

PROCEEDINGS

OF THE

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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. 4½ turgidis, sensim accrescentibus, ultimo supra peripheriam obsolete sulcato, antice descendente, subtus rotundato; umbilico ¼ 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. *II. 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, ⅙ 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. 6½ convexiusculis, ultimo spira brevior, basi rotundato; columella subrecedente; apertura obliqua, ovali; perist. simplice, tenui, margine dextro breviter expanso, superne sinuato, columellari triangulatum dilatato, reflexo.*

Long. 29, diam. 12 mill.

Hab. Cordova.

4. *BULIMUS CORIACEUS*, Pfr. *B. testa anguste perforata, ovato-conica, solidula, sub lente obsolete 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, fornicatum reflexo.*

Long. 18, diam. 9 mill.

Hab. Cordova.

5. *BULIMUS MARTENSI*, Pfr. *B. testa subperforata, turrilo-oblonga, tenui, striatula et distanter chordato-costata, diaphana, albido-hyalina; spira turrilo-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. $4\frac{1}{4}$ 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 subobtecte 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 SALLEANNA, 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 SHUTTLEWORTHI, Pfr. (Pl. XXXV. f. 8.) *Sp. testa oblongo-glandiformi, tenuiuscula, lævigata, lineis impressis irregularibus notata, lucida, corneo-fluvescente, 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 tenni 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 $\frac{4}{5}$ longitudinis subæquante; lamina columellari crassa, alba, leviter torta, basi truncata; apertura subreticali, 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 levior; 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 sublevigato; 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. testaturrito-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, sublevigata, 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, levigata, opaca, albida; spira conica, obtusula; anfr. 7 convexis, ultimo spira paulo brevior, basi rotundato; columella verticali, subintorta, subtruncata; apertura verticali, tropezio-ovalis; perist. recto, margine dextro subrependo, columelle 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, subarcuatim munita, in interstitiis sub lente transverso-striata, carneo-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, plicata.*
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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 rinata, 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 HELOISE*, 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.*

Operc. ?—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 subdistantibus, levibus circumdata, carnea vel straminea; spira convexiusculo-conica, acuta; anfr. $5\frac{1}{2}$ vix convexiusculis, ultimo spiram subæquante, convexiore; columella brevi, basi tuberculata, callum crassum, circumscriptum retrorsum emittente; apertura fere diagonali, subsemicirculari; perist. calloso, incrassato, 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, triangulari-semiorali; 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 rotundato, antice interdum breviter soluto; apertura parum obliqua, subangulato-ovali, intus margaritacea; perist. simplice, recto, continuo, superne obsolete angulato, margine columellari leviter arcuato. — Operc. tenuissimum, fulvum, planum.

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

Hab. Cordova.

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

testa rimato-perforata, turrata, integra, tenui, longitudinaliter confertim plicata, haud nitente, pallide fulva, fasciis interruptis castaneis ornata; spira regulariter turrata, sursum plerumque violacea, apice submanillari 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, concentricè 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, peripheria 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, nitidiorè; apertura diagonali, lunato-ovali, intus margaritacea; perist. simplice, margine dextro subrependo, 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, oleosomicante, 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, periphæria obsolete ungu-
lato; apertura perobliqua, lunato-circulari; perist. tenui, subin-
flexo, 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, am-
bitu ovali, tenuissima, striatula, pellucida, nitida, lutescenti-hya-
lina; spira parum convexa, alba; sutura vix submarginata; anfr.
4 convexiusculis, penultimo sensim pellucido-radiato, ultimo ro-
tundato; apertura obliqua, lunato-subcirculari; perist. tenui,
marginibus conniventibus, subinflexis, dextro antrorsum valde ar-
cuato, 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 substrictè recedente, superne levissime
calloso-plicata; apertura fere diagonali, ubique incumbente, acu-
minato-ovali; 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 turbi-
nata, 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. ri-
tacea; 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. *II. testa imperforata, turbinata,
tenui, superne subdistanter striata, hyalina; spiræ convexiusculo-
turbinata, subacuminata; anfr. $5\frac{1}{2}$ -6 convexis, lente accrescenti-
bus, 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 spiru-
libus minutissimis sub lente sculpta, pellucida, virenti-cornea;
spira subconoidea, superne alba; anfr. 5 convexiusculis, sensim
acrescentibus, ultimo periphæria 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, ult. $11\frac{1}{2}$ mill.

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

Vitriua 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, lævique; apertura diagonali, subangulato-lunari, intus margaritacea; perist. simplice, obtusulo, margine columellari fere verticali, superne triangulatim reflexo.*

Diam. maj. 20, min. 18, ult. $11\frac{1}{2}$ 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. 5½ convexiusculis, sensim accrescentibus, ultimo peripheria carinata, antice non descendente, basi convexiore; apertura obliqua, subangulato-lunari; perist. simplice, recto, margine columellari superne anguste reflexo.*

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

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

16. *HELIX CALABARICA*, Pfr. *H. testa perforata, turbinato-lentiformi, tenui, lævigata, 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. $8\frac{1}{3}$, ult. $4\frac{1}{2}$ 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, ult. 5 mill.

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

18. *HELIX ARGUTA*, Pfr. *H. testu subclausa perforata, depressa, tenui, superne argute et confertim arcuato-striata, corneo-fusca; spira parum elevata, obtusa; sutura subcrenulata; anfr. 4½ celeriter accrescentibus, superis vix convexiusculis, ultimo peripheria carina fusiformi cincto, antice non descendente, basi lævique, luteovirente, 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 subaequante; 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, Kermadec 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. 6½ vix convexiusculis, lente accrescentibus, ultimo antice vix descendente, periphèria 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, pollide 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 ($\frac{1}{8}$ 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. Gueinzius*).

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-nigris strigibus 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 Maranhou.

29. *BULIMUS GUEINZII*, Pfr. *B. testa profunde rimata, oblongo-conica, tenui, sublævigata, nitida, albida, strigibus 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. 5½ modice convexis, ultimo 2/3 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 2/3 mill.

Hab. Meobamba, Peru (*Mr. Gueinzus*).

31. *BULIMUS LACTIFLUUS*, Pfr. *B. testa breviter rimato-perforata, fusiformi-turrita, tenuiuscula, sublævigata, cornea, strigibus lacteis subserratis notata; spira turrita, apice acutiuscula, sæpe nigro-cornea; anfr. 10-11 convexiusculis, ultimo 2/3 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 1/3-17, diam. 4 2/3 mill.

Hab. Chili.

32. *BULIMUS FLORIDANUS*, Pfr. *B. testa anguste perforata, ovato-turrita, sublævigata, griseo-hyalina, strigibus et maculis opacis, albis notata; spira elongato-conica, acutiuscula; anfr. 6 1/2 convexiusculis, superis interrupte fusco-fasciatis, ultimo 3/4 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. Gueinzus).

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 rimeformem subcompressa; columella substricta; apertura parum obliqua, elliptico-ovali; perist. tenui, marginibus approximatis, dextro perarcurato, 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, pullide 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-imprensa, 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 LORRAINI*, 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 marginitaceo-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 breviora, 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 $\frac{2}{3}$ 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, periphèria 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; unfr. 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).

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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, semiovuli, 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; spiru 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. ACHIATINA (VARICELLA) GUADELOUPENSIS, Pfr. *A. testa oblongo-turrita, tenui, lævigata, 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 flavescente; 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; spiraparum elevata; sutura simplice; anfr. 4½ convexis, sensim accrescentibus, superioribus spiraliter striatis, ultimo rugoso, carina mediocri, antice evanescente munito; umbilico conico, ½ 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. Cochinchina.

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 obsolete. 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 contiguum 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 contiguus, 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, depresso 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, $\frac{1}{2}$ diametri fere occupante; apertura parum obliqua, parvula, fere circulari; perist. tenui, vix expansius-*

culo, marginibus fere contiguus, 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, turriformi, 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, albidula, angulatim patula; periomphalo mediocri, turgido, distinctius striato; apertura subcirculari; perist. albo, continuo, incrassato, fornicatim patente, superne anguste adnato, caeterum dilatato, basi longe producto, canali infundibuliformi perforato.*

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

Hab. Ceylon (Mr. Thwaites).

15. HELICINA IDEE, 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. — ?