

PROCEEDINGS

OF THE

SCIENTIFIC MEETINGS

OF THE

ZOOLOGICAL SOCIETY

OF LONDON

FOR THE YEAR

1864.



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PARIS :

M. J. ROTHSCHILD,
43, RUE SAINT ANDRÉ DES ARTS.

LEIPZIG :

M. J. ROTHSCHILD,
34, QUERSTRASSE.

lineis seu undis incrementi conspicuis : intus dente cardinali uno, parvo, extante ; callositate claviculoidea antica, margini contigua ; fossa cartilaginea postice sita ; cicatricibus adductorum rotundutis, margini dorsali contiguis ; linea pallii simplici.

Long. .8, lat. .4, alt. .12 poll.

Hab. in sinu Pugetiano (*Kennerley*).

2. KENNERLIA BICARINATA, n. s.

K. t. “*K. filosa*” *simili, sed haud rostrata ; postice latiore ; carinis in valva convexa duabus, in valvu planata una, ex umbo-nibus postice decurrentibus ; lamina prismatica radiatim sulcata, haud spongiosa ; valva convexa tenuiter indentata ; ligamento elongato, tenuissimo.*

Long. .5, lat. .25, alt. .06 poll.

Hab. in insula Catalina, Californiae ; 40–60 uln., rara (*Dr. J. G. Cooper*. State Geological Survey Coll. no. 1063 ; Mus. Smithsonian Inst.).

The shape and keels at once distinguish this beautiful little species from its Northern ally, with which, in the hinge and threading of the outer layer, it exactly agrees. The ligament in both species is extremely thin, holding the valves together from the umbo to the posterior end. The fossil *Pandora bilirata*, Conr., may prove identical with this recent species ; but the diagnosis, figure, and type specimen are so imperfect that it would be too hazardous to affiliate them.

3. KENNERLIA GLACIALIS, Leach (*Pandora gl.*), Sby. Sp. Conch. f. 4, 5, 6 ; Hanl. Rec. Shells, p. 49 (diagn. auct.).

. . . valva dextra callo conspicuo fossam cartilagineam firmante ; ossiculo fortiore.

The known species of *Kennerlia* are thus confined to the North Pacific and the Arctic seas. The diagnosis of No. 1 belongs to a paper on Dr. Kennerley's new species in the Journ. Ac. N. S. Philad. ; and that of No. 2 to a series of papers on Dr. Cooper's new species in the Proc. Calif. Ac. N. S. They are inserted here to complete the monograph, as far as known to the writer. The “*Pandora striata*, Quoy” (Add. Gen. ii. p. 371), is a *Myodora*. The latter genus is so well defined that no alteration is proposed in it.

4. DESCRIPTIONS OF SEVEN NEW SPECIES OF LAND SHELLS, FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. L. PFEIFFER.

1. *HELIX PEASEANA*, Pfr. (172 c). *T. perforata, turbinata, solidula, irregulariter striata, et striolis antrorsum descendentes confertissimis sculpta, vix nitidula, fusculo-carnea, maculis et punctis corneis irregulariter notata et fascia unica supra-*

peripherica obsoleta ornata; spira regulariter conoidea, apice obtusula; anfr. fere 6, vix convexiusculi, sensim accrescentes, ultimus subangulatus, non descendens, subtus convexior; apertura fere diagonalis, subungulato-lunaris, intus submargaritacea; perist. simplex, rectum, marginibus vix conniventibus, columellari juxta perforationem breviter fornicato-reflexo.

Diam. maj. 37, min. 32, alt. 23 mill.

Hab. in insula Timor.

2. *HELIX ZONELLA*, Pfr. (1106 a). *T. subanguste umbilicata, depressa, solidula, conferte ruguloso-striata, pallide fuscula, zona mediana albida (sæpe rufo marginata) cincta; spira convexa, parum elata; anfr. 5½, convexiusculi, ultimus rotundatus, antice vix descendens; apertura obliqua, lunato-rotundata, intus margaritacea; perist. simplex, marginibus convergentibus, supero recto, basali breviter reflexo, ad insertionem dilatato.*

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

Hab. in White Mountains, 6500', insulæ Cretæ (Capt. Spratt).

3. *CLAUSILIA GLABELLA*, Pfr. (82 a). *T. arcuato-rimata, fusiformis, gracilis, interdum ventrosior, solida, sublævigata, irregulariter striatula, nitidula, alba, locis detritis cornea; spira elongata, apice luteo-cornea, acuta; anfr. 13-14, vix convexiusculi, ultimus subsolutus, antice rugoso-costatus, basi obtuse bicristatus; apertura parum obliqua, piriformis, intus carnea; lamella supera minuta, infera subverticaliter ascendens; lunella et plica columellaris inconspicuæ; plica palatalis 1, supera, mediocris; perist. continuum, subæqualiter expansum et reflexiusculum.*

Long. (formæ typicæ) 20, diam. 4 mill.

Hab. in White Mountains, 5000', insulæ Cretæ (Spratt).

4. *CLAUSILIA EXTENSA*, Pfr. (94 a). *T. subarcuato-rimata, fusiformi-subulata, solida, cretacea, opaca, costulis subrectis confertis munita; spira perelongata, apice acutiuscula, nigra; sutura levissima, costulis subcrenulata; anfr. 15-16, apicales convexi, reliqui planiusculi, ultimus breviter solutus, antice costis validioribus, distantioribus, hinc inde confluentibus, basi crista brevi munitus; apertura parum obliqua, oblonga; lamellæ tenues, approximatae; lunella et plica subcolumellaris inconspicuæ; plica palatalis unica; perist. continuum, album, undique expansum et reflexiusculum.*

Long. 28, diam. 4½ mill.

Hab. in Sitra insulæ Cretæ (Spratt).

5. *CLAUSILIA TENUICOSTATA*, Pfr. (100 b). *T. arcuato-rimata, fusiformis, solidula, costis tenuibus subarcuatis sculpta, cretacea; spira a medio attenuata, apice cornea, acutiuscula; anfr. 11-12, subplani, ultimus vix solutus, antice validius costatus, basi subbicristatus; apertura vix obliqua, piriformi-oblonga, intus fuscula; lamella supera filaris, infera fortior,*

oblique ascendens; lunella et plica subcolumellaris inconspicua; plica palatalis 1, profunda; perist. continuum, tenue, undique breviter expansum.

Long. 15, diam. $3\frac{2}{3}$ mill.

Hab. in Mirabello et Selino insulæ Cretæ, necnon in insula Gardos prope Cretam (*Spratt*).

6. *CLAUSILIA RUDIS*, Pfr. (108 a). *T. arcuato-rimata, ventroso-fusiformis, solida, costulis subconfertis lamellaribus munita, opaca, sordide albida; spira infra medium turgida, sursum valde attenuata, apice acutiuscula; anfr. 11, convexi, ultimus vix solutus, costis validis, distantibus, irregularibus sculptus; apertura vix obliqua, piriformi-ovalis; lamellæ subæquales, convergentes; lunella et plica subcolumellaris inconspicua; plica palatalis 1, supera, mediocris; perist. continuum, album, sublate expansum.*

Long. 17, diam. max. fere 5 mill.

Hab. Zakro in parte orientali insulæ Cretæ (*Spratt*).

7. *CLAUSILIA DISTANS*, Pfr. (113 a). *T. rimata, elongato-fusiformis, solidula, costis lamellaribus subdistantibus sculpta, in interstitiis sub lente confertissime striata, cretacea; spira perelongata, gracilis, apice acuta, cornea; anfr. 13-15, vix convexiusculi, ultimus breviter solutus, costis validioribus basi in cristam indistinctam confluentibus munitus; apertura vix obliqua, oblonga, intus alba; lamellæ approximatae; lunella et plica subcolumellaris inconspicua; plicæ palatales 2, supera longa, infera brevis, profunda; perist. album, latiuscule expansum.*

Long. 20-24, diam. $3\frac{3}{4}$ -4 mill.

Hab. Sudsuro in parte meridionali insulæ Cretæ (*Spratt*).

5. DESCRIPTIONS OF SEVEN NEW SPECIES OF BIRDS DISCOVERED BY THE LATE DR. JOHN NATTERER IN BRAZIL. BY P. L. SCLATER, M.A., PH.D., F.R.S., SECRETARY TO THE SOCIETY.

(Plates XXXVII., XXXVIII., XXXIX.)

During a recent visit to Vienna I had the pleasure of spending a few days in examining the collections of birds and other animals belonging to the Imperial Zoological Cabinet in that city, wherein I may state that I received the utmost facilities from Dr. Redtenbacher (the Director), Herr August von Pelzeln (who has charge of the collection of birds), and the other authorities of that establishment.

The Director of the Imperial Cabinet, moreover, was so obliging as to allow me to acquire in exchange a certain number of duplicate bird-skins from the Imperial Collection, belonging principally to spe-