

PROCEEDINGS

OF THE

SCIENTIFIC MEETINGS

OF THE

ZOOLOGICAL SOCIETY

OF LONDON

FOR THE YEAR

1861.



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2, QUERSTRASSE.

6. DESCRIPTIONS OF NEW LAND-SHELLS, IN THE COLLECTION OF H. CUMING, ESQ. BY DR. LOUIS PFEIFFER.

1. *HELIX URANUS*, Pfr. (§ 28, n. 394 a). *T. subclausa perforata, depressa, solida, conferte leviter striata, et striis inæqualibus concentricis subtiliter decussata, castanea; spira parum elevata, obtusa; sutura levissima; anfr. 4½, vix convexiusculi, regulariter accrescentes, ultimus non descendens, carinatus, basi antice subinflatus; apertura perobliqua, rhombea, intus cærulescenti-albida; perist. rectum, marginibus callo subflexuoso junctis, subparallelis, basali arcuato, subincrassato, ad perforationem dilatato, adnato.*

Diam. maj. 68, min. 57, alt. 28 mill.

Hab. Polillo Islands (*Mr. Porte*).

2. *HELIX NEPTUNUS*, Pfr. (§ 33, n. 594 a). *T. mediocriter umbilicata, depressa, solidula, striis incrementi et lineis spiralibus subtilissime foveolata, fulva, nitidula; spira breviter conoidea, obtusula; anfr. 5½, convexiusculi, ultimus non descendens, inflatus, periphæria obsolete subangulatus, subtus interdum fasciis nonnullis angustis rufescentibus pictus; apertura obliqua, late lunaris, intus nitide margaritacea; perist. simplex, rectum, marginibus subconniventibus, basali non dilatato, columellari leviter fornicato-reflexo.*

Diam. maj. 74, min. 63, alt. 41 mill.

Hab. Siam (*M. Mouhot*).

This shell is evidently allied to the still unknown *H. pernobilis*, Fér. (pl. 74. f. 4 = *Limax lampas*, Martyn), and appears to differ from that figure only by its greater size, the obsolete keel, and the lower part of the peristome not being broadly reflected.

3. *HELIX LACTIFLUA*, Pfr. (1276 a). *T. imperforata, globosotrochiformis, tenuis, leviter striata, alabastrina, strigis filiformibus lacteis fere obducta; spira turbinata, vertice obtuso; anfr. 4, convexi, ultimus non descendens, infra medium subcarinatus et fascia opaca cretacea cinctus; apertura fere diagonalis, rhombeo-lunaris; perist. album, undique expansum, et reflexiusculum, margine supero antrorsum flexuoso, columellari valde dilatato, adnato, intus angulatim descendente.*

Diam. maj. 24½, min. 20, alt. 17 mill.

Hab. New Georgia (*Mr. Macgillivray*).

4. *HELIX POLILLENIS*, Pfr. (n. 1306 a). *T. imperforata, ovato-conoidea, solida, striata, castanea; spira convexo-conoidea, obtusula; anfr. 5, modice convexi, summi pallidi, interdum castaneo-unifasciati, penultimus albo-strigatus, ultimus epidermide crassiuscula subhydrophana fusculo-albida fere omnino obductus; columella subdeclivis, parum arcuata, compressa, lata; apertura obliqua, lunato-ovalis, intus cærulescenti-alba; perist. album vel rubellum, breviter incrassato-expansum, marginibus convergentibus, dextro subflexuoso.*

Diam. maj. 47, min. 38, alt. 38 mill.

β. *Minor, castanea, superne pallidior et fasciata, anfractibus 2, ultimis epidermide albida vel fuscula fasciatis et strigatis.*

Diam. maj. 42, min. 35, alt. 35 mill.

Hab. Polillo Islands (*Mr. Porte*).

5. *HELIX PORTII*, Pfr. (n. 1308 a). *T. imperforata, globoso-conoidea, tenuiuscula, striatula, pallide lutescens, ad suturam fascia nigro-castanea ornata; spira convexo-elata, obtusa; anfr. 5, convexiusculi, summi nudi, albidii, ultimi strigis copiosis epidermidis hydrophanæ albidæ picti, ultimus ventrosus, non descendens; columella alba, vix arcuata, compressa, excavata, area nigricante cincta; apertura obliqua, rotundata lunaris, intus margaritaceo-alba; perist. breviter reflexum, margine dextro antrorsum subflexuoso.*

Diam. maj. 44–45, min. 37, alt. 36 mill.

Hab. Polillo Islands (*Mr. Porte*).

6. *HELIX AJAX*, Pfr. (n. 1342 a). *T. imperforata, conoideo-globosa, solidula, striatula, nigro-castanea, fasciis et strigis epidermidis hydrophanæ albidæ dense reticulata; spira convexo-conoidea, apice pallida, obtusula; anfr. 4½, convexiusculi, regulariter accrescentes; columella alba, lata, compressa, obliqua; apertura parum obliqua, rotundato-lunaris, intus margaritaceo-micans; perist. album vel rubellum, undique breviter expansum, marginibus convergentibus, basali cum columella angulum obsoletum formante.*

Diam. maj. 42, min. 35, alt. 30–31 mill.

Hab. Polillo Islands (*Mr. Porte*).

7. *HELIX HECTOR*, Pfr. (n. 1349 a). *T. imperforata, subglobosa, tenuis, striatula, straminea, castaneo-plurifasciata, epidermide hydrophana lactea strigatim fere obducta; spira brevis, convexa, obtusula; anfr. 4, convexiusculi, summi nudi, carneo-fulvi, ultimus subdepresso-rotundatus, antiæ vix descendens; columella tenuissima, fere verticalis, subtruncata; apertura obliqua, rotundato-lunaris, intus lutescens, castaneo late trifasciata; perist. simplex, tenue, undique breviter expansum.*

Diam. maj. 38, min. 31, alt. 27 mill.

Hab. Polillo Islands (*Mr. Porte*).

8. *HELIX ANDROMACHE*, Pfr. (n. 1349 b). *T. imperforata, subglobosa, tenuiuscula, striatula, castanea, parum nitens; spira convexa, vertice minuto; anfr. 4–4½, modice convexi, summi albidii, penultimus fulvicans, ultimus globosus, non descendens, interdum liris spiralibus leviter cinctus; columella alba, subverticalis, compressa; apertura obliqua, lunato-rotundata, intus margaritacea; perist. simplex, albidum, undique breviter expansum, marginibus convergentibus, dextro subflexuoso.*

Diam. maj. 37, min. 30, alt. 28 mill.

Hab. Polillo Islands (*Mr. Porte*).

9. *HELIX LEUCOTHOË*, Pfr. (n. 1631 a). *T. anguste umbilicata, trochiformis, tenuiuscula, striatula, superne striis antrorsum descendentibus, subtus striis subconcentricis sublente decussatula, albida; spira turbinata, apice obtusula; anfr. 4½, convexi, ultimus antice vix descendens, periphæria acute carinatus, subtus prope carinam castaneo-unifasciatus, minus convexus; apertura diagonalis, rhombeo-lunaris; perist. expansum, margine supero tenui, basali medio incrassato, columellari dilatato, purpurascente.*

Diam. maj. 20½, min. 17, alt. 12½ mill.

Hab. New Georgia (Mr. Macgillivray).

10. *HELIX XANTHOCHILA*, Pfr. (n. 1641 a). *T. oblique perforata, trochiformis, tenuiuscula, sublævigata, alabastrina, nitida, diaphana; spira conica, vertice minuto, fusculo; anfr. 6½, superiores planiusculi, penultimus convexiusculus, ultimus subinflatus, non descendens; columella tumida, vix declivis; apertura diagonalis, lunato-ovalis; perist. luteum, undique late expansum et reflexiusculum, margine columellari subflexuoso.*

Diam. maj. 33, min. 26, alt. 36 mill.

Hab. Salomon Islands.

11. *HELIX GROSSULARIA*, Pfr. (n. 1689 a). *T. angustissime umbilicata, turbinato-depressa, tenuiuscula, striis incrementi confertissimis antrorsum descendentibus decussata, pallide isabellina, maculis carneis subfasciatim dispositis variegata; spira conoidea, vertice subtili; anfr. 4½, modice convexi, ultimus subinflatus, antice breviter descendens; apertura obliqua, sinuato-lunaris; perist. album, marginibus convergentibus, dextro anguste expanso, antrorsum flexuoso, basali reflexo, columellari superne fornicatim dilatato.*

Diam. maj. 18, min. 16, alt. 12 mill.

Hab. New Georgia (Mr. Macgillivray).

12. *HELIX CERAMENSIS*, Pfr. (n. 1879 a). *T. umbilicata, depressa, tenuiuscula, leviter striata, unicolor castanea; spira plana, medio vix immersa; sutura medioeris; anfr. 5½, primi convexi, sequentes convexiusculi, ultimus subdepresso rotundatus, antice descendens, subtus in umbilicium sensim attenuatus; apertura obliqua, dilatata, rotundato-lunaris, intus lilaceo-margaritacea; perist. tenue, expansum, marginibus conniventibus, supero prope insertionem impresso, columellari parum dilatato, patente.*

Diam. maj. 37, min. 29, alt. 14-15 mill.

Hab. Island of Ceram (Mr. Wallace).

13. *HELIX ERINACEUS*, Pfr. (n. 1880 a). *T. mediocriter umbilicata, depressa, tenuis, foveolato-striata pilisque brevibus rigidis obsitu, rufescens; spira plana; anfr. 4½, convexi, ultimus leviter descendens, inflatus, circa umbilicium infundibuliformem compressus; apertura obliqua, rotundato-lunaris, intus marga-*

ritacea; perist. tenue, liliaceo-fuscum, nitidum, expansum, marginibus convergentibus, callo tenui junctis, columellari dilatato.
 Diam. maj. $25\frac{1}{2}$, min. 21, alt. 15 mill.
Hab. New Georgia (*Mr. Macgillivray*).

14. *HELIX MARTENSI*, Pfr. (n. 1886 a). *T. umbilicata, depressa, tenuiuscula, striatula, diaphana, unicolor castanea; spira plana, medio subimmersa; anfr. $4\frac{1}{2}$ convexi, ultimus tumidus, juxta suturam et ad peripheriam obsolete subangulatus, antice descendens, subtus sensim in umbilicum mediocrem attenuatus; apertura fere diagonalis, irregulariter rotundato-lunaris; perist. rubello-albidum, anguste reflexum, marginibus convergentibus, columellari vix dilatato, patente.*

Diam. maj. $18\frac{1}{2}$, min. 16, alt. $7\frac{3}{4}$ mill.

Hab. Island of Ceram (*Mr. Wallace*).

15. *HELIX EUTERPE*, Pfr. (n. 1062 a). *T. subclausa perforata, depressa, solida, conferte radiato-striata striisque spiralibus exilissimis undique subgranulata, sericea, albido-carnea; spira breviter conoidea, obtusula; anfr. 6 vix convexiusculi, regulariter accrescentes, ultimus rotundatus, supra medium obtuse angulatus; apertura fere verticalis, oblique lunaris, intus margaritacea; perist. intus albo-callosum, margine supero brevi, recto, basali reflexiusculo, ad perforationem lente ascendente, vix dilatato.*

Diam. maj. 28, min. 25, alt. 16 mill.

Hab. Siam (*M. Mouhot*).

16. *BULIMUS PORTII*, Pfr. (n. 1 a). *T. imperforata, ovato-conica, solidula, lævigata; spira convexiusculo-conica, apice obtusula; anfr. $5-5\frac{1}{2}$, summi nudi, rubescentes, 2 ultimi præter fascias varias diaphanas olivaceas epidermide hydrophana pallide fuscula saturatius strigata obducti, ultimus spiram subæquans; columella callosa, violaceo-nigricans, superne albo-plicata; apertura obliqua, truncato-auriformis, intus cærulescens; perist. violaceo-nigricans, æqualiter sublata expansum, margine basali cum columella extus angulum prominentem formante.*

Long. 79, diam. 46 mill.

Hab. Polillo Islands (*Mr. Porte*).

17. *BULIMUS COMES*, Pfr. (n. 129 b). *T. dextrorsa vel sinistrorsa, subimperfecta, ovato-conica, solida, striatula, nitida; spira subregulariter conica, acutiuscula; anfr. 7 vix convexiusculi, 5 primi carnei, supremi ad suturam nigro-marginati, 2 ultimi lutei, livido-virescente rarius fasciati, strigati vel nebulosi, ultimus spira paulo brevior, basi rotundatus; columella crassiuscula, subverticalis, alba; apertura parum obliqua, irregulariter semiovalis, basi subangulata, intus alba; perist. patens*

et reflexiusculum, marginibus callo candido intrante junctis, externo arcuato.

Long. 47, diam. 24 mill.

Hab. Camboja.

18. *BULIMUS MOUHOTI*, Pfr. (n. 218 a). *T. sinistrorsa, subperforata, oblongo-conica, tenuis, subtilissime striatula, parum nitens, lutea, strigis viridibus filaribus confertis picta; spira elongato-conica, vertice acutiusculo, rubello; anfr. 7 vix convexiusculi, superi interdum fusco-tessellati, ultimus $\frac{3}{4}$ longitudinis subæquans, medio subangulatus, basi attenuatus, subcompressus; columella parum incrassata, torta, pallide lilacea; apertura obliqua, semiovalis, basi subeffusa; perist. tenue, expansum, lilaceo-roseum.*

Long. 34, diam. 14 mill.

Hab. Siam (*M. Mouhot*).

19. *BULIMUS FLAVUS*, Pfr. (n. 222 a). *T. sinistrorsa, vix perforata, ovato-conica, tenuis, sublævigata, nitidula, unicolor sulphurea; spira conica, vertice albido, acutiusculo; anfr. $6\frac{1}{2}$ convexiusculi, ultimus $\frac{3}{4}$ longitudinis fere æquans, basi tumidus; columella vix inflata, subverticalis; apertura fere diagonalis, obauriformis; perist. tenue, expansum et reflexiusculum.*

Long. 25, diam. 12 mill.

Hab. Siam (*M. Mouhot*).

20. *BULIMUS ZEBRINUS*, Pfr. (n. 222 b). *T. sinistrorsa, subperforata, oblongo-conica, solidula, leviter striata, alba, strigis latiusculis subrectis vel undulatis nigro-fuscis dense picta; spira gracilis, conica, vertice acutiusculo nigro; sutura levis, alba; anfr. $6\frac{1}{2}$, supremi convexi, reliqui convexiusculi, ultimus $\frac{2}{5}$ longitudinis subæquans, basi vix attenuatus; columella subinflata, substrictè recedens; apertura obliqua, semiovalis; perist. simplex, latiuscule expansum, margine columellari fornicatim reflexo.*

Long. 25, diam. $10\frac{1}{2}$ mill.

Hab. Siam (*M. Mouhot*).

21. *BULIMUS AREOLATUS*, Pfr. (n. 222 c). *T. sinistrorsa, subperforata, ovato-conica, tenuis, striatula, nitidula, lutescenti-albida, flammis fuscis, sursum plerumque divisis picta; spira conica, vertice minuto, fusco; sutura submarginata; anfr. $6\frac{1}{2}$ modice convexi, ultimus spira paulo brevior, basi rotundatus, ad columellam area rosea, tum fascia fusca et fascia lutea cinctus; columella subtumida, leviter torta; apertura obliqua, obauriformis; perist. tenue, sublate expansum, margine columellari breviter reflexo.*

Long. 13, diam. 6 mill.

Hab. Siam (*M. Mouhot*).

22. *BULIMUS RHOMBOSTOMUS*, Pfr. (n. 222 d). *T. sinistrorsa,*

anguste umbilicata, ovato-conica, tenuis, subtiliter striata, diaphana, carneo-albida, fuscia unica rufula peripherica, ad suturam ascendente ornata; spira conica, vertice obtusulo; anfr. 6 convexiusculi, ultimus $\frac{1}{3}$ longitudinis subæquans; columella brevis, subverticalis; apertura diagonalis, subrhombea; perist. tenue, marginibus conniventibus, externo superne arcuato, expanso, columellari late patente.

Long. $15\frac{1}{2}$, diam. 11 mill.

Hab. Camboja (*M. Mouhot*).

23. *CLAUSILIA CAMBOJENSIS*, Pfr. (§ 12. n. 130 a). *T. vix rimata, cylindraceo-turrita, solidula, capillaceo-striata, sericea, cornea; spira turrita, apice obtusula; sutura profunda; anfr. 11-12 convexi, ultimus basi rotundatus, obsolete gibbosus; apertura semiovalis; lamellæ fortes, superu marginalis, infera stricte ascendens, sursum furcata; lunella imperfecta, interrupta; plica palatalis 1 supera, 2 inferæ breves supra lunellæ rudimenta; plica subcolumellaris juxta lamellam inferiorem emersa; perist. carneum, expansum et reflexiusculum, margine dextro substricto, sinistro arcuato.*

Long. 30, diam. 6 mill.

Hab. Camboja (*M. Mouhot*).

24. *HELIX GUINARIA*, Pfr. (n. 1860 a). *T. sublata umbilicata, depressula, tenuiuscula, striata et undique granulata, diaphana, rufo-cornea; spira parum elata, vertice obtuso; anfr. 5, juxta suturam turgiduli, ultimus medio obsolete angulatus, antice constrictus et deflexus; apertura perobliqua, fere circularis; perist. simplex, marginibus approximatis, supero expanso, basali reflexo.*

Diam. maj. 14, min. 12, alt. 7 mill.

Hab. Camboja (*M. Mouhot*).

25. *HELIX REPANDA*, Pfr. (n. 1135 a). *T. late umbilicata, subtrochiformis, carinata, solidula, oblique distincte striata, subdiaphana, cornea; spira convexo-conica, vertice minuto; sutura carina subexserta marginata; anfr. 6 convexiusculi, ultimus non descendens, acute striato-carinatus, basi convexior; apertura obliqua, irregulariter rotundato-lunaris, ad dextram angulata; perist. simplex, marginibus subconvergentibus, supero recto, basali repando, reflexo, columellari subverticali, patente.*

Diam. maj. $12\frac{1}{2}$, min. $11\frac{1}{2}$, alt. $8\frac{1}{2}$ mill.

Hab. Camboja (*M. Mouhot*).

26. *LEPTOPOMA MOUHOTI*, Pfr. (n. 19 a). *T. perforata, globoso-turbinata, tenuis, spiraliter conferte striata et liris 6 acutiisculis, quarum infima peripherica, cariniformi, cincta, pallide fulvida, maculis rufulis picta, vel albida, infra carinam fusco-fasciata; spira elata, acutiiscula; anfr. $5\frac{1}{2}$ convexi, ultimus spiram subæquans; apertura obliqua, subcircularis; perist. obsolete duplicatum; internum album, adnatum, externum*

tenuë, patens, acutum, marginibus callo tenui junctis. Operc. tenuissimum, normale.

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

Hab. Camboja (*M. Mouhot*).

27. PUPINA MOUHOTI, Pfr. (n. 8 a). *T. ovato-subacuminata, tenuis, lævigata, pellucida, fusco-cornea; anfr. $5\frac{1}{2}$ convexiusculi, ultimus spiram subæquans, antice vix ascendens; sutura levissime marginata; apertura verticalis, subcircularis; paries aperturalis lamella obliqua, marginem dextrum fere tangente munitus; columella oblique dissecta, processum linguiformem subtriangularem exhibens; perist.reflexiusculum, margine dextro sinuato. Operc. tenuë, concolor.*

Long. 9, diam. 5 mill.

Hab. Camboja (*M. Mouhot*).

May 14th, 1861.

Dr. J. E. Gray, F.R.S., V.P., in the Chair.

The Secretary called the attention of the meeting to several important additions recently made to the Menagerie.

The Hon. James F. Stuart Wortley had presented to the Society, on his recent return from China, thirty-four living specimens of the Three-toed Sand-Grouse of Pallas (*Syrrhaptes paradoxus*), and had given the following answer to a request for particulars concerning his acquaintance with this scarce bird:—

“I fear that I can tell you but little about the Sand-Grouse. The specimens I sent you I bought in the market at Tientsin, where numbers of them were exposed for sale, alive and dead; but whether they were supplied chiefly with a view to the demand caused by the presence of the troops, or whether they naturally form a large article of consumption among the Chinese, I could not say. I rather fancy, however, that the former idea is the correct one. I saw none as far up the country as Pekin; they hardly seemed to range further than Tientsin, but abounded between that place and the mouth of the Peiho. They were always to be seen in large packs, such as you see Grouse in when they get wild in September; and seemed to like being by the side of the river on the mud banks when left dry by the tide.

“On our voyage up to Tientsin in the end of August not a bird was to be seen; and as far as I could learn, they had only just begun to appear at Tientsin when we arrived there, on our return, in the beginning of November. Where they arrived from, or at what time they disappeared again in the spring, I regret to say I never thought of inquiring. Their food must consist of the grain (millet) that covers the whole of that part of China; and I should mention that