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simo punctulis confertissimis brunneis transversim virgato, et liris remotis intus dentato: columella subaurantia, haud granosa, juxta aperturam albam transversim lyrata, maculis angularibus brunneis variegata.

Long. $1\frac{7}{12}$, lat. $1\frac{1}{4}$ poll.

Hab. —?

Mus. Cuming.

Resembles a *Cypræcassis*. The sculpture is very coarse, and the lip extends up the penult whorl, so as to be nearly on a level with the apex.

4. DESCRIPTIONS OF TEN NEW SPECIES OF BULIMUS, FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. L. PFEIFFER.

(Mollusca, Pl. XLII. fig. 1-8.)

1. BULIMUS PTYCHOSTYLUS, Pfr. (fig. 7). *T. rimato-umbilicata, fusiformi-oblonga, solida, sublævigata (sub lente irregulariter impressa); spira convexiusculo-turrata, apice obtusula; anfr. 7 convexiusculi, superiores albidi, fulvo rure strigati, ultimus spira brevior, spadiceus, albido-strigatus et maculatus, basi attenuatus; columella fortiter torto-plicata; apertura subverticalis, auriformis, intus nigricanti-limbata; perist. simplex, albidum, marginibus approximatis, dextro late expanso columellari per dilatato, patente.*

Long. 47, diam. 15 mill.

Hab. Province of Patas, Andes of Peru (Dr. Farris).

2. BULIMUS CATAMARCANUS, Pfr. (fig. 5). *T. profunde umbilicata, ovato-conica, solidula, irregulariter plicata et undique minute granulata, non nitens, albida; spira conica, obtusula; anfr. 6 convexi, ultimus spiram superans, antice ascendens, basi rotundatus; columella profunde et obsolete plicata; apertura verticalis, oblongo-ovalis; perist. simplex, marginibus approximatis, dextro ab insertione horizontaliter abeunte, late expanso; columellari per dilatato, fornicato.*

Long. 42, diam. 23 mill.

Hab. Province of Catamarca, Andes of Peru (Mr. Williams).

3. BULIMUS PLATYSTOMUS, Pfr. (fig. 2). *T. profunde umbilicata, oblongo-conica, solida, oblique striata, fulvo-albida, strigis irregularibus castaneis et fulvis picta; spira conica, apice subtruncata; anfr. $6\frac{1}{2}$ convexiusculi, ultimus spiram subæquans, antice leviter ascendens, basi compresso-rotundatus; columella fusco-violacea, profunde subplicata; apertura vix obliqua, intus ovalis, fulvida; perist. simplex, saturate fusco-violaceum, marginibus approximatis, dextro late expanso, columellari per dilatato, patente.*

Long. 40, diam. 18 mill.

Hab. Province of Patas, Andes of Peru (Dr. Farris).

4. *BULIMUS PATASENSIS*, Pfr. (fig. 6). *T. profunde rimato-umbilicata, ovato-conica, solidula, subargute striatu, parum nitens, carneo-albida, sæpe spadiceo strigata et nebulosa; spira convexiusculo-conica, apice subacuta; anfr. 7, superi subplani, pænultimus convexior, ultimus spiram superans, antice leviter ascendens, basi rotundatus, juxta umbilicum subcompressus; columella fusco-violacea, profunde subplicata; apertura vix obliqua, oculis, intus late violaceo-limbata; perist. simplex, margine dextro breviter expanso, columellari per dilatato, patente.*

Long. 47, diam. 24 mill.

β. *Testa tenuiore, saturate carnea, sæpe strigis obliquis fulvis picta.*
Hab. Province of Patas, Andes of Peru (Dr. Farris).

5. *BULIMUS CÆRULESCENS*, Pfr. *T. umbilicata, ovato-oblonga, solidula, striata, cærulescenti-albida; spira elongata, apice acuta; anfr. 7½ convexiusculi, ultimus spira brevior, antice saturatus cærulescens, basi parum attenuatus, subcompressus; columella superne profunde dentato-plicata; apertura subverticalis oblonga, intus atro-fusca; perist. atro-fuscum, margine dextro breviter expanso, columellari libero, non reflexo.*

Long. 31, diam. 12½ mill.

Hab. Province of Patas, Andes of Peru (Dr. Farris).

6. *BULIMUS BINNEYANUS*, Pfr. (fig. 4). *T. umbilicata; ovato-conica, solida, conferte striata, opaca, cretacea, interdum radiis fuscis fasciatim interruptis picta; spira conica, apice acutiuscula; anfr. 5½ subplani, exserte carinati, ultimus non descendens, spiram æquans, infra carinam acutam turgidus, circa umbilicum infundibuliformem pervium vix compressus; apertura obliqua, irregulariter rhombea, fundo fuscula; perist. simplex, acutum, sordide purpurascens, margine dextro expanso, columellari late patente.*

Long. 26, diam. 19 mill.

Hab. Province of Patas, Andes of Peru (Dr. Farris).

7. *BULIMUS WILLIAMSI*, Pfr. (fig. 1). *T. imperforata, subulata, solidula, striatula, alba, strigis saturate castaneis, deorsum saturatioribus et crebrioribus picta; spira turrata, apice obtusula; anfr. 8 planiusculi, ultimus ⅓ longitudinis non attingens, basi compressus; apertura vix obliqua, oblonga; perist. simplex, rectum, marginibus subparallelis, columellari tenui, adnato.*

Long. 24, diam. 6½ mill.

Hab. Province of Catamarca, Andes of Peru (Mr. Williams).

8. *BULIMUS VESPERTINUS*, Pfr. (fig. 3). *T. subperforata, oblongo-fusiformis, tenuiuscula, irregulariter (interdum levissime) striata, nitidula, albido-rosea, strigis spadiceis, irregulariter albo-adspersis, ornata; spira conica, apice acutiuscula, nigricans; anfr. 6½-7 convexiusculi, ultimus spiram paulo superans, basi attenuatus, croceus; columella filaris, subrecedens; apertura vix obliqua,*

acuminato-oblonga, intus rubra, strigata, nitida; perist. simplex, rectum, margine columellari sursum sensim dilatato, subappresso.

Long. 36, diam. 14 mill.

Hab. Province of Patas, Andes of Peru (*Dr. Farris*).

9. *BULIMUS FARRISI*, Pfr. (fig. 8). *T. anguste umbilicata, fusiformi-turrita, solidula, longitudinaliter subremote pliculata et conferte striolata, striis spiralibus levibus decussatula, albida vel rosea, plerumque strigis et maculis pellucidibus fuscis vel rubris signata; spira elongato-conica, apice acutiuscula, crocea; anfr. $6\frac{1}{2}$ -7 planiusculi, ultimus spiram subæquans, vix ventrosior, basi attenuatus; columella superne levissime plicata; apertura parva obliqua, acuminata, oblongo-ovalis, intus fusco-crocea; perist. simplex, rectum, margine columellari superne dilatato, fornicatim reflexo.*

Long. 47, diam. 16 mill.

Hab. Province of Patas, Andes of Peru (*Dr. Farris*).

10. *BULIMUS CLATHRATUS*, Pfr. *T. compresse umbilicata, fusiformi-oblonga, tenuiuscula, plicatula, parum nitens, albida, strigis et fasciis angustis interruptis fuscis subclathrata; spira elongata, apice acutiuscula; anfr. 8 parum convexi, ultimus $\frac{2}{3}$ longitudinis vix superans, basi compressus; apertura vix obliqua, subrhombeo-ovalis; columella medio leviter torta; perist. simplex, rectum, margine columellari a basi dilatato, superne late patente.*

Long. 30, diam. 11 mill.

Hab. Province of Patas, Andes of Peru (*Dr. Farris*).

5. ADDITIONAL OBSERVATIONS ON THE GENUS *FURCELLA*.

BY DR. J. E. GRAY, F.R.S., ETC.

Sir Everard Home figured, as I stated in my former paper, the fragment of the vaulted continuation of the tube that closes its lower ends, for the shelly valves of the animal. Considering this as an accidental mistake, I took no further notice of it. An eminent comparative anatomist having observed,—“In the great *Teredo arenaria*, which lives in soft mud, the valves are wanting, according to Dr. Gray, or their homologues form the convex cap closing the periodical growths of the calcareous tubes” (“Mollusca,” in *Ency. Britan.* 353), I feel it incumbent on me to show the reasons why I cannot consider the “convex caps” closing the calcareous tube to be the homologues of the true valves, which, in my paper, I have said are entirely absent.

First. The caps have the structure, and are continuations of the tube, and have no relation to the usual valves of the *Teredo* in their form or structure.

Secondly. The convex caps here referred to are evidently identical in structure and formation with the convex cap that is found on the end



1 *Paludina Williamsi* Fr. 2 *B. platyterus* Fr. 3 *B. vesperina* Fr. 4 *B. Bioti* Fr. 5
Paludina Williamsi Fr. 6 *Paludina Williamsi* Fr. 7 *B. psychostyla* Fr. 8 *B. Farai* Fr. 9 *B. Cuvieri* Fr. 10 *B. Williamsi* Fr.