Hab. Tenga Hills, Java (C. Shiplay, Esq.).

19. *HELIX CHIMMOI*, Pfr. *H. testa umbilicata, convexo-depressa, tenuiuscula, confertim plicato-striata, cornea, rufo irregulariter maculata; spira parum elevata; anfr. 5 convexis, sensim accrescentibus, ultimo non descendente, subdepresso-rotundato; umbilico conico, $\frac{1}{3}$ diametri subæquante; apertura parum obliqua, rotundato-lunari; perist. simplice, recto, marginibus convergentibus.*

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

Hab. Sunday Island, Kermandec Group (Lieut. Chimmo, R.N.).

20. *HELIX CONFERTA*, Pfr. *H. testa umbilicata, conoidea, solida, striis incrementi irregularibus et confertissimis spiralibus decussatula, sericea, fulvida; spira conoidea, obtusa; sutura pallide marginata; anfr. vix 5 convexiusculis, sensim accrescentibus, ultimo peripheria angulato, ad suturam turgidulo, basi convexo, juxta umbilicum angustum compresso; apertura perobliqua, subtetragono-lunari; perist. obtuso, margine supero recto, basali incrassato, reflexiusculo, columellari declivi, subdentato, superne triangulatim reflexo.*

Diam. maj. $34\frac{1}{2}$, min. 30, alt. 20 mill.

Hab. — ?

21. *HELIX DAMAHOYI*, Pfr. *H. testa imperforata, globoso-depressa, tenuiuscula, oblique striata, parum nitente, saturate fusca, fasciis latis nigris, unica lutea mediana et superpositis nonnullis hydrophanis albidis ornata; spira vix elevata, obtusa; anfr. 4 convexiusculis, rapide accrescentibus, ultimo inflato, oblique malleato-plicato; columella declivi, compressa, dilatata, alba; apertura obliqua, truncato-ovali, intus albida; perist. albo, late expanso et reflexiusculo.*

Diam. maj. 47, min. 37, alt. 28 mill.

Hab. Philippine Islands (Mr. Damahoy).

22. *HELIX MEOBAMBENSIS*, Pfr. *H. testa obtecte umbilicata, conoideo-depressa, solida, subdistanter rugoso-striata, undique minute granulata, cinnamomea; spira conoideo-convexa, obtusa; anfr. 5 planiusculis, lente accrescentibus, ultimo antice descendente, peripheria subcarinato, utrinque convexiore; apertura perobliqua, tetragono-lunari; perist. albo, reflexo, marginibus callo junctis, columellari dilatato, adnato, stricto, ad dextram undentato.*

Diam. maj. 32, min. 26, alt. 15 mill.

Hab. Meobamba, Peru (Mr. Porte).

23. *HELIX AMMIRALIS*, Pfr. *H. testa umbilicata, turbinato-de-*

pressa, solidula, undique subruditer striata, fulva vel lutescente, plerumque fascia unica peripherica nigro-castanea ornata; spira regulariter conoidea; anfr. $6\frac{1}{2}$ vix convexiusculis, lente accrescentibus, ultimo antice vix descendente, periphæria carinato, basi convexo, circa umbilicum angustum, castaneum subcompresso; apertura obliqua, lunari; perist. hepatico, breviter expanso, margine columellari superne fornicatim reflexo.

Diam. maj. 36, min. 33, alt. 20 mill.

Hab. China (Admiral Cecille).

24. *HELIX MUCIDA*, Pfr. *H. testa umbilicata, turbinato-depressa, tenuiuscula, striatula, saturate rufa, quasi mucore obducta; spira conoidea, obtusula; anfr. 5 convexis, sensim accrescentibus, ultimo rotundato, antice descendente, circa umbilicum infundibuliformem subangulato; apertura fere diagonali, rotundato-lunari, intus nitida, carnea; perist. breviter expanso, marginibus vix convergentibus, columellari superne triangulatim dilatato, patente.*

Diam. maj. 20, min. $16\frac{2}{3}$, alt. 11 mill.

Hab. Percy's Island (Lieut. Chimmo, R.N.).

25. *HELIX GUEINZII*, Pfr. *H. testa umbilicata, depressa, carinata, tenui, plicis subdistantibus retrorsum descendentibus sculpta, pellucida, pallide cornea, seriebus macularum rufarum ornata; spira vix elevata; anfr. 5 sensim accrescentibus, prope suturam turgidis, ultimo superne subacute carinato, antice non descendente, subtus perinflato, circa umbilicum ($\frac{1}{6}$ diametri occupantem) conicum lævigato, subangulato; apertura vix obliqua, subangulato-lunari; perist. tenui, undique breviter expanso, margine columellari superne dilatato, patente.*

Diam. maj. 20, min. 16, alt. 9 mill.

Hab. Meobamba, Peru (Mr. Gueinzus).

26. *HELIX BASIDENTATA*, Pfr. *H. testa umbilicata, conoideo-subsemiglobosa, solida, oblique striata, alba, fasciis 2 castaneis et 1 angustiore aurantiaca prope suturam ornata; spira convexo-conoidea, obtusa; anfr. 5 convexis, sensim accrescentibus, ultimo carinato, antice perdeflexo, basi planiusculo; umbilico angusto, pervio; apertura horizontali, elliptica; perist. continuo, undique reflexo, margine basali medio dente 1 valido, obtuso armato.*

Diam. maj. 26, min. 20, alt. 11 mill.

Hab. Philippine Islands.

27. *BULIMUS PHÆOSTYLUS*, Pfr. *B. testa imperforata, oblongo-ovata, tenui, oblique confertim striata, pallide fulvescenti-carnea, fasciis 3 nigricantibus (1 suturali, 1 infraperipherica, tertia columellari) ornata; spira convexo-conica, apice obtusula, nigro-violacea; anfr. 5 modice convexis, sensim accrescentibus, ultimo spira paulo brevior; columella compressa, plana, fusca, basi*

subtruncata; apertura obliqua, truncato-oblonga; perist. castaneo, anguste reflexo.

Long. 37, diam. 24 mill.

Hab. Philippine Islands.

28. *BULIMUS INÆQUALIS*, Pfr. *B. testa anguste umbilicata, oblique fusiformi, tenuiuscula, lævigata, nitida, alba unicolore vel strigis latis ramosis violaceo-nigricantibus picta; spira gracili, conica, acuta; anfr. 6 vix convexiusculis, ultimo spira longiore, antice subascendente, latere aperturali planulato, basi subattenuato; apertura subverticali, elongato-auriformi, intus violaceo-limbata; columella violacea, superne oblique plicata; perist. albo, late expanso, margine columellari plano, patente, superne flexuoso.*

Long. 43, diam. 13 mill.

Hab. Banks of the Maranhon.

29. *BULIMUS GUEINZII*, Pfr. *B. testa profunde rimata, oblongo-conica, tenui, sublævigata, nitida, albida, strigis angustis fuscis, basin versus undulatis, ornata; spira conica, acutiuscula; anfr. 6 convexiusculis, ultimo spira vix brevior, basi subattenuato, ad rimam violaceo; columella compressa, subtorta, violacea; apertura vix obliqua, truncato-oblonga, intus lilacina; perist. tenui, margine dextro superne valde curvato, late expanso, columellari patente.*

Long. 23, diam. 10 mill.

Hab. Meobamba, Peru (Mr. Gueinzus).

30. *BULIMUS CLARUS*, Pfr. *B. testa rimato-umbilicata, ovato-oblonga, tenui, lævigata, nitida, diaphana, sub epidermide fugace fulvescente-albida; spira elongata, convexo-conica, obtusula; anfr. $5\frac{1}{2}$ modice convexis, ultimo $\frac{2}{7}$ longitudinis subæquante, basi rotundato; columella leviter arcuata; apertura obliqua, truncato-ovali; perist. tenui, marginibus conniventibus, dextro breviter expanso, columellari dilatato, patente.*

Long. 16, diam. $7\frac{2}{3}$ mill.

Hab. Meobamba, Peru (Mr. Gueinzus).

31. *BULIMUS LACTIFLUUS*, Pfr. *B. testa breviter rimato-perforata, fusiformi-turrita, tenuiuscula, sublævigata, cornea, strigis lacteis subserratis notata; spira turrita, apice acutiuscula, sæpe nigro-cornea; anfr. 10-11 convexiusculis, ultimo $\frac{2}{7}$ longitudinis subæquante, basi attenuato, compresso; columella leviter arcuata; apertura vix obliqua, ovali-oblonga; perist. tenui, margine dextro anguste expanso, columellari a basi dilatato, fornicatim reflexo.*

Long. $16\frac{1}{2}$ -17, diam. $4\frac{2}{3}$ mill.

Hab. Chili.

32. *BULIMUS FLORIDANUS*, Pfr. *B. testa anguste perforata, ovato-turrita, sublævigata, griseo-hyalina, strigis et maculis opacis, albis notata; spira elongato-conica, acutiuscula; anfr. $6\frac{1}{2}$ convexiusculis, superis interrupte fusco-fasciatis, ultimo $\frac{3}{7}$ longi-*

tudinis subæquante, infra medium subangulato, basi attenuato; columella subtorta, recedente; apertura parum obliqua, ovali; perist. tenui, margine dextro anguste expanso, columellari dilatato, reflexo, fere adnato.

Long. $15\frac{2}{3}$ –17, diam. $7\frac{1}{2}$ mill.

Hab. Florida.

33. *BULIMUS DISTANS*, Pfr. *B. testa compresse umbilicata, ovato-conica, tenuiuscula, costis subarcuatis, chordæformibus subdistantibus sculpta, subdiaphana, albida; spira elevato-conica, obtusula; anfr. 7 convexis, ultimo $\frac{3}{7}$ longitudinis subæquante, basi rotundato; columella profunde subtorta; apertura parum obliqua, acuminato-subovali; perist. tenui, marginibus convergentibus, dextro breviter expanso, columellari dilatato, patente.*

Long. $22\frac{1}{2}$, diam. $10\frac{1}{2}$ mill.

Hab. Isle of Karah, Gulf of Persia.

34. *BULIMUS ÆSTIVUS*, Pfr. *B. testa umbilicata, oblongo-turrita, solidula, irregulariter striata, albida; spira elongata, convexiusculo-conica, acutiuscula; anfr. 6 modice convexis, ultimo $\frac{3}{7}$ longitudinis subæquante, basi vix attenuato; columella subrecedente; apertura parum obliqua, acuminato-ovali; perist. tenui, margine dextro anguste expanso, columellari dilatato, fornicatim reflexo.*

Long. 17, diam. $7\frac{1}{3}$ mill.

Hab. Meobamba, Peru (Mr. Gueinzius).

35. *BULIMUS CHARBONNIERI*, Pfr. *B. testa profunde rimata, ovato-conica, tenuiuscula, confertim costulato-striata, diaphana, corneo-albida; spira elevato-conica, obtusa; anfr. 6 convexiusculis, ultimo spira paulo brevior, juxta umbilicum rimæformem subcompressa; columella substricta; apertura parum obliqua, elliptico-ovali; perist. tenui, marginibus approximatis, dextro perarcuato, breviter expanso, columellari sursum dilatato, patente.*

Long. 15, diam. 8 mill.

Hab. Isle of Karah, Gulf of Persia.

36. *BULIMUS TIBETANUS*, Pfr. *B. testa profunde rimata, ovato-oblonga, pupæformi, solidula, striatula, albida, strigis et maculis corneis irregulariter notata; spira subcylindrica, sensim in conum obtusulum attenuata; anfr. 8–8 $\frac{1}{2}$ vix convexiusculis, ad suturam plicatulis, ultimo $\frac{1}{3}$ longitudinis subæquante, antice ascendente, basi compresso; columella subplicata; apertura verticali, sinuato-ovali; perist. albolabiato, expanso, marginibus callo subjunctis, columellari reflexiusculo.*

Long. 32, diam. 11 mill.

Hab. Tibet.

37. *BULIMUS COCHINCHINENSIS*, Pfr. *B. testa imperforata, fusiformi-ovata, solida, lævigata, nitida, pallide sulphurea vel albida; spira convexiusculo-turrita, apice obtusula; sutura levi, pallida; anfr. 6–7, superis planiusculis, sequentibus convexiori-*

bus, ultimo $\frac{2}{5}$ longitudinis subæquante, basi attenuato, subcompresso; columella funiformi, leviter torta; apertura parum obliqua, elliptico-ovali; perist. subincrassato, margine dextro breviter expanso, columellari dilatato, adnato.

Long. 39, diam. 17 mill.

Hab. Cochinchina.

38. *BULIMUS CHION*, Pfr. *B. testa perforata, oblonga, solida, striatula, alba; spira elongata, in conum acutiusculum terminata; anfr. 7-8 modice convexis, ultimo $\frac{1}{3}$ longitudinis paulo superante, antice subascendente, basi rotundato; apertura verticali, ovato-lunari; perist. calloso, marginibus callo junctis, columellari brevi, substricto, dilatato, patente.*

Long. 12, diam. $5\frac{1}{2}$ mill.

Hab. India; Punjab, Kurrachee, mouth of the Indus (Mr. Conway Shiplay).

39. *BULIMUS KANAIENSIS*, Pfr. *B. testa subperforata, conico-ovata, solidula, striatula et irregulariter malleato-impressa, alba; spira conica, sursum interdum grisea, apice obtusa; anfr. 5 convexis, ultimo spiram vix superante, oblique descendente, basi rotundata; columella vix arcuata; apertura obliqua, truncato-ovali; perist. simplice, recto, margine columellari dilatato, reflexo, subappresso.*

Long. 14, diam. 8 mill.

Hab. Kanai, Sandwich Islands.

40. *BULIMUS LORRAINII*, Pfr. *B. testa subperforata, ovato-conica, tenui, rugata, subepidermide fulvida, glutinosa, alba; spira convexiusculo-conica, obtusula; anfr. 4 convexis, ultimo spiram paulo superante, basi parum attenuato; columella compressa, leviter arcuata; apertura obliqua, acuminato-ovali, intus margaritaceo-albida; perist. simplice, recto, margine columellari anguste reflexo, subadnato.*

Long. 20, diam. 9 mill.

Hab. Isle of Penang (Mr. Lorrain).

41. *BULIMUS WOODWARDI*, Pfr. *B. testa perforata, ovato-turrita, solidula, striata et submalleata, nitidula, fulvido-alba; spira elongato-conica, acutiuscula; anfr. 8 convexiusculis, ultimo spiram paulo brevior, basi subattenuato; columella recedente; apertura obliqua, ovali-oblonga; perist. simplice, recto, margine dextro leviter arcuato, columellari sursum dilatato, fornicatim reflexo, perforationem angustam semitegente.*

Long. 31, diam. $13\frac{1}{2}$ mill.

Hab. Andes of Peru.

42. *BULIMUS CASTELNEAUI*, Pfr. *B. testa subperforata, fusiformi-turrita, tenuiuscula, striatula (sub lente decussatula), nitida, griseo-albida, punctis raris pellucidis conspersa; spira elongato-conica, apice acuta, cornea; anfr. $7\frac{1}{2}$ convexiusculis, ultimo $\frac{2}{5}$ lon-*

gitudinis subæquante, basi attenuato; columella substricta; apertura obliqua, oblonga, intus carnea; perist. simplice, recto, margine columellari sursum dilatato, fornicato-reflexo.

Long. 20, diam. $8\frac{1}{2}$ mill.

Hab. Rio Pampas, Bolivia (Mr. Castelneau).

43. *BULIMUS NIGROAPICATUS*, Pfr. *B. testa perforata, ovato-conica, tenuiuscula, striata, nitida, albida, fasciis nigricantibus crebris, superioribus moniliformibus, ornata; spira conica, apice acutiuscula, nigra; anfr. $5\frac{1}{2}$ parum convexis, ultimo spira paulo longiore, ventroso; columella levissime arcuata; apertura obliqua, elliptico-ovali; perist. simplice, recto, margine columellari superne late reflexo, subappresso.*

Long. 22, diam. $11\frac{1}{2}$ mill.

Hab. Rio Pampas, Bolivia (Mr. Castelneau).

44. *BULIMUS STENACME*, Pfr. *B. testa umbilicata, ovato-turrita, solidula, ruguloso-striata, albida, strigis angustis pallide corneis variegata; spira elongata, apicem versus acutiusculum attenuata; anfr. 7 convexiusculis, ultimo $\frac{2}{5}$ longitudinis subæquante, juxta umbilicum angustum subcompresso; apertura obliqua, oblongo-ovali, intus fusco-carnea; perist. simplice, recto, margine columellari superne dilatato, fornicatim reflexo.*

Long. $20\frac{1}{2}$, diam. 9 mill.

Hab. Bolivia.

45. *BULIMUS MONACHUS*, Pfr. *B. testa anguste perforata, oblongo-turrita, tenui, striatula, diaphana, sordide cornea; spira convexo-turrita, apice acutiuscula; anfr. $7\frac{1}{2}$ vix convexiusculis, ultimo $\frac{3}{7}$ longitudinis subæquante, basi parum attenuato, rotundato; columella recedente; apertura obliqua, oblongo-ovali; perist. simplice, recto, margine columellari sursum dilatato, reflexo.*

Long. 31, diam. $11\frac{1}{2}$ mill.

Hab. Meobamba, Peru (Mr. Gueinzus).

46. *PARTULA PURPURASCENS*, Pfr. *P. testa perforata, ovato-conica, solida, oblique striata striisque spiralibus confertis distincte decussata, nitida, purpurascenti-fusca; spira convexo-conica, acuta; sutura levi; anfr. $5\frac{1}{2}$ vix convexiusculis, ultimo spiram subæquante, peripheria subangulato, basi rotundato; columella leviter arcuata; apertura parum obliqua, truncato-oblonga; perist. fusco-violaceo, undique patente et reflexiusculo.*

Long. 22, diam. 14 mill.

Hab. — ?

47. *PARTULA CALLIFERA*, Pfr. *P. testa umbilicata, ovato-conica, solida, sublævigata (sub lente punctulato-striata), albida; spira convexiusculo-conica, obtusula; sutura levi; anfr. 5 convexiusculis, ultimo spira paulo longiore, inflato; columella subverticali, superne tuberculifera, intus plicata; apertura vix obliqua, sinuato-oblonga, dente profundo parietali coarctata; perist. incrassato,*

dilatato, marginibus callo junctis, dextro supra medium callo oblongo intus munito.

Long. 19, diam. 11 mill.

Hab. — ?

48. *PARTULA LÆVIGATA*, Pfr. *P. testa profunde rimata, ovato-conica, solida, lævigata (sub lente vix striatula), nitida, lutescente; spira conica, obtusula; sutura mediocri; anfr. 5 convexiusculis, ultimo spiram subæquante, prope suturam tumidiore, basi rotundato; columella supra medium introrsum nodoso-plicata; apertura vix obliqua, oblonga, tuberculo profundo anfractus penultimi coarctato; perist. crasso, albo, undique patente, margine columellari superne dilatato, adnato.*

Long. 20, diam. 10 mill.

Hab. — ?

49. *PARTULA LILACINA*, Pfr. *P. testa subobtecte perforata, ovato-conica, solida, sub lente spiraliter striata, nitidula, lilacina; spira conica, acuta; sutura levi; anfr. 5½ vix convexiusculis, ultimo spiram subæquante, rotundato; columella superne tuberculo subcircumscripto munita; apertura obliqua, truncato-oblonga; perist. incrassato, albido, breviter expanso, margine columellari fere adnato.*

Long. 17½, diam. 10 mill.

Hab. Marquesas Islands.

50. *ACHATINELLA (ACHATINELLASTRUM) OVUM*, Pfr. *A. testa sinistrorsa, imperforata, globoso-conica, solida, ruguloso-striata, nitidula, albida; spira concaviusculo-conica, apice acuta; sutura profunde marginata; anfr. 5½, superis planis, sequentibus convexis, ultimo inflato, spira vix brevior; plica columellari crassa, tuberculiformi, pallide lilacea; apertura diagonali, sinuato-semicirculari; perist. recto, nigro-fusco, limbato, intus crenatolabiato.*

Long. 19½, diam. 13 mill.

Hab. Oahu, Sandwich Islands (Dr. Newcomb).

51. *ACHATINELLA (LAMINELLA) FARCIMEN*, Pfr. *A. testa sinistrorsa, subperforata, oblongo-conica, solidula, rugulosa, sub epidermide nigricante albida; spira superne in conum acutum nudum terminata; anfr. 7, superis planis, 2 ultimis perconvexis, ultimo ⅓ longitudinis paulo superante, medio subangulato; plica columellari compressa, obliqua; apertura obliqua, semiovali, intus alba; perist. simplice, recto, margine columellari subpatente.*

Long. 19, diam. 9 mill.

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

52. *ACHATINELLA (LABIELLA) CALLOSA*, Pfr. *A. testa imperforata, dextrorsa, fusiformi-oblonga, solida, leviter striatula, sub epidermide tenui fulvida alba; spira elongata, ventroso-conica,*

apice obtusula; sutura sublacera; anfr. 8 planiusculis, ultimo $\frac{1}{3}$ longitudinis paulo superante, basi attenuato; plica columellari acute dentiformi, alba; apertura vix obliqua, acuminato-elliptica; perist. calloso, obtuso, margine dextro intus obsolete dentato.

Long. 16, diam. 6 mill.

Hab. Oahu, Sandwich Islands (Dr. Newcomb).

53. ACHATINA (VARICELLA) GUADELOUPENSIS, Pfr. *A. testa oblongo-turrita, tenui, levigata, nitidissima, pellucida, virenti-cornea, varicibus arcuatis, vix prominulis, castaneo-marginatis passim munita; spira regulariter attenuata, apice obtusa; anfr. 7 convexiusculis, ultimo $\frac{1}{3}$ longitudinis subæquante, basi attenuato; columella perarcuata, basi anguste truncata; apertura vix obliqua, acuminato-ovali; perist. tenui, margine dextro antrorsum dilatato, rufo-limbato.*

Long. 14, diam. $4\frac{1}{3}$ mill.

Hab. In insula Guadeloupe (Mr. Caillet).

54. SPIRAXIS SANDWICHENSIS, Pfr. *Sp. testa subperforata, oblongo-turrita, solidula, cerea; spira turrita, obtusula; anfr. $7\frac{1}{2}$ planiusculis, infra suturam plicatis, ultimo $\frac{1}{3}$ longitudinis paulo superante; columella compressa, torta; apertura vix obliqua, ovali; perist. simplice, marginibus callo tenui junctis, dextro antrorsum subdilatato, columellari subreflexo.*

Long. 9, diam. 3 mill.

Hab. Sandwich Islands (Dr. Newcomb).

55. SPIRAXIS OBSOLETA, Pfr. *Sp. testa subperforata, oblongo-turrita, tenui, levissime striatula, pellucida, nitida, pallide cornea; spira convexiusculo-turrita, obtusa; sutura marginata; anfr. $6\frac{1}{2}$ convexiusculis, ultimo $\frac{2}{5}$ longitudinis formante; columella acuta, medio leviter torta; apertura vix obliqua, elliptico-ovali; perist. simplice, margine columellari brevissime reflexo, subadnato.*

Long. 8, diam. 3 mill.

Hab. Sandwich Islands (Dr. Newcomb).

56. TORNATELLINA GOULDI, Pfr. *T. testa ovato-conica, tenui, sublævigata, pellucida, cornea; spira elongato-conica, apice obtusula; anfr. $5\frac{1}{2}$ convexis, ultimo $\frac{2}{5}$ longitudinis subæquante, rotundato; apertura obliqua, erecto-lunari, lamella valida intrante parietali et plica crassa triangulari columellæ coarctata; perist. recto, tenui.*

Long. 4, diam. $2\frac{1}{2}$ mill.

Hab. — ?

57. TORNATELLINA NEWCOMBI, Pfr. *T. testa perforata, ovato-turrita, tenui, sublævigata, parum nitida, diaphana, pallide cornea; spira subrectilineari, conica, obtusula; anfr. 7 subplanis, ultimo $\frac{1}{3}$ longitudinis vix formante, basi convexo; apertura obliqua, ro-*

tundato-lunari, lamella mediocri parietali et plicis 2 parallelis columellæ coarctata; perist. simplice, recto.

Long. 4, diam. $2\frac{1}{3}$ mill.

Hab. Sandwich Islands (Dr. Newcomb).

58. *TORNATELLINA PERFORATA*, Pfr. *T. testa perforata, ovato-turrita, arcuato-striata, tenui, albido-hyalina; spira elongata, apice acuta; anfr. 7 convexis, ad suturam distanter plicatulis, ultimo $\frac{1}{3}$ longitudinis paulo superante; lamella parietali minuta; apertura vix obliqua, sinuato-ovali, acuminata; columella lamina torta munita; perist. tenui, margine dextro recto, superne antrorsum arcuato, basali expanso, columellari fornicatim reflexo, patente.*

Long. 18, diam. $7\frac{1}{2}$ mill.

Hab. Venezuela.

6. DESCRIPTIONS OF SIXTEEN NEW SPECIES OF PNEUMONOPOMA, FROM THE COLLECTION OF H. CUMING, ESQ.

BY DR. L. PFEIFFER.

A. OPISOPHTHALMA.

1. *DIPLOMMATINA CANTORI*, Pfr. *D. testa subrimata, sinistrorsa, ovato-oblonga, tenuiuscula, confertim et oblique plicata, albida; spira ovata, in conum acutiusculum terminata; anfr. 6 convexiusculis, ultimo ascendente, $\frac{1}{3}$ longitudinis vix superante; apertura subverticali, circulari; perist. subsimplice, continuo, superne adnato, cæterum breviter expanso.*

Long. 2, diam. 1 mill.

Hab. Lord Howe's Island, New Hebrides (Mr. Macgillivray).

2. *TRUNCATELLA CEYLANICA*, Pfr. *Tr. testa subrimata, attenuato-cylindræa, striatula, pellucida, nitida, corneo-rufa vel flavescens; anfr. superst. 4, supremis 2 rotundatis, reliquis planioribus, omnibus ad suturam plicato-crenatis, ultimo basi non compresso; apertura verticali, ampla, angulato-subovali; perist. continuo, margine dextro tenui, expansiusculo, columellari leviter arcuato, appresso.*

Long. 6, diam. 2 mill.

Hab. Ceylon.

3. *TRUNCATELLA TERES*, Pfr. *Tr. testa vix subrimata, cylindrica, tenuiuscula, longitudinaliter magis minusve distincte costulata, pellucida, nitida, rufo-cornea; sutura marginata, valide plicato-crenata; anfr. superst. 4 subæqualibus, convexiusculis, ultimo basi breviter cristato, calloso, albido; apertura verticali, late ovali, superne angulata, ad dextram dilatata; perist. simplice, continuo, margine dextro expansiusculo, columellari adnato.*

Long. 6, diam. 2 mill.

Hab. Isle of Mauritius, and Trinity Bay, Australia.

4. *TRUNCATELLA BARBADENSIS*, Pfr. *Tr. testa subrimata, cylindracea, sursum vix attenuata, solidula, costulis confertis, obtusis, subrectis regulariter sculpta, sericina, rufo-cornea; sutura profunda; anfr. superst. 4½ perconvexis, lente accrescentibus, ultimo basi crista albida, antice peristoma cingente munito; apertura verticali, ovali, superne subrotundata, basi subeffusa; perist. continuo, margine dextro expanso et reflexiusculo, perarcuato, columellari subadnato.*

Long. $6\frac{1}{3}$, diam. 2 mill.

Hab. Island of Barbadoes, West Indies.

B. ECTOPHTHALMA.

5. *CYCLOSTOMA (CYCLOTUS) DAUCINUM*, Pfr. *C. testa umbilicata, depressa, solidula, subangulata, daucina vel albida; spira parum elevata; sutura simplice; anfr. 4½ convexis, sensim accrescentibus, superioribus spiraliter striatis, ultimo rugoso, carina mediocri, antice evanescente munito; umbilico conico, $\frac{1}{4}$ diametri paulo superante; apertura parum obliqua, subcirculari; perist. simplice, recto, ad anfr. penultimum breviter interrupto. Operc. anguste et obsolete spiratum.*

Diam. maj. 12, min. 10, alt. 6 mill.

Hab. Salomon's Islands.

6. *CYCLOSTOMA (OPISTHOPORUS) COCHINCHINENSE*, Pfr. *C. testa late umbilicata, discoidea, solida, vix striatula, sub epidermide fulvida alba, radiis pellucidis notata; spira subplana, medio vix elevata; anfr. 5 convexis, ultimo terete, antice soluto, pone aperturam spiraculo versus anfr. penultimum curvato munito; apertura circulari; perist. subsimplice, vix expansiusculo, superne levissime inciso. Operc. ?*

Diam. maj. 20, min. 16, alt. 7 mill.

Hab. Cochin China.

7. *CYCLOSTOMA (OPISTHOPORUS) EURYOMPHALUM*, Pfr. *C. testa late umbilicata, depressa, subdiscoidea, solidula, striatula, lutescente, strigis angulosis castaneis, superne latis, subtus linearibus, picta; spira plana, vertice nigro vix prominulo; anfr. 4½, prope suturam canaliculatam subangulatis, ultimo antice vix descendente, 4 mill. pone aperturam spiraculo brevi retroflexo munito; umbilico dimidium diametri fere occupante; apertura diagonali, subcirculari; perist. duplice, interno breviter expanso, ad anfr. penultimum subinciso, externo superne alatum dilatato, latere dextro patente, sinistro obsoleto. Operc. calcareum, angustispirum.*

Diam. maj. 15, min. 12, alt. 4 mill.

Hab. Borneo.

8. *CYCLOSTOMA (CYCLOPHORUS) SHIPLAYI*, Pfr. *C. testa umbilicata, depressa, tenuiuscula, membranaceo-striata, fulva, cas-*

taneo oblique strigata; spira vix elevata; anfr. 4 convexis, ultimo terete; umbilico $\frac{1}{3}$ diametri occupante; apertura obliqua, subcirculari; perist. simplice, recto, ad anfractum contiguous vix interrupto. Operc.?

Diam. maj. 7, min. 6, alt. 3 mill.

Hab. Neilgherries, India (Mr. Conway Shiplay).

9. *CYCLOSTOMA (LEPTOPOMA) SIGNATUM*, Pfr. *C. testa perforata, globoso-turbinata, tenui, sub lente decussatula et lineis filaribus, subelevatis, subdistantibus cincta, diaphana, lutescenti-cornea, strigis confertis rufis fulgurata; spira turbinata, acutiuscula; anfr. 5 convexis, ultimo spiram subæquante, 5-lirato; apertura diagonali, subcirculari; perist. subincrassato, patente, marginibus fere contiguis, columellari angustiore. Operc.?*

Diam. maj. 11, min. $8\frac{2}{3}$, alt. $8\frac{2}{3}$ mill.

Hab. Borneo.

10. *CYCLOSTOMA (LEPTOPOMA) DUPLICATUM*, Pfr. *C. testa anguste umbilicata, globoso-turbinata, solidula, undique confertim spiraliter striata lirisque filiformibus distantibus cincta, fulva, strigis fulguratis rufis ornata; spira elevata, acutiuscula; anfr. 5 convexis, ultimo superne turgido, infra medium carina levi munito; apertura obliqua, subangulato-circulari; perist. subcontinuo, albo, duplice, interno vix porrecto, externo expanso et reflexiusculo, latere sinistro quasi abscisso. Operc.?*

Diam. maj. 10, min. 8, alt. 7 mill.

Hab. —?

11. *CYCLOSTOMA (CYCLOSTOMUS) BOIVINI*, Pfr. *C. testa obtecte perforata, globoso-turbinata, tenuiuscula, spiraliter obsolete lirata; griseo et fulvido variegata, spadiceo multifasciata; spira turbinata; anfr. fere 6 turgidis, celeriter accrescentibus, ultimo ventroso, peripheria carina 1 compressa, albida munito, circa umbilicum confertim spiraliter lirato; apertura subverticali, oblongo-rotundata, intus nigricanti-sanguinea; perist. tenui, ad anfr. penultimum subemarginato, superne producto, margine dextro et basali late patente, columellari angusto, supra umbilicum dilatato, adnato. Operc.?*

Diam. maj. 29, min. 23, alt. 25 mill.

Hab. Nos-bé, Madagascar (Mr. Boivin).

12. *CYCLOSTOMA (CYCLOSTOMUS) MICROCHASMA*, Pfr. *C. testa umbilicata, depresse turbinato-globosa, tenuiuscula, spiraliter confertim lirata, striis incrementi vix decussatula, albido-lutescente; spira turbinata, obtusula; anfr. $4\frac{1}{2}$ convexis, ultimo terete, infra peripheriam fascia latiuscula castanea ornato; umbilico conico, $\frac{1}{5}$ diametri fere occupante; apertura parum obliqua, parvula, fere circulari; perist. tenui, vix expansius-*

culo, marginibus fere contiguis, ad anfr. penultimum callo brevi junctis. Operc.?

Diam. maj. 18, min. $15\frac{1}{2}$, alt. 12 mill.

Hab. Madagascar.

13. CYCLOSTOMA (CYCLOSTOMUS) SARCODES, Pfr. *C. testa umbilicata, turbinata, solidula, liris obtusis subconfertis striisque illas transgredientibus creberrimis sculpta, carnea, fusco-violaceo uni-vel plurifasciata; spira turbinata, acutiuscula; anfr. 5 convexis, ultimo circa umbilicum angustum, subpervium liris angustioribus, prominentioribus munito; apertura fere verticali, ovali-rotundata; perist. anguste expanso, breviter adnato, superne subangulato. Operc.?*

Diam. maj. 17, min. 14, alt. 14 mill.

Hab. Madagascar.

14. CATAULUS CUMINGI, Pfr. *C. testa vix rimata, turrito-fusiformi, solidula, subgranulato-striata, daucino-fusca; spira convexo-turrita, apice acutiuscula; sutura submarginata; anfr. 8 vix convexiusculis, penultimo convexiore, ultimo attenuato, basi axin vix excedente; carina umbilicali compressa, albida, angulatim patula; periomphalo mediocri, turgido, distinctius striato; apertura subcirculari; perist. albo, continuo, incrassato, fornicatim patente, superne anguste adnato, cæterum dilatato, basi longe producto, canali infundibuliformi perforato.*

Long. $20\frac{2}{3}$, diam. medio 7 mill.

Hab. Ceylon (Mr. Thwaites).

15. HELICINA IDÆ, Pfr. *H. testa conoideo-depressa, tenuiuscula, striata, lineis spiralibus impressis distantibus sculpta, nitida, lutea vel carnea; spira conoidea, acutiuscula; anfr. 5 planiusculis, ultimo peripheria subangulato, basi convexiore; callo basali tenui, concolore; columella brevi, antrorsum subdentata; apertura diagonali, subsemicirculari; perist. acuto, breviter expanso, intus labiato. Operc.?*

Diam. maj. 8, min. $6\frac{1}{2}$, alt. $4\frac{1}{2}$ mill.

Hab. Ceram (Mrs. Ida Pfeiffer).

16. HELICINA VIRENS, Pfr. *H. testa conoidea, solida, striatula et sub lente minute spiraliter striata, carinata, nitida, albido-virente; spira convexo-conoidea, apice acuta; sutura marginata, carina interdum prominente; anfr. 6 vix convexiusculis, summis interdum rufo-fasciatis, ultimo antice vix descendente, peripheria acute albocarinato, basi parum convexo; apertura diagonali, subtriangulari-semiovali; columella brevi, superne leviter impressa, callum emittente circumscriptum, luteum, subgranulatum; perist. acuto, albo, expanso. Operc. tenue, castaneum.*

Diam. maj. $11\frac{1}{3}$, min. 10, alt. 8 mill.

Hab. —?



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