

Description of New Species of the Genus Cypræa Linn. 255

mellari medianâ, validâ, rosçâ, interdum albâ; aperturâ obliquâ, truncato-auriformi, intus albâ; perist. acuto, intus incrassato; margine externo recto, arcuato; columellari dilatato, adnato; parietali nullo.

Shell sinistral, imperforate, ovate-conic, solid, shining, striate, green or yellowish; apex subacute, yellowish white; spire convexly conic; suture margined, chestnut, moderately impressed; whorls 6, convex; columellar fold central, strong, rose or sometimes white; aperture oblique, truncately auriform, white within; peristome acute, thickened within; with dextral margin unreflected, arcuate; columellar margin dilated, adnate; parietal margin wanting.

Length 0.75 inch (19 millim.); breadth 0.40 inch (10 millim.).

Length of body whorl 0.50 inch (13 millim.).

Average weight 5.20 grains.

Station.—On the Lama, Hao, Ohia (*Eugenia Malaccensis*), and Kukui (*Aleurites triloba*).

Habitat.—Halawa and Nunanu, Oahu. J. T. G.!

Remarks.—This species completes the gradation between *A. Stewarti* Green and *A. colorata* Reeve.

XXX.—*Description of a New Species of the Genus CYPRÆA Linn.*

By THEO. GILL.

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Cypræa notata, Gill.

Plate IX. Fig. 1-3.

Cypræa testâ oblongo-ovatâ, lævi, politâ, dorso elevato; margine externo incrassato, angulato; interno subrotundo; basi planulatâ; aper-

turâ postice angustâ, flexuosâ, antice hiantē; columellâ postice ventricosâ, antice subangustâ, planâ, plicâ marginali valido munitâ; dentibus columellaribus circa septemdecim, mediis tenuissimis, posterioribus paulo majoribus et anterioribus subvalidis; labii externi dentibus circa viginti duo, subæqualibus, parvis, brevibus; extremitatibus productis; incisurâ siphonale semi-ovatâ, vix obliquâ; spirâ umbilicatâ, lineâ dorsali obsoletâ.

Dorso colore cœrulescente, maculâ rufescente-purpureâ sub-centrali et lineis stramineis undulatis longitudinalibus obscuris ornato; lateribus luteis; basi carneâ; marginibus maculis hepaticis numerosis ornatis; extremitatibus utrinque et plicâ marginali violaceis.

Shell smooth, polished, oblong-ovate, with the back posteriorly elevated and thence declining with a gentle curvature towards the anterior part; external margin thickened, angular, and the inflected lip flattened; internal margin almost round; base nearly flat; aperture behind narrow and flexuous, before gaping; columella posteriorly rather ventricose, anteriorly rather narrow, flattened and armed with a strong marginal plait (or tooth); the number of the columellar teeth about seventeen, of which the middle are very delicate, the posterior slightly more developed and more distant from each other, and the anterior quite stout; on the outer lip are about twenty-two nearly equal, rather delicate and short teeth, but considerably stouter than any of those on the columellar lip, except a few of the anterior ones; the extremities produced; siphonal notch semi-ovate, hardly oblique; spire concealed, with a narrow and shallow umbilicus; dorsal line indefinite.

The back is of a bluish color, furnished with a single large reddish purple spot and with blurred longitudinal undulating straw-colored lines; sides with a yellow band separating the color of the back from that of the margins and base; the latter are a yellowish flesh color; the margins with numerous irregularly distributed rather large purplish brown spots; the extremities on both sides and the marginal plait of a violet color.

Length 23, width 14, height 11 millim.

Habitat.—East Indies.

Remarks.—This handsome cowrie, of which I have only seen the one above described, was found by Mr. David W. Ferguson of the city of Brooklyn, among a small lot of *Cyprææ* said to have been obtained at Singapore, among which were *C. zigzag* Linn., *C. fimbriata* Gm., *C. poraria* Linn., and several other species well known as inhabitants of the great Indo-Pacific province. The specimen is now in Mr. Ferguson's Cabinet, and to him I am indebted for the opportunity of describing it. It appears to be very distinct from any of the species of the genus hitherto described. In the color of the extremities it has some resemblance to *C. fimbriata* Gm., and *C. microdon* Gray, but the much larger size, the more elevated back, the narrower umbilicated spire, the color of the base and sides, the absence of any appearance of bands, and especially the large and distinct spots on the margins, at once distinguish it from either of those species. The teeth on the posterior and middle portions of the columellar lip are also smaller than in those species, and the number of teeth in both lips is greater than in *C. fimbriata* and less than in *C. microdon*. In its general form and appearance it has some resemblance to *C. Goodallii* and *C. contaminata*, but in every other respect it is very dissimilar.

With all these distinctive characters, I cannot hesitate to regard it as very different from any species with which I am acquainted, although I have only seen a single specimen. It has no appearance of malformation, and its color is very characteristic.

LIST OF FIGURES ON PLATE IX.

- | | | |
|--------|---|----------------------------|
| 1-3. | <i>Cypræa notata</i> Gill. | Ann. Lyc. Vol. VI. p. 256. |
| 4-5. | <i>Helix barbigera</i> Redf. nat. size. | " " " p. 171. |
| 6. | " " " upper surface, double nat. size. | |
| 7. | " " " part of same magnified four times. | |
| 8-10. | " <i>Elliotti</i> " nat. size | " " " p. 170. |
| 11-13. | " <i>sculptilis</i> Bland. " | " " " p. 279. |
| 14-16. | " <i>Edwardsi</i> " " | " " " p. 277. |
| 17. | " <i>fatigiata</i> Say (<i>Dorfeuilliana</i> Desh.), copied from Fer. Hist.
Pl. 69 D. fig. 3. | " " " p. 283. |
| 18. | " " " aperture mag. four times. | |
| 19-20. | " " " copied from Binney Ter. Moll. III. pl. xxxix.
fig. 4. | |
| 21-22. | " <i>Troostiana</i> Lea, copied from Trans. Amer. Phil. Soc. VI.
Pl. xxiv. fig. 119. | " " p. 288. |
| 23. | " " " aperture mag. four times. | |
| 24-25. | " <i>Dorfeuilliana</i> Lea, copied from Trans. Amer. Phil. Soc. VI.
Pl. xxiv. fig. 118. | " " p. 294. |
| 25 a. | " " " aperture mag. four times. | |
| 26. | " " ? var. ? " " " | |
| 27. | " <i>Hazardi</i> Bland, aperture mag. eight times. | p. 291. |
| 28. | " " " portion of last whorl behind the aperture,
magnified. | |
| 29-30. | " " " base and upper surface, double nat. size. | |
| 31. | " <i>Dysoni</i> Shuttl. (<i>Dorfeuilliana</i> Chem.), copied from Chem.
ed. 2. <i>Helix</i> t. 65. fig. 25. | " " p. 295. |
| 32. | " " ? " (<i>Dorfeuilliana</i> Reeve), copied from Conch.
Icon. pl. cxx. fig. 713. | |
| 33. | " <i>Texasiana</i> Mor., copied from Mem. Soc. Hist. Nat. Geneva.
VI. pl. i. fig. 2 c. | |
| 34. | " " " copied from Reeve Conch. Icon. pl. cxx.
fig. 707. | |



