

these four whales were of one species. Certainly the Nybster whale was not *Physalus antiquorum*, therefore *P. antiquorum* is not alone in exceeding 60 feet in length, a dimension supposed to be confined to that species.

The fin-whales of Orkney and Caithness, every season observed in pursuit of herrings, would seem in all probability to be of the species of which you have received portions. They are not *P. boops*, for three out of four specimens captured (and the fourth was not killed) agree with each other, and differ from *P. boops* in the upper and lower lateral processes of the second cervical vertebra being united, leaving a subcentral foramen.

They will no doubt prove to be of a new species, though unexamined individuals may have doubtless come ashore in Orkney over and over again.

3. DESCRIPTIONS OF SHELLS FROM THE GULF OF CALIFORNIA, AND THE PACIFIC COASTS OF MEXICO AND CALIFORNIA. PART II. BY A. A. GOULD, M.D., AND PHILIP P. CANTONER.

Dr. Gould, the well-known author of the Rep. Invert. Mass. and the U. S. Exp. Shells, having most obligingly sent over the whole of his collections from the Pacific shores of N. America, in order to furnish materials for my Report to the British Association, there have appeared among them several shells not to be identified with recorded species. Of some of these Dr. Gould enclosed names and diagnoses. For the remainder of the following paper I am alone responsible. Most of the new species in this collection were described by Dr. Gould in the Proceedings of the Boston N. H. Society; and have been published in a separate form with three plates. I have therefore regarded this communication as a supplement to that paper, and have adopted the same title. The references apply to it, unless otherwise expressed.

P. P. C.

Bristol, June 21st, 1856.

1. PHOLADIDEA OVOIDEA, Gould.

Pholas ovoidea, Mex. & Cal. Shells, pt. 1. p. 15. pl. 15. f. 1.
Hab. San Diego (*Lieut. Green*). Mus. Gould.

2. PETRICOLA ROBUSTA, Sow.

Petricola bulbosa, Gould, p. 16. pl. 15. f. 5; B.M. Mazatlan Cat. p. 17. no. 24.

3. CORBULA POLYCHROMA, n. s.

C. t. gibbosa, transversa, solida; postice angulata, carinulis duabus, altera ad marginem ventralem, altera juxta cicatr. musc. adentibus; sub superficiem externam concentricè sulca-

tam, griseam, aurantia, purpureo radiata; intus purpurea, dent. card. obtusis, cicatr. musc. distinctis, sinu pallii minimo.

Long. .37, lat. .53, alt. .27.

Hab. In Sinu Californiensi (*Lieut. Shipley* in Mus. Cuming); Sta. Barbara (*Col. Jewett* in Mus. Gould).

Of the general appearance of *C. bicarinata*, but much less gibbous, less angulated, and highly coloured. It resembles, but appears distinct from, one of the Claiborne fossils in Mr. Nuttall's collection. Col. Jewett's specimens were all dead valves.

4. LYONSIA NITIDA, Gould.

Osteodesma nitidum, Gould, p. 17. pl. 15. f. 6=(probably) *Lyonisia Californica*, Conr. jun.

Hab. Sta. Barbara (*Lieut. Green*). Mus. Gould.

5. SEMELE FLAVESCENS, Gould.

Amphidesma flavescens, Gould, p. 19.

Semele proxima, B. M. Maz. Cat. p. 28. no. 40. Mus. Cum. pars, non C. B. Adams nec Mus. Cum. pars.

The Mazatlan species was identified from the supposed types in the Cumingian collection. On finding Dr. Gould's shell identical, it appeared extraordinary that he should have re-described one of Prof. Adams' species. In another drawer of Mr. Cuming's cabinet, however, appeared another shell, also named *Semele proxima*, C. B. Ad., which is probably the real type. It is larger and more pointed at the beaks than the present species. Several of the described species of *Semele* are extremely similar. So long, however, as they are kept distinct, the Mazatlan shells must rank under the present name, and not under that of Prof. Adams, under which they have been freely distributed.

6. SANGUINOLARIA MINIATA, Gould.

Tellina miniata, Gould, Proc. B. N. H. S. Nov. 1851; Mex. &c., p. 24. pl. 16. f. 1.

Sanguinolaria purpurea, Desh. P. Z. S. 1854, p. 346. no. 137; B. M. Maz. Cat. p. 31. no. 46.

Hab. San Juan (*Lieut. Green*).

Although I have not seen the type of Dr. Gould's shell, there can hardly be a doubt that it is the same as that of Desh., and therefore has priority over the name adopted in the B.M. Cat. While the earlier sheets of that work were passing through the press, I had only the advantage of Dr. Gould's plates, without print or dates. A more rapid intercommunication of materials between naturalists in different countries is greatly to be desired.

7. TELLINA TERSA, Gould, p. 25. pl. 16. f. 2.

Hab. Panama (*Jewett*). Mus. Gould.

8. TELLINA PURA, Gould, p. 25. pl. 16. f. 3.

Hab. Panama (*Jewett*). Mus. Gould.

anfr. ii.; apertura subquadrata, sinu minimo, labio haud expanso; operculo subplanato, nucleo mucronato, anfr. plurimis indistinctis, fusco, ad marginem tenuissimum diaphano.

Long. .8, long. spir. .57, lat. .33, div. 20°.

Hab. San Diego; legit Dr. Webb. Mus. Gould.

Known from *C. varicosa* var. *Mazatlanica*, by the light purplish-brown tinge, the colour of which wears off at the varices and nodules, and by the details of sculpture.

51. CERITHIDEA (? SACRATA, var.) FUSCATA, Gould, MS.

Cerithium (Potamis) sacratum, Gould, Exp. Shells, p. 60.

Pirena Californica, Nuttall, MS.

"*C. t. turrita, gracili, solida, rudi, fusco-cinerea; anfr. ad x. convexiusculis, plicis circiter xvi. longitudinalibus arcuatis, compressis, instructis, et filis ad v. volventibus cinctis; ultimis iii. varices ferentibus; apertura parva, subcirculari, basi vix effusa vel contorta; labro expanso, nitide rufo-nigricante.*"

"Long. 1.25, lat. .4 poll.

"*Potamis fuscata*. Distinguished from *P. sacrata* by its much more slender form, small size, colour of aperture, and longitudinal folds. It varies greatly in proportions, and sometimes displays a delicate, ochraceous revolving line."—Gould, MS.

This shell is regarded by Mr. Nuttall and myself as a variety of the very variable *C. sacrata*.

Hab. San Diego; legit W. P. Blake. Mus. Gould.

52. ERATO ? COLUMBELLA, Mke. Zeit. f. Mal. 1847, p. 183. no. 26.

Erato leucophæa, Gould, p. 13. pl. 14. f. 20.

Hab. Sta. Barbara (Jewett). Mus. Gould.

53. EURYTA FULGURATA, Phil. ♂

Terebra arguta, Gould, p. 7. pl. 14. f. 19; vide B.M. Maz. Cat. in loco.

54. CONUS RAVUS, Gould, p. 13. pl. 14. f. 21.

Hab. Sta. Barbara (Jewett). Mus. Gould.

55. CONUS PURPURASCENS, Sow.

Conus comptus, Gould, p. 14. pl. 14. f. 23.

Dr. Gould's type specimen is pronounced by Mr. Cuming to be a worn young specimen of that previously described. It is probably, as Dr. G. supposes, the *C. achatinus* of Menke's catalogue.

56. CONUS PUSILLUS, Gould, p. 15. pl. 14. f. 22.

Hab. Mazatlan (Jewett). Mus. Gould.

57. OBELISCUS ACHATES, Gould.

Odostomia achates, Gould, p. 12. pl. 14. f. 13.

Comp. *Obeliscus clavulus*, A. Ad.

Hab. Mazatlan (Jewett). Mus. Gould.

58. ODOSTOMIA GRAVIDA, Gould, p. 11. pl. 14. f. 14.

Hab. Sta. Barbara (Jewett). Mus. Gould.

59. CHEMNITZIA TENUICULA, Gould, p. 10. pl. 14. f. 15.

Hab. Sta. Barbara (Jewett). Mus. Gould.

60. CHEMNITZIA TORQUATA, Gould, p. 11. pl. 14. f. 16.

Hab. Sta. Barbara (Jewett). Mus. Gould.

61. SIGARETUS DEBILIS, Gould, p. 6. pl. 14. f. 17.

Hab. La Paz (Lieut. Green). Mus. Gould.

62. FASCIOLARIA BISTRIATA, n. s.

F. t. regulari, tenui, aurantio-fusca, epidermide tenui induta; anfr. ix. quorum duo nucleosi læves, apice mamillato, subdeclivi; normalibus convexis, sutura distincta; costis transversis (in anfr. penult. xvi.) tumetibus sed planatis, attingentibus, interstitiis parvis, ad basin evanidis; lirulis acutis spiratibus (in anfr. penult. vi.) et inter eas striulis crebris, costis transversantibus, eleganter ornata; apertura ovali, albida; labro acuto, secundum lirulas intus sulcato; pariete secundum lirulas plicato; labio ad basin parvo, vix plicato; canali elongato, subrecto.

Long. 1.07, long. spir. .42, lat. .48, div. 50°.

Hab. Panama, teste Gould; sp. unic. in Mus. suo.

The columellar folds in this very elegant and delicate shell are indistinct, but are compensated by the continuations of the spiral lirulæ over the body whirl.

63. OLIVELLA INTORTA, n. s.

O. t. parva, ovoidea, subtumente; sutura vix sulcata; albido-grisea, fascia indistincta subsuturali olivacea, flammulis et maculis purpureo-fuscis plus minusve ornata; apertura antice aperta, postice angusta; callositate parietali ad suturam penultimam producta; columella maxime intorta, plica ad basin acuta, in pariete duabus sæpe indistinctis; extus, linea spirali antica unica.

Long. .52, long. spir. .17, lat. .26, div. 60°.

Hab. San Juan; legit Dr. Green. Mus. Gould. Item, loc. incert. Mus. Cuming.

A well-marked species, resembling the West Indian *O. bullata*, on a much larger scale. The specimens vary in tumidity and height of spire. The parietal callosity extending over the penultimate whirl hides the colour of the spire.

64. MARGINELLA JEWETTII, n. s.

M. t. parva, alba, ovoidea; spira depressa, sutura celata, antice angustiore, postice tumidiore; labro vix incrassato, medio in-