

# PROCEEDINGS

OF THE

SCIENTIFIC MEETINGS

OF THE

# ZOOLOGICAL SOCIETY

## OF LONDON

FOR THE YEAR

# 1862.



PRINTED FOR THE SOCIETY,  
AND SOLD AT THEIR HOUSE IN HANOVER SQUARE.

LONDON :  
MESSRS. LONGMAN, GREEN, LONGMANS, AND ROBERTS,  
PATERNOSTER ROW.

PARIS :  
M. J. ROTHSCHILD,  
14, RUE DE BUCY.

LEIPZIG :  
M. J. ROTHSCHILD,  
2, QUERSTRASSE.

## 6. TETRARHYNCHUS QUADRIPAPILLOSUS, Baird.

Head of considerable size; bothria large, rotundate-oval. Neck long, slender, terminating in an enlarged body enclosed in a sheath, which gives off at its lower part four papillæ disposed in such a manner as to interlock with each other and form a terminating conical point.

Length of whole animal about  $3\frac{1}{4}$  lines.

*Hab.* Taken from the liver of *Alepocephalus*, sp., at Madeira. (*Mus. Brit.*)

For these three species of *Tetrarhynchus* I am indebted to J. Yate Johnson, Esq., C. M. Z. S.

## 7. BOTHRIOCEPHALUS (TETRABOTHRIUM) JUNCEUS, Baird.

Bothria four, attached to the head by their face, large and somewhat auriculiform. Head elliptical. Neck slender; first segments very fine, gradually becoming broader, but in no part exceeding half a line in breadth. Apertures of genital organs unilateral.

Length upwards of  $4\frac{1}{2}$  inches; breadth of neck  $\frac{1}{10}$ th of a line; broadest segments about  $\frac{1}{2}$  a line.

*Hab.* Intestines of the King-Vulture (*Sarcorhamphus papa*). (*Mus. Brit.*)

For this species I am indebted to Mr. E. Gerrard.

## 4. DESCRIPTIONS OF EIGHT NEW SPECIES OF CYCLOSTOMACEA, FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. L. PFEIFFER.

(Plate XII.)

1. RHIOSTOMA HAINESI, Pfr. (Pl. XII. fig. 8). *T. late umbilicata, depressa, solida, distincte et conferte striata, sub epidermide obscura fuscula, flammulis angustis castaneis variegata; spira parum elevata, vertice minuto, corneo; anfr. 5, depresso-rotundati, ultimus infra peripheriam castaneo unifasciatus, antice longe solutus et deflexus, a sutura ad tubulum longe recurvatum carinatus, ante tubulum introrsum apertus, extus leviter incisus; apertura obliqua, circularis; perist. subduplicatum, album, margine sinistro incrassato, dextro expanso, plano, patente. Operc. cyathiforme, extus planum, anguste spiratum, marginibus anfractuum elevatis, membranosis.*

Diam. maj. 35, min. 25, alt. 12-14 mill. Ap. diam. 11-12 mill.

*Hab.* Camboja (*M. Mouhot*).

2. RHIOSTOMA SIMPLICILABRE, Pfr. (Pl. XII. fig. 7). *T. late umbilicata, depressa, solidula, leviter et confertissime striatula, sub epidermide nitida lutescens, elegantissime et subtiliter castaneo flammulata; spira breviter conoidea, vertice minuto, obtusiusculo; anfr. 5, depresso-rotundati, ultimus infra peripheriam castaneo unifasciatus, antice longe solutus et deflexus, a sutura usque ad tubulum recurvatum carinatus; apertura diagonalis, subcircularis, intus cærulescenti-margaritacea;*

*perist. simplex, tenue, ante tubulum leviter incisum, undique vix expansiusculum. Operc. præcedentis, angustius spiratum.*  
 Diam. maj.  $27\frac{1}{2}$ , min.  $19\frac{1}{2}$ , alt. 10 mill. Ap. diam.  $8\frac{2}{3}$  mill.  
*Hab.* Camboja (*M. Mouhot*).

3. *CYCLOTUS TRAILLI*, Pfr. (Pl. XII. fig. 4). *T. sublata umbilicata, depresso-turbinata, solidula, liris confertis, subtus minoribus sculpta, carneo-albida, fusculo variegata et fascia 1 rufa infraperipherica notata; spira breviter turbinata, acutiuscula; anfr.  $4\frac{1}{2}$ , convexi, celeriter accrescentes, juxta suturam lævigati, ultimus teres, antice vix descendens; apertura obliqua, subangulato-circularis; perist. tenue, vix expansiusculum, ad anfr. contiguum subinterruptum. Operc. Cycloti subdiscoidei.*  
 Diam. maj. 14, min. 12, alt.  $10\frac{1}{2}$  mill.  
*Hab.* Russel-Canda, Madras (*Dr. Traill*).

4. *CYCLOPHORUS SATURNUS*, Pfr. (Pl. XII. fig. 6). *T. late umbilicata, depresso-turbinata, solida, oblique striata et sub lente minutissime granulata, albida, fasciis et taniis variis rufo-fuscis ornata; spira breviter turbinata, vertice minuto, acutiusculo; anfr.  $5\frac{1}{2}$ , rapide accrescentes, convexi, ultimus rotundatus, juxta umbilicum albus; apertura obliqua, subcircularis, intus flavescenti-albida; perist. albidum, latissimum, breviter adnatum, latere dextro fortiter revoluto, sinistro leviter retrorsum fornicato, patente. Operc. sub-6-spiratum, saturate rufum.*  
 Diam. maj. 63, min. 51, alt. 32 mill. Apert. alt. 26, cum. perist. 38 mill.  
*Hab.* Camboja (*M. Mouhot*).

5. *LEPTOPOMA PORTEI*, Pfr. (Pl. XII. fig. 5). *T. perforata, globoso-conica, tenuis, spiraliter conferte striata et liris sub 6 distantibus subacutis cincta, albida, haud nitens, strigis fulguratis fuscis picta; spira turbinata, acuta; anfr. 6, convexi, ultimus inflatus, infra medium fascia alba et altera fuscula signatus, circa umbilicum albus; apertura parum obliqua, subcircularis, intus albida fusco marmorata; perist. duplex, ad anfractum contiguum haud interruptum, internum expansiusculum vix prominens, externum latere dextro late expansum et patens, sinistro angustissimum.*  
 Diam. maj.  $18\frac{1}{2}$ , min. 15, alt. 14 mill.  
*Hab.* Polillo Islands (*Mr. Porte*).

6. *CATAULUS RECURVATUS*, Pfr. (Pl. XII. fig. 2). *T. breviter et profunde rimata, ovato-turrita, solida, distincte subarcuato-striata, virenti-fulva; spira regulariter attenuata; sutura profunda, simplex; anfr. 7; summi rubescentes, 3 ultimi convexi, ultimus antice subascendens, basi carina compressa antice dilatata munitus; periomphalum angustum, costulato-striatum; apertura subcircularis, ad basin interrupta et canali perlato*



G B Seworby lith

W West imp

- |                                   |                                  |                                     |
|-----------------------------------|----------------------------------|-------------------------------------|
| 1. <i>Callia wallacea</i>         | 4. <i>Cyclotus trailli</i> .     | 7. <i>Rhiostoma simplicilabre</i> . |
| 2. <i>Catantulus recurvatus</i> . | 5. <i>Leptopoma portei</i> .     | 8. D <sup>o</sup> <i>hainesi</i> .  |
| 3. <i>Helix utamere</i>           | 6. <i>Cyclophorus saturnus</i> . | 9. D <sup>o</sup> <i>hainesi</i> .  |

*aucta*; *perist. duplex, internum porrectum, basi fissum, externum patens et reflexum, parte canalem formante recurvata.*

Long. 23, diam. 10 mill.

*Hab.* In sylva "Annamallay," ad radicem montium Nilgiri corum.

7. *CALLIA WALLACEI*, Pfr. (Pl. XII. fig. 1). *T. irregulariter pupæformis, solidula, lævigatissima, callo nitido obducta, fulvo-carnea vel albida; spira irregularis, apice brevissime conoidea; sutura indistincta; anfr. sub  $4\frac{1}{2}$ , summi vix conspicui, 2 ultimi antrosum deviantes; apertura subcircularis, integra; perist. rectum, leviter incrassatum, ad parietem aperturalem adnatum, parte columellari subinflata.*

Long. 5, lat. 3 mill. Ap. diam.  $\frac{1}{2}$  mill.

*Hab.* In insula Ceram (Mr. Wallace).

8. *HYDROCENA (OMPHALOTROPIS) CERAMENSIS*, Pfr. *T. subperforata, ovato-conica, tenuiuscula, lævigata, nitida, unicolor fulvida vel cingulo albido ornata; spira conica, acuta; sutura marginata; anfr. 7, vix convexiusculi, ultimus periphæria leviter filocarinatus, crista basali forti munitus; apertura parum obliqua, angulato-ovalis; perist. simplex, expansiusculum, marginibus distantibus, interdum callo tenuissimo junctis, sinistro flexuoso, medio subdilato.*

Long. 8, diam. 4 mill.

*Hab.* In insula Ceram (Mr. Wallace).

## 5. DESCRIPTION OF A NEW SPECIES OF HELIX (NANINA).

BY DR. L. PFEIFFER.

(Plate XII.)

*HELIX TITANICA*, Pfr. (Pl. XII. fig. 3). *T. angustissime umbilicata, conoideo-depressa, solidula, lineis impressis spiralibus et irregularibus obliquis sculpta, sub epidermide pallide viridilutescente albida; spira conoideo-convexa, vertice minuto, obtuso; anfr.  $5\frac{1}{2}$ , vix convexiusculi, priores subcarnei, ultimus non descendens, ad suturam crenulatus, medio obtuse carinatus et fascia latiuscula spadicea deorsum diluta notatus, subtus inflatus; apertura obliqua, ovali-lunaris; perist. rectum, marginibus distantibus, columellari vix incrassato, ad insertionem in laminam brevem triangularem revoluto.*

Diam. maj. 68, min. 57, alt. 38 mill.

*Hab.* Anamallay Forest, at the foot of the Neilgherries (Mus. Cuming).

### EXPLANATION OF PLATE XII.

Fig. 1. *Callia wallacei*, p. 117.

2. *Cataulus recurvatus*, p. 116.

3. *Helix titanica*, p. 117.

4. *Cyclotus trailli*, p. 116.

5. *Leptopoma portei*, p. 116.

6. *Cyclophorus saturnus*, p. 116.

Fig. 7. *Rhiostoma simplicilabre*, p. 115.

8. *Rhiostoma hainesi*, p. 115.

9. *Rhiostoma housei*, Haines, Ann. Lyc. N. Y. vi. p. 157 (for comparison with *R. hainesi*).