

OCCASIONAL PAPERS

OF THE

BERNICE PAUAAHI BISHOP MUSEUM OF POLYNESIAN ETHNOLOGY AND NATURAL HISTORY

VOLUME VII—No. 6.

WITH PLATE XV.

A NEW VARIETY OF PARTULINA HORNERI

By

J. J. and A. GOUVEIA.

HONOLULU, HAWAII
BISHOP MUSEUM PRESS
1920

A New Variety of *Partulina Horneri*

By A. GOUVEIA

Partulina horneri, (Baldwin) var. *kapuana*, n. var.

J. J. and A. GOUVEIA.

PLATE XV.

Shell sinistral, translucent, apex acute, spire slightly concave, surface shining, the first two whorls nearly uniformly light brown in adult specimens, 3rd, 4th, 5th and 6th, brown, obliquely marked with white zigzag lines, last whorl lighter colored than the upper whorls, gradually becoming lighter and nearly pure white just in back of the lip and furnished with a white band just below the periphery, the upper margin of the band is bordered by a slightly darker shade of brown; whorls 7, first five slightly convex, the last very much inflated, forming a little more than half of the shell, rounded at the periphery; suture simple and slightly impressed; columella simple, white, nearly straight, slightly convex below, broader above and covering a deep circular umbilicus; aperture large, semioval, white within; margin of the lip thin, edged on the outside with a very narrow dark line, slightly thickened within.

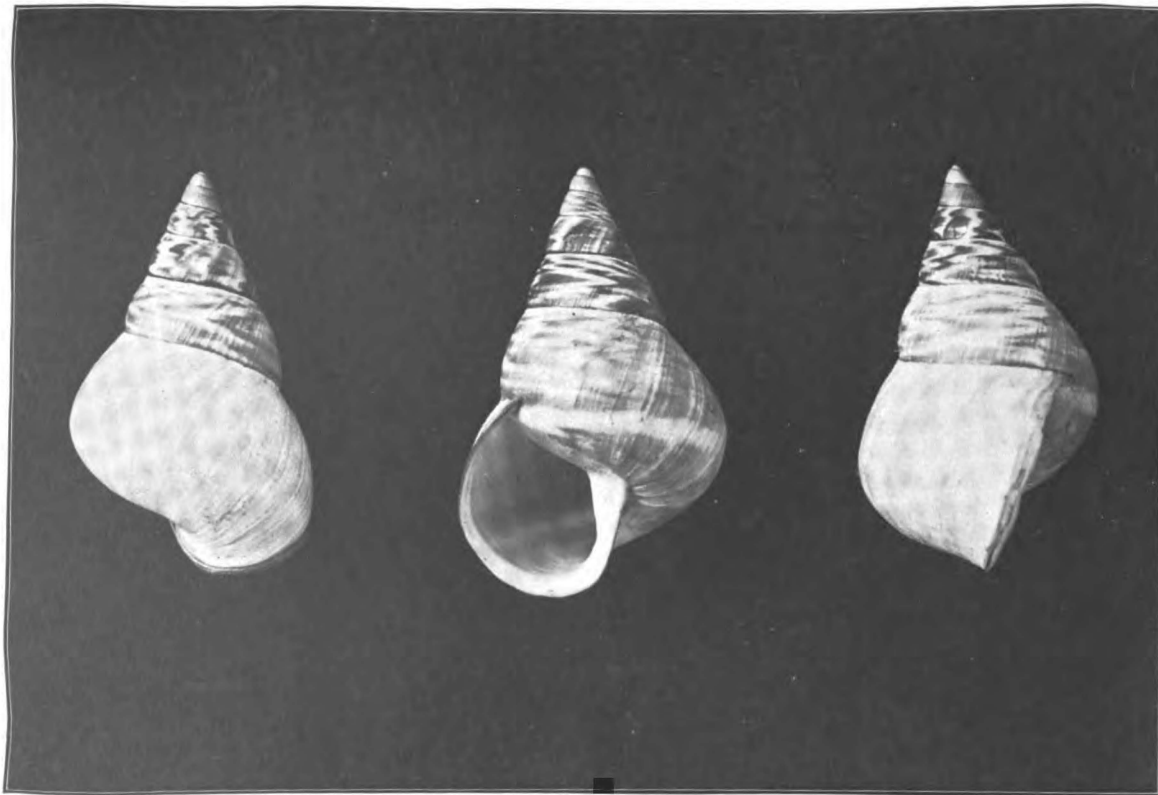
Length 24 mm. diam. (diagonal) 14 mm.; aperture, length 12 mm., diam. 9.3 mm.

Embryo: light brown with a narrow dark brown peripheral band, bordered on both sides by a white band and with broad indistinct irregular stripes. There were about four to each pregnant specimen.

Habitat: Waialohe, Kapua, South Kona, Hawaii: About one-half mile above Government Road; on Pua trees, very scarce. (A. Gouveia.)

Holotype: B. P. B. Museum, No. 49227. paratypes, Academy of Natural Science, Phil., and Gouveia Collection, Nos. 338, 404—3-6-7-8 and 429.

This form is provisionally placed as a variety of *P. horneri* although their habitats are widely separated. *P. h. kapuana* agrees with *P. horneri* in texture of the surface. It differs, however, in its narrower form, more rounded periphery and darker juvenile whorls. From *P. confusa* it differs in its smoother surface, more regularly coiled spire, and lighter and more distinct color pattern.



PARTULINA HORNERI (BALDWIN) VAR KAPUANA

× 2. 3. The plate shows three different specimens. The center figure is the holotype.