

in any genus unless in Dr. Dall's *Opisthosiphon*, although even there they fit only by virtue of having a siphon back of the aperture, but otherwise do not resemble nor have much in common with the *Ctenopomas* that form the bulk of Dall's genus; and secondly, the remarkable development of large *Macroceramus* of the *M. hendersoni* group and of long, slender *Urocoptis*-like *Microceramus*. Like the operculates these all appear to be new in species and groups.

The absence of all *Urocoptids* (save the one *U. camagueyana* Torre) is striking. None of the other shells that do seem referable to published species are typical except the *Pleurodonte* and *Liguus*, which are widely distributed over the island, and signify but little in questions of local distribution.

The strangeness of this mollusk group which appears to be removed from the Oriente and Trinidad groups gives rise to some perplexing queries in distribution. There seems to be a sort of vague line of connection with northern Santa Clara and diagonally south across the island and including the Isle of Pines. This is hinted at by a few species rather than proclaimed by the total. We have still much to learn about Cuban land shells.

What we had anticipated would be a very hard trip turned out to be one of our easiest ones. The open, level country made travel in a volanta-like trap possible and the few natives living in this sparsely settled country are hospitable to the point of embarrassment. We slept in our own hammocks and strangely enough our only discomfort was occasioned by the cold nights. We nearly froze to death.

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#### SHELLS OF PUT-IN-BAY ISLAND, LAKE ERIE.

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BY JOHN A. ALLEN.

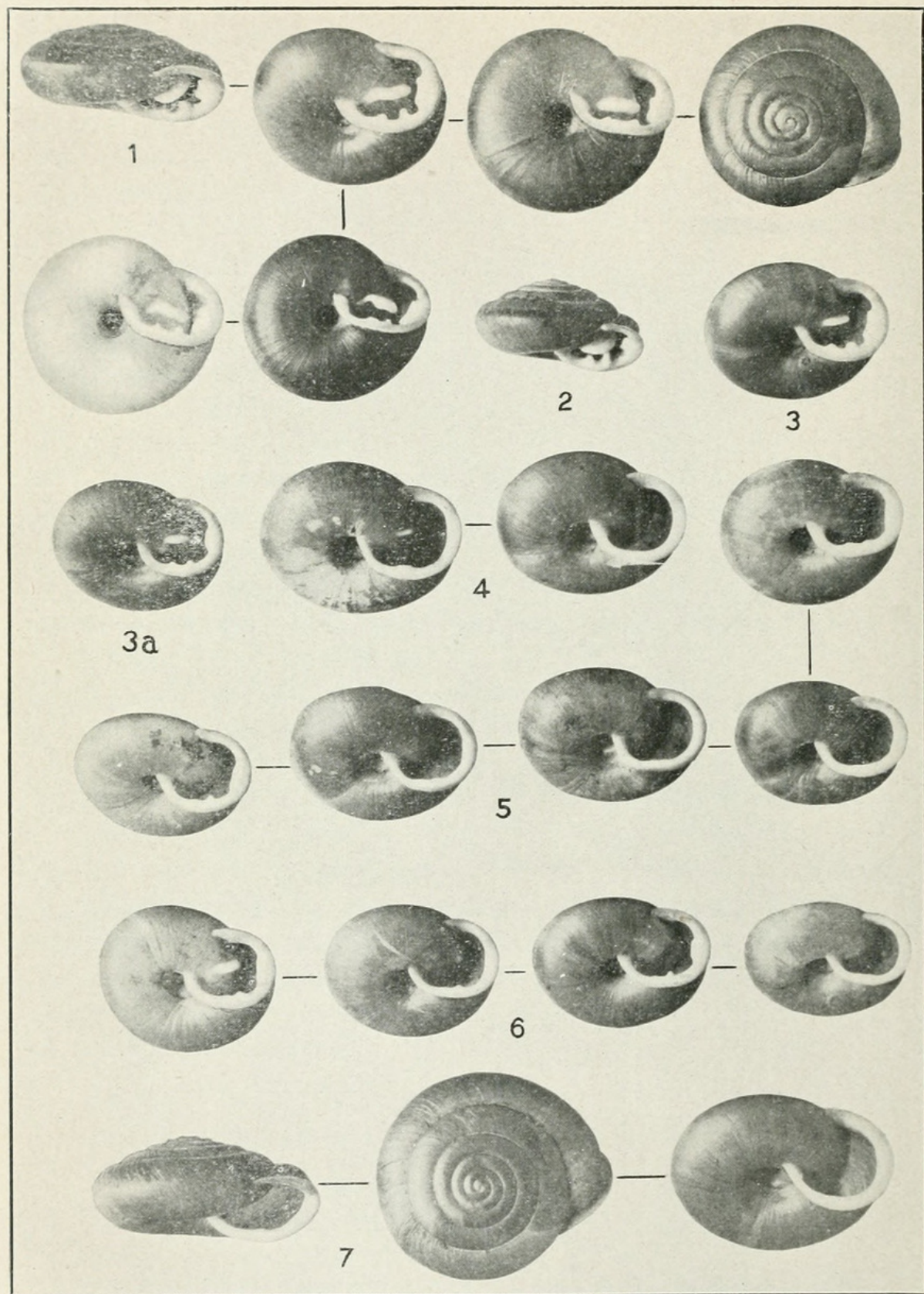
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Put-in-Bay is a beautiful island in Lake Erie, nearly all cultivated with orchard and vineyard, but retaining some rocky forest. It is of limestone formation, contains caves, and at places is faced with cliffs, and in the wilder parts is adorned with brilliant flowers, scarlet *Silene* and blue *Pentstemon*.

The island is about three miles from the Ohio shore, is about







1-3a. ASHMUNELLA TETRODON PILS. &amp; FERR.

4-6. ASHMUNELLA TETRODON MUTATOR P. &amp; F.

7. ASHMUNELLA TETRODON INERMIS P. &amp; F.



Allen, J. A. 1915. "Shells of Put-In-Bay Island, Lake Erie." *The Nautilus* 29, 18–20.

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