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fissirostral family *Buconidæ*, of which I believe the five just described to be hitherto unrecognised. Two of them are to be found in the Derby Museum at Liverpool; of two there are specimens in the British Museum: the only example of the *Malacoptila substriata* I have yet seen is in my own collection.

Four natural genera have been constituted in this family, *Bucco*, *Malacoptila*, *Monasa*, and *Chelidoptera*. For the more debile and passerine form of *Malacoptila*, represented by the *Bucco rubecula*, Spix, and *Lypornix ruficapilla*, Tschudi, I propose the new generic or subgeneric appellation *Nonnula*, type *N. rubecula* (*Bucco rubecula*, Spix, Av. Bras. i. t. 39. fig. 1. p. 51). The members of this section are much inferior in size to the true *Malacoptilæ*.

2. DESCRIPTIONS OF NINETEEN NEW SPECIES OF HELICEA,
FROM THE COLLECTION OF H. CUMING, ESQ.
BY DR. L. PFEIFFER.

1. HELIX GANOMA, Pfr. *H. testa aperta, perforata, turbinato-depressa, solida, sublaevigata, spiraliter indistincte striata, verrucosa, fulva; spira convexo-conoidea, obtusa; sutura impressa, simplice; anfractibus 5, convexiusculis, ultimo inflato, medio subcarinato, infra angulum et circa perforationem late fusco-fusciato, non descendente, basi distincte radiato-striato; apertura obliqua, subangulato-lunata, intus lactea; peristomate recto, obtuso, lilaceo-limbato, margine columellari superne breviter dilatato, repando.*

Diam. maj. 51, min. 43, alt. 26 mill.

Hab. in insula Ceylon rarissima (*F. Layard*).

2. HELIX CONCAVOSPIRA, Pfr. *H. testa subperforata, trochiformi, tenui, vix striatula, sub epidermide fugace, fulvescente alba; spira concavo-conica, apice acutiuscula; sutura submarginata; anfractibus 7, planiusculis, ultimo convexiore, medio acute carinato, antice non descendente, basi convexo; apertura parum obliqua, angulato-lunari; peristomate simplice, recto, margine columellari arcuato, ad perforationem brevissime reflexo.*

Diam. maj. 13½, min. 12, alt. 11 mill.

Hab. in insula Ceylon (*Thwaites*).

3. HELIX HYPHASMA, Pfr. *H. testa vix perforata, trochiformi, tenui, confertim radiato-striata, sulcis remotioribus spiralibus quasi texta, pellucida, corneo-albida; spira subconcavo-conica, acutiuscula; sutura marginata; anfractibus 7½, convexiusculis, ultimo convexiore, compresso-carinato, non descendente, basi convexo, nitido, sublaevigato; apertura obliqua, rhombeo-lunari; peristomate simplice, recto, margine columellari substricto descendente, superne vix dilatato, reflexiusculo.*

Diam. maj. 15, min. 13½, alt. 10½ mill.

Hab. in insula Ceylon (*Thwaites*).

4. **HELIX TRIFILOSA**, Pfr. *H. testa perforata, depresso trochiformi, tenui, radiato-striata, acute carinata, vix nitidula, pallide cerea; spira conoidea, apice hyalina, obtusiuscula; sutura marginata; anfractibus $6\frac{1}{2}$, convexiusculis arcte convolutis, superne carinis 3 filiformibus munitis, ultimo non descendente, basi convexiore, nitido; apertura verticali, depressa, angulato-lunari; peristomate recto, acuto, marginibus remotis, supero brevissimo, basali leviter arcuato, columellari declivi, superne dilatato, reflexo.*

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

Hab. in insula Ceylon (Thwaites).

5. **HELIX POLITISSIMA**, Pfr. *H. testa subaperte perforata, depressa, tenui, politissima, virenti-cornea vel castanea; spira vix elevata, vertice subtili, obtuso; sutura profunda; anfractibus $4\frac{1}{2}$, convexis, sensim accrescentibus, ultimo rotundato, non descendente; apertura parum obliqua, rotundato-lunari; peristomate simplice, recto, marginibus convergentibus, dextro antrorsum subarcuato, columellari arcuatim descendente, superne breviter reflexo.*

Diam. maj. 24, min. 20, alt. 11 mill.

Hab. in insula Ceylon (Thwaites).

6. **HELIX THWAITESI**, Pfr. *H. testa aperte perforata, convexo-depressa, striatula, nitida, cereo-hyalina; spira breviter conoidea, obtusiuscula; sutura profunda, submarginata; anfractibus $6\frac{1}{2}$, convexis, arcte convolutis, ultimo non descendente, basi inflato; apertura verticali, lunari; peristomate recto, acuto, margine columellari arcuatim oblique descendente, ad perforationem vix dilatato.*

Diam. maj. 5, min. $4\frac{1}{3}$, alt. 3 mill.

Hab. in insula Ceylon (Thwaites).

7. **HELIX SUBOPACA**, Pfr. *H. testa semiobtecte perforata, conoideo-depressa, solidula, superne subarcuatim costulata, basi radiato-striata, subopaca, pallide rubello-cornea; spira breviter conoidea; sutura simplice, impressa; anfractibus $6\frac{1}{2}$, vix convexiusculis, ultimo non descendente, basi planiusculo; apertura obliqua, lunari, intus margaritacea; peristomate simplice, recto, margine columellari declivi, subincrassato, ad perforationem triangulatim dilatato.*

Diam. maj. 17, min. $14\frac{1}{2}$, alt. 9 mill.

Hab. in insula Ceylon (Thwaites).

8. **HELIX PARTITA**, Pfr. (= *H. marcida*, Bens.? non Shuttl.) *H. testa perforata, convexo-depressa, solidula, superne confertissime et inæqualiter subarcuato-costulata, sericina, fulvo-cornea; spira magis minusve elevata, vertice subtili, prominulo; sutura levi; anfractibus $5\frac{1}{2}$, convexiusculis, sensim accrescentibus, ultimo vix latiore, non descendente, basi læviusculo, subplanulato; apertura parum obliqua, lunari; peristomate simplice, recto,*

marginibus vix convergentibus, columellari declivi, ad perforationem subincrassato, reflexiusculo.

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

β. major, tenuior, pallide cornea.

Diam. maj. 15, min. 13, alt. $7\frac{2}{3}$ mill.

Hab. in insula Ceylon (*Layard*, *β. Thwaites*).

Differt ab *H. subopaca* sculptura subtiliore, minus regulari, anfractu ultimo minus dilatato, &c.

9. *HELIX FOVEATA*, Pfr. *H. testa sinistrorsa, subumbilicata, depressa, tenui, confertim subacutely striata, et impressionibus radiantibus sculpta, nitida, superne cinnamomea; spira brevissime conoidea, vertice castaneo, elevatiore; anfractibus $5\frac{1}{2}$, sensim accrescentibus, convexiusculis, ultimo albo-carinato, infra carinam subacutam cingulo castaneo notato, basi inflato, circa umbilicum angustissimum pallidiore; apertura obliqua, late lunari; peristomate simplice, recto, margine columellari superne in laminam triangularem reflexo.*

Diam. maj. 39, min. 32, alt. 17 mill.

Hab. in India.

10. *HELIX LACERA*, Pfr. *H. testa imperforata, ovato-globosa, solida, vix striatula, fusca, epidermide lacera, flavo-cinerea, strigata; spira semiglobosa, obtusa; sutura pallide filomarginata, superne plana, tandem profunda; anfractibus $4\frac{1}{2}$, superis vix convexiusculis, 2 ultimis rotundatis, ultimo antice subascendente; apertura obliqua, subtetragono-ovali, intus livida; peristomate breviter expanso et reflexo, margine columellari substricto, plano, dilatato, cum basali angulum formante.*

Diam. maj. 33, min. $27\frac{1}{2}$, alt. 30 mill.

Hab. in insulis Philippinis.

11. *HELIX PURPURASCENS*, Pfr. *H. testa imperforata, subtrochiformi, solida, undique minute granulata, nitidula; spira convexo-conoidea, fulva, apice obtusiuscula; anfractibus 6, lente accrescentibus vix convexiusculis, ultimo convexiore, infra medium subcarinato et albido-cingulato, antice purpurascente, gibbo, breviter descendente, basi subplano; apertura perobliqua, triangulari-lunari, intus margaritacea; peristomate fusco, reflexo, marginibus callo crasso, nitido junctis, columellari substricto.*

Diam. maj. 29, min. 25, alt. $15\frac{1}{2}$ mill.

Hab. in Korea.

12. *HELIX PRÆSTANS*, Pfr. *H. testa imperforata, globoso-depressa, tenuiuscula, striatula, superne castanea, flammulis luteis ornata, basi lutea, irregulariter castaneo-fusciata et tæniata, epidermide parum nitida vestita; spira brevi, obtusa; anfractibus $4\frac{1}{2}$, convexiusculis, ultimo inflato, antice vix descendente; apertura obliqua, rotundato-lunari, intus margaritacea; peristomate livido, breviter expanso et reflexiusculo, mar-*

ginibus vix conniventibus, callo junctis, columellari fornicatim dilatato.

Diam. maj. 53, min. 42, alt. 26 mill.

Hab. in provincia Ocana, Novæ Granadæ (*Schlim*).

13. *HELIX MICROSPIRA*, Pfr. *H. testa imperforata, depresso-globosa, solidula, levissime striatula, nitida, fulvido-flava, ple-rumque fasciis 3 nigris (1 suturali, 1 mediana, 1 columellari) ornata; spira parva, convexa, obtusa, alba vel lilacea; sutura albo-marginata; anfractibus 4, rapide accrescentibus, convexiusculis, ultimo perinflato, non descendente; apertura diagonali, truncato-ovali, intus albida; peristomate late expanso et reflexiusculo, albo, margine columellari plano, fere stricto, basi subdentato.*

Diam. maj. 44, min. 34, alt. 31 mill.

Hab. in iusulis Philippinis.

14. *HELIX DIFFICILIS*, Pfr. *H. testa imperforata, globoso-depressa, tenui, minutissime striata, nitida, pallide fulvescente, ad suturam albam castaneo-fasciata; spira parvula, semiglobosa; anfractibus 4½, convexiusculis, ultimo inflato, ad peripheriam et basiu castaneo-fasciato, non descendente; apertura fere diagonali, tetragono-lunari, intus alba; peristomate subincrassato, breviter reflexo, margine columellari stricto, per dilatato, plano, albo.*

Diam. maj. 42, min. 34, alt. 26 mill.

Hab. in insulis Philippinis.

15. *HELIX CHARPENTIERI*, Pfr. *H. testa umbilicata, discoidea, solidula, oblique costato-striata, parum nitida, virenti-cornea; spira regulari, plana; anfractibus 5½, lente accrescentibus, modice convexis, ultimo rotundato, antice profunde descendente; umbilico lato, conico, subirregulari; apertura fere horizontali, rotundato-lunari, intus albida, prorsus edentula; peristomate albo, undique late expanso et reflexo, marginibus convergentibus, infero ad insertionem attenuato.*

Diam. maj. 27½, min. 22, alt. 9 mill.

Hab. in insula Ceylon (*F. Layard*).

16. *HELIX PROCERA*, Pfr. *H. testa umbilicata, depressa, am-bitu irregulari, subelliptica, solida, minute granulata, unicolore nigro-castanea; spira brevi, obtusa; anfractibus 5, convexiusculis, sensim accrescentibus, ultimo carinato, supra et infra carinam irregulariter anguloso, prope suturam tumido, basi constricto, in umbilico mediocri profunde sulcato, antice perdeflexo; apertura perobliqua, subtetragono-rotundata, dente libero acuto parietis aperturalis coarctata; peristomate crasso, reflexo, marginibus callo albo, sinnato junctis, supero arcuato, basali substricto, dente acuto, conico interposito.*

Diam. maj. 62, min. 49, alt. 27 mill.

Hab. in provincia Antioquia, Columbiae (*Schlim*).

17. **HELIX CONTINUA**, Pfr. *H. testa umbilicata, lenticulari, carinata, solidula, striata et subgranulata, fusca, maculis albidis superne conspersa; spira vix elata, vertice subtili, obtuso; sutura fere lineari; anfractibus 5, planiusculis, ultimo acute carinato, antice inflato et deflexo, basi tumido, pone aperturam constricto, in umbilico mediocri leviter sulcato; apertura perobliqua, lunari, dente libero, compresso parietis aperturulis coarctata; peristomate continuo, albo, calloso, expanso et reflexo, margine basali levissime arcuato.*

Diam. maj. 41, min. 35, alt. 15 mill.

Hab. in provincia Ocana, Columbiae (Schlim).

18. **BULIMUS VICTOR**, Pfr. *B. testa imperforata, fusiformi-ovata, solidula, leviter striata, non nitente, fasciis flavido-albis, spadiceo tessellatis, fasciisque latioribus virenti-fuscis, albido-strigatis picta; spira conica, apice obtusiuscula; anfractibus 5, superis parum convexis, ultimo $\frac{3}{5}$ longitudinis æquante, convexiore basi attenuato; columella leviter arcuata, alba; apertura obliqua, oblongo-ovali, intus margaritacea; peristomate rubro, incrassato, breviter reflexo, marginibus callo saturate violaceo junctis.*

Long. 65, diam. 29 mill.

Hab. in provincia Antioquia, Columbiae (Schlim).

19. **SPIRAXIS PARADOXA**, Pfr. *Sp. testa turrata, solida, distincte et confertim granulata, nigro-fusca; spira elongata, superne conum acutiusculum formante; anfractibus 8, convexis, supremis remote costatis, ultimo $\frac{2}{7}$ longitudinis subæquante, infra medium angulato, levigato; apertura parum obliqua, subrhombea, intus cærulescente; columella callosa, alba, torta, basi subtruncata; peristomate recto, acuto.*

Long. 46, diam. 16 mill.

Hab. in insula Kauai, Sandwich, rarissima (Newcomb).

3. DESCRIPTIONS OF SEVENTY-NINE NEW SPECIES OF ACHATINELLA, SWAINS., A GENUS OF PULMONIFEROUS MOLLUSKS, IN THE COLLECTION OF HUGH CUMING, ESQ. BY W. NEWCOMB, M.D., CORR. MEMB. LYC. NAT. HIST. NEW YORK, NAT. HIST. SOC. MONTREAL.

(Mollusca, Pl. XXII. XXIII. XXIV.)

ACHATINELLA.

It will be necessary to slightly change the definition of this genus, that several species clearly belonging under this head may not be excluded. It will be seen that several new typical species are herein described, one of which, *A. crassa*, makes a near approach to *Partula*; but an examination of the animal proves conclusively that it belongs to the genus *Achatinella*. Several species are subumbili-