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July 11, 1854.

J. S. Gaskoin, Esq. F.L.S., in the Chair.

The following papers were read:—

1. DESCRIPTIONS OF TWENTY-THREE SPECIES OF HELICEA, FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. L. PFEIFFER.

1. HELIX PAGODULA, Pfr. *H. testa imperforata, gradato-conoidea, solidula, opaca, striatula et lineis impressis nonnullis obsoletis, spiralibus sculpta, sub epidermide decidua fulva albida; spira conoidea, apice obtusula; anfract.  $6\frac{1}{2}$ , superis planis, 3 ultimis carina compressa, acuta, subelevata munitis, ultimo subrecedente, basi parum convexo; apertura subdiagonuli, angulato-lunari; perist. simplice, marginibus distantibus, supero brevi, recto, basali ad insertionem subdilatao, adnato.*

Diam. maj. 15, min. 14, alt. 9 mill.

Hab. —?

2. HELIX BELLA, Pfr. *H. testa perforata, globoso-turbinata, tenuiuscula, confertim striata, rufo-fusca, nitida; spira convexo-conica, subtilissime mucronulata; sutura levi, candido-marginata; anfr.  $5\frac{1}{2}$  convexiusculis, ultimo non descendente, spiram æquante, pallidiore, fascia lata albida cincto, basi inflato, circa perforationem pallido; apertura parum obliqua, truncato-ovali, longiore quam lata; perist. recto, margine dextro ab insertione statim descendente, columellari substricto, declivi, superne breviter triangulatim dilatato.*

Diam. maj. 40, min. 34, alt. 28 mill.

Hab. Moluccas.

3. HELIX YORKENSIS, Pfr. *H. testa subobteete perforata, turbinato-depressa, tenui, capillaceo-striata, sericea, rubello-cornea; spira convexiusculo-conoidea, vertice subtili; sutura levi, simplice; anfr. 5 convexiusculis, sensim accrescentibus, ultimo non descendente, periphèria subangulato, basi nitidiore, medio impresso; apertura diagonali, rotundato-lunari, intus rubello-margaritacea; perist. simplice, recto, marginibus subconniventibus, columellari supra perforationem calloso, dilatato.*

Diam. maj. 10, min.  $8\frac{1}{2}$ , alt. 5 mill.

Hab. Cape York, N. Australia.

4. HELIX CUMULUS, Pfr. *H. testa perforata, turbinato-semiglobosa, tenui, levissime striatula, nitida, fulvo-cornea; spira convexo-conoidea, vertice subtili vix prominulo; sutura levi, submarginata; anfr.  $5\frac{1}{2}$  vix convexiusculis, lente accrescentibus, ultimo non descendente, periphèria subangulato, basi parum convexo; apertura diagonali, lunari; perist. simplice, recto, mar-*

*ginibus distantibus, columellari leviter arcuato, superne subdilatato-reflexo.*

Diam. maj. 10, min. 9, alt. 5 mill.

*Hab.* Manning River, E. Australia.

5. *HELIX OPHELIA*, Pfr. *H. testa perforata, turbinato-depressa, tenui, sub lente irregulariter capillaceo-striata, haud nitida, diaphana, cornea, strigis unguistis rufulis notata; spira convexiusculo-conoidea, vertice subtili, acutiusculo; anfract. 5 planiusculis, subæsertis, sensim accrescentibus, ultimo non descendente, subangulato, basi planiusculo; apertura obliqua, rotundato-lunari, intus nitida; perist. simplice, recto, marginibus vix convergentibus, basali strictiusculo, columellari declivi, juxta umbilicum angustissimum, pervium breviter reflexo.*

Diam. maj. 8, min. 7, alt.  $4\frac{1}{2}$  mill.

*Hab.* Australia?

6. *HELIX ZOSTEROPHORA*, Pfr. *H. testa subclausæ perforata, conoideo-depressa, solida, oblique striatula et lineis spiralibus confertissimis sub lente sculpta, albida, cingulo 1 castaneo ad peripheriam, secundo fusco-aurantiaco supra illud et fascia lata fusca in basi ornata; spira conoidea, acutiuscula; anfract. 6 convexiusculis, lente accrescentibus, ultimo non descendente, rotundato; apertura vix obliqua, transverse auriformi; perist. recto, margine supero brevi, dextro perarcuato, columellari declivi, leviter arcuato, superne calloso, dilatato, adnato.*

Diam. maj. 34, min. 29, alt. 19 mill.

*Hab.* —?

7. *HELIX VILLARIS*, Pfr. *H. testa perforata, convexo-depressa, tenuiuscula, lævigata, oleoso-micante, albido-cornea; spira brevissime conoidea, vertice subtili; sutura levi, marginata; anfract.  $5\frac{1}{2}$  convexiusculis, sensim accrescentibus, ultimo non descendente, periphæria rotundato, basi parum convexo; apertura obliqua, lunari, intus submargaritacea; perist. simplice, recto, marginibus vix convergentibus, columellari declivi, superne calloso, breviter reflexo.*

Diam. maj.  $10\frac{1}{2}$ , min.  $9\frac{1}{2}$ , alt.  $5\frac{1}{2}$  mill.

*Hab.* Cape York, Torres Strait, Lizard Point, Australia.

8. *HELIX CALCULUS*, Pfr. *H. testa latissime umbilicata, discoidea, tenui, striatula, corneo-lutescente, rufulo obsolete strigata; spira plana, subimmersa; anfract.  $8\frac{1}{2}$ , convexis, angustissimis, ultimo non descendente, altiore quam lato, superne et basi subangulato; umbilico conoideo,  $\frac{7}{10}$  diametri occupante; apertura obliqua, erecto-lunari; perist. simplice, recto, marginibus distantibus, basali perarcuato.*

Diam. maj. 10, min. 9, alt.  $3\frac{1}{2}$  mill.

*Hab.* —?

9. *HELIX HORIOMPHALA*, Pfr. *H. testa umbilicata, lenticulari, tenui, striis obliquis et spiralibus sub lente confertissime decussata,*

*vix nitidula, diaphana, pallide cornea; spira vix elevata, subconicoidea; sutura lineari; anfract. 6½ planiusculis, sensim accrescentibus, ultimo non descendente, periphæria acutissime carinato, basi paulo convexiore, carina secunda in umbilico lato, cyathiformi continuata munito; apertura perobliqua, tetragona; perist. simplice, recto, marginibus subparallelis, dextro subsinuato, basali leviter arcuato, angulum cum columellari formante.*

Diam. maj. 25, min. 22, alt. 6 mill.

*Hab.* Japanese Archipelago.

10. *HELIX GONIOMPHALA*, Pfr. *H. testa umbilicata, conoidea, solida, oblique ruguloso-striata, fulva; spira convexo-conoidea, obtusiuscula; sutura plana, marginata; anfract. 6½ planis, lente accrescentibus. ultimo superne convexiore, non descendente, periphæria subcompresse et acute carinato, basi planiusculo, circa umbilicum perangustum, pervium distincte angulato; apertura perobliqua, depresso securiformi; perist. recto, marginibus distantibus, supero simplice, antrorsum arcuato, basali calloso, incrassato, leviter arcuato, columellari angusto, breviter ascendente.*

Diam. maj. 20½, min. 19, alt. 9½ mill.

*Hab.* — ?

11. *HELIX FUNICULATA*, Pfr. *H. testa umbilicata, depressa, tenuiuscula, undique subruditer granulata, nitidula, rufa; spira brevissime conoidea, obtusa; sutura subcanaliculata; anfract. 6 convexiusculis, lente accrescentibus; ultimo rotundato, supra periphæriam fascia alba et carina funiformi cincto, antice descendente, basi inflato, circa umbilicum mediocrem, profundum subcompresso; apertura perobliqua, subangulato-lunari, intus margaritacea; perist. simplice, marginibus vix convergentibus, supero recto, basali breviter reflexo, columellari superne dilatato, fornicatim patente.*

Diam. maj. 29, min. 24, alt. 14 mill.

*Hab.* Torres Strait, Australia.

12. *HELIX CURVIDENS*, Pfr. *H. testa imperforata, globoso-conoidea, solidula, undique minute granulata, alabastrina; spira semiglobosa, vertice obtuso; sutura mediocri; anfract. 4 sensim accrescentibus, vix convexiusculis, ultimo antice vix descendente, periphæria carina subfuniformi, rugulosa, alba cincto, basi convexiore; apertura perobliqua, subtetragono-lunari; perist. simplice, marginibus distantibus, dextro recto, columellari calloso, per dilatato, introrsum dente elongato, curvato munito.*

Diam. maj. 28, min. 24, alt. 17 mill.

*Hab.* — ?

13. *HELIX MALACCANA*, Pfr. *H. testa aperte perforata, depressa, tenui, lævigata, irregulariter pustuloso-punctata, castaneo-cornea; spira vix elevata; vertice subtili; sutura distincte marginata; anfract. 5½, vix convexiusculis, sensim accrescentibus, ultimo latiore, non descendente, subdepresso, periphæria rotundato; apertura parum obliqua, latc lunari; perist. simplice, recto, marginibus*



*subconvergentibus, columellari breviter descendente, superne anguste reflexo.*

Diam. maj.  $15\frac{1}{2}$ , min. 13, alt. 7 mill.

Hab. Province of Quedo, Straits of Malacca (Capt. A. Martin).

14. *HELIX CARNEOLA*, Pfr. *H. testa angustissime umbilicata, depressa, tenui, lævigata, nitida, pellucida, rubello-cornea; spira brevissime conoidea, vertice subtili, subprominulo; sutura canaliculata, submarginata; anfract. 6, convexiusculis, lente accrescentibus, ultimo non descendente, periphèria obsolete angulato, basi planiusculo; apertura obliqua, lunari; perist. simplice, recto, marginibus distantibus, basali leviter arcuato, columellari superne dilatato, patente, perforationem perviam non occultante.*

Diam. maj.  $11\frac{1}{2}$ , min. 10, alt. 5 mill.

Hab. Ceylon.

15. *HELIX SOLIDULA*, Pfr. *H. testa subobtecte perforata, conoideo-semiglobosa, solidula, oblique costulato-striata, fulva; spira convexo-conoidea, vertice subtili, acutiusculo; sutura submarginata; anfract.  $5\frac{1}{2}$ , vix convexiusculis, sensim accrescentibus, ultimo non descendente, compresse et acute carinato, basi lineis spiralibus obsolete notato, medio impresso; apertura diagonali, angulato-lunari; perist. recto, marginibus distantibus, dextro recto, acuto, columellari calloso, incrassato, perforationem angustissimam fere claudente.*

Diam. maj. 12, min. 11, alt. 7 mill.

Hab. — ?

16. *HELIX CRASSIDENS*, Pfr. *H. testa imperforata, subglobosa, solida, ponderosa, superne confertim arcuato-striata, unicolore atro-fusca; spira semiglobosa, obtusa; anfract. 5, vix convexiusculis, ultimo antice deflexo, periphèria obsolete angulato, basi subplanato, radiato-striato, nitido; apertura diagonali, trisinuato-lunari; perist. crasso, cæruleo-albido, marginibus callo crasso, dentem validum, triangularem, transversum gerente junctis, dextro brevi, vix reflexiusculo, basali dilatato, intus dentibus 2 subæqualibus munito.*

Diam. maj.  $16\frac{1}{2}$ , min. 15, alt. 15 mill.

Hab. Martinique.

17. *HELIX SUBVITREA*, Pfr. *H. testa umbilicata, trochiformi, solidiuscula, oblique distincte striata, striis spiralibus tenuissimis confertim decussata, sericina, lutescenti-hyalina; spira convexo-conica, obtusula; anfract. 6, convexiusculis, lente accrescentibus, carina funiformi, exserta munitis, ultimo antice vix deflexo, infra carinam medianam convexiore, antice turgidulo, juxta umbilicum angustum subcanaliculato; apertura perobliqua, subtriangulari-lunari; perist. albo, nitido, marginibus remotis, dextro expansiusculo, columellari substricto, extus reflexo, intus subdentato, ad insertionem in laminam fornicatam vitream dilatato.*

Diam. maj.  $20\frac{1}{2}$ , min. 19, alt. 15 mill.

Hab. Moluccas.

18. **HELIX STIMPSONI**, Pfr. *H. testa anguste et pervie umbilicata depressa, solidiuscula, confertim striatula, oleoso-micante, rufo cornea; spira brevissime conoidea; anfract. 5 $\frac{1}{2}$  planiusculis, sensim accrescentibus, ultimo non descendente, turgido, peripheria obsolete angulato, basi distinctius striato; apertura obliqua, rotundato-lunari, intus nitida; perist. calloso, albo, undique breviter reflexo, marginibus conniventibus, dextro subhorizontaliter abeunte, columellari subarcuato, sursum dilatato.*

Diam. maj. 15, min. 13, alt. 8 mill.

Hab. China.

19. **HELIX MARTINI**, Pfr. *H. testa umbilicata, conoideo-depressa, tenui, oblique confertim subgranulato-striata, vix sericea, pallide fulva; spira breviter conoidea, vertice subtili, obtusulo; anfract. 7-8, planiusculis, lente accrescentibus, ultimo turgido, antice non descendente, supra peripheriam subacute carinato; umbilico angusto, non pervio; apertura diagonali, oblique lunari, intus margaritacea; perist. albo, marginibus callo tenuissimo junctis, dextro breviter expanso, superne subangulatim producto, basali paulo latius revoluto, juxta umbilicum sinuato, subdilatato.*

Diam. maj. 35-43, min. 31-37, alt. 16-21 mill.

Hab. Pedang (Capt. A. Martin).

20. **HELIX APPENDICULATA**, Pfr. *H. testa umbilicata, globoso-depressa, solidula, oblique striata, fulvo-lutea, fasciis variis nigro-castaneis ornata; spira brevi, convexa, vertice subtili non prominulo; anfract. 6, vix convexis, ultimo rotundato, antice deflexo; apertura diagonali, rotundato-lunari, intus margaritaceo-albida; perist. simplice, atro-violaceo vel albo, marginibus subconvergentibus, dextro expanso, basali reflexo, columellari supra umbilicum mediocrem in appendiculam triangularem, planam, superne adnatam dilatato.*

Diam. maj. 41, min. 34, alt. 24 mill.

Hab. Australia.

21. **STREPTAXIS CONOIDEA**, Pfr. *Str. testa anguste et pervie umbilicata, subregulariter conoidea, solidula, superne oblique costulato-striata, virenti-alabastrina; spira gradato-conoidea, apice obtusa; anfract. 7, convexis, lente accrescentibus, hinc inde varicosis, ultimo peripheria subangulato, antice vix deviante, basi planiusculo, laevigato, nitido; apertura diagonali, lunari, intus margaritacea; perist. undique breviter revoluto.*

Diam. maj. 18, min. 16, alt. 10 mill.

Hab. Province of Quedo, Straits of Malacca (Capt. A. Martin).

22. **STREPTAXIS FORTUNEI**, Pfr. *Str. testa profunde arcuato-rimata, subperforata, depresso ovata, tenui, pellucida, hyalina; spira laterali, apice subconoideo; anfract. 6, convexiusculis, laevigatis, ad suturam striatulis, penultimo varicoso, gibboso, ultimo antrorsum deviante; apertura perobliqua, late lunari; pariete aperturali lamella mediocri intrante munito; perist. calloso,*

*albo, undique expanso et reflexo, margine dextro superne repando, medio crassiore.*

Diam. maj. 9, min.  $6\frac{1}{2}$ , alt.  $5\frac{1}{3}$  mill.

*Hab.* Shanghai, China (*Mr. Fortune*).

23. *ACHATINA FLEXUOSA (GLANDINA) Pfr.* *A. testa subfusiformi-oblonga, solida, longitudinaliter flexuose plicato-striata, alba, epidermide fulva, strigis angustis castaneis irregulariter notata induta; spira conica, obtusa; sutura sublacera; anfract. 7, vix convexiusculis, ad suturam subcrenatis, ultimo antice deflexo, spiram superante, basi attenuato; columella arcuata, ad basin aperturae elongato-semiovalis abrupte truncata; perist. obtuso, margine dextro repando, medio antrorsum dilatato.*

Long 53, diam. 20 mill.

*Hab.* —?

## 2. DESCRIPTIONS OF SEVEN SPECIES OF CYCLOSTOMACEA AND AURICULACEA, FROM MR. CUMING'S COLLECTION.

BY DR. L. PFEIFFER.

1. *CYCLOSTOMA CASTUM (CYCLOSTOMUS?)*, Pfr. *C. testa umbilicata, globoso-turbinata, tenui, striis elevatis obliquis et spiralibus confertissime reticulata, vix nitidula, candida; spira breviter turbinata, vertice truncatulo; anfract. 5, convexis, rapide accrescentibus, ultimo rotundato, fascia 1 obsoleta fulva infra medium signato; umbilico profundo,  $\frac{1}{4}$  diametri fere æquante; apertura obliqua, subcirculari, intus concolore, nitida; perist. mediocriter expanso et revoluto, margine columellari in laminam latis-simam, superne adnatam, umbilicum semioccurrentem dilatato. Operc. —?*

Diam. maj. 28, min. 22, alt. 16 mill.

*β Anfractu ultimo antice longe soluto, dorso carinato.*

*Hab.* Madagascar.

2. *CYCLOSTOMA VIRGO (CYCLOSTOMUS?)*, Pfr. *C. testa umbilicata, turbinato-globosa, depressiuscula, tenui, confertim striata et liris spiralibus (quorum singulis validioribus) asperato-granulata, haud nitente, diaphana, albido-fulvescente, castaneo trifasciata; spira breviter turbinata, vertice submamillari; anfract. 5, convexis, rapide accrescentibus, ultimo rotundato; umbilico profundo,  $\frac{1}{6}$  diametri vix superante; apertura obliqua, subangulato-circulari, intus nitida; perist. dilatato, undique subrectangule patente, nitido, albo, castaneo-maculato, superne subfornicata, margine sinistro crenulato, supra umbilicum in laminam magnam superne adnatam dilatato. Operc. —?*

Diam. maj. 26, min. 21, alt. 15 mill.

*Hab.* Madagascar.