

Idaho, who obtained them on Clearwater River, near the junction with Fourth of July Creek, northern Idaho, July 30, 1930. The shells at hand are fresh, but no live ones were obtained. The figures 8 and 9 were drawn by Miss Elberta L. Craig, of the University of Colorado Museum.

This form differs from all recognized races of *P. mullani* by the strongly developed hairs of the periostracum. In *P. m. clappi* (Hemph.) there are extremely minute and much closer hairs in places, but all of the other subspecies have the surface smooth and more or less glossy.

A NEW CALIFORNIAN RACE OF MONADENIA

BY S. STILLMAN BERRY

Redlands, California

Among other fine things from the north brought in by those assiduous collectors, Mr. and Mrs. Emery P. Chace, is the very striking new subspecies of the old *Monadenia fidelis* (Gray) briefly described in a preliminary way in the following paragraphs.

MONADENIA FIDELIS PRONOTIS, new subspecies.

Diagnosis: Shell small for the species, heavy, the spire conic and usually well elevated; whorls 6 to 6½. Aperture scarcely descending above, the peristome little thickened or everted above, but more definitely reflected below and with a moderate umbilical flare. Umbilicus more or less covered but usually permeable, its diameter contained about 13 times in that of the shell.

Periostracum almost completely dehiscent on mature shells but where persisting on young specimens showing a well developed spiral sculpture on the upper surface.

Ground color ashy white to dark brown above, zoned by a wide suprapheral band of dark brown and usually one or more lighter bands between this and the suture; base uniformly brown, but the shade varying in intensity in different shells.

Measurements: Maj. diam. 27.5, alt. 18.7, diam. umbilicus 2.0 mm.

Holotype: Cat. No. 6961 of the author's collection. *Paratypes* in the collections of the Academy of Natural Sciences of Philadelphia, Emery P. Chace, and the author.

Type locality: Point St. George, near Crescent City, Del Norte Co., California; occurring alive in some abundance; E. P. and E. M. Chace coll., 25, Aug., 1929.

Remarks: This strongly differentiated maritime race, found under very different habitudinal conditions than the typical form, is so divergent from the other smaller races of *M. fidelis* which have received names as hardly to require any special comparison, and it must doubtless be regarded wholly as an independent offshoot. It is being given more complete treatment in a forthcoming monograph of the Californian snails of this group, but as the appearance of the larger paper has encountered some unanticipated delay, advance notice of this form is felt advisable so that the name may be used in connection with some of the material to be distributed.

TWO NEW HELICOIDS FROM THE MOHAVE DESERT, CALIFORNIA

BY G. WILLETT

MICRARIONTA HUTSONI AMBOIANA, new subspecies. Pl. 7, fig. 4.

Description: Similar in shape and size to *Micrarionta hutsoni hilli* Willett from the Sheep Hole Mountains, about thirty miles to the southward. Differs from *hilli* in somewhat smaller umbilicus, lighter coloration, and narrower and less sharply defined peripheral band. In coloration most like *M. hutsoni desertorum* Pilsbry and Ferriss, but differs from that form in proportionately larger umbilicus and banded periphery. Differs from *M. hutsoni unifasciata* Willett,



Berry, S. S. 1931. "A new Californian race of *Monadenia*." *The Nautilus* 44, 122–123.

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