

SMITHSONIAN MISCELLANEOUS COLLECTIONS

VOLUME 91, NUMBER 3

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## Johnson Fund

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REPORTS ON THE COLLECTIONS OBTAINED BY THE FIRST  
JOHNSON-SMITHSONIAN DEEP-SEA EXPEDITION  
TO THE PUERTO RICAN DEEP

# A NEW CRAB OF THE GENUS CYCLODORIPPE

(WITH ONE PLATE)

BY

MARY J. RATHBUN

Associate in Zoology, U.S. National Museum



(PUBLICATION 3230)

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### A NEW CRAB OF THE GENUS CYCLODORIPPE

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Two species of *Cyclodorippe* are known from American waters: *C. agassizii* and *C. antennaria*, both described briefly by A. Milne Edwards and later described in detail and figured by Milne Edwards and Bouvier. Of *C. agassizii*, these authors recognized one varietal specimen from off Havana; the first Johnson-Smithsonian Deep-Sea Expedition obtained three similar specimens in Puerto Rican waters. This additional material permits establishing that so-called variety as a distinct species, to which the name *bouvieri* is here given.

Family DORIPPIDAE Dana

Genus CYCLODORIPPE A. Milne Edwards

CYCLODORIPPE BOUVIERI, n. sp.

*Cyclodorippe agassizii*, A. Milne Edwards and Bouvier, Mem. Mus. Comp. Zool., vol. 27, p. 94 (part), 1902.

*Description*.—*Cyclodorippe bouvieri* differs from *C. agassizii* as follows: There is no spine on the protogastric regions; the median spines are tubular, not conical, and are higher than in *agassizii*; the granulation is coarser on carapace and cheliped; the margin of the rostrum is arcuate, not angled; orbit narrow in dorsal view, margin rounding, orbital spine smaller than in the allied form. Wrist with a prominent blunt outer tooth or spine near distal end and directed forward.

*Type locality and distribution*.—A male specimen from station 100, northeast of Puerto Rico, latitude  $18^{\circ}40'15''$  N., longitude  $64^{\circ}50'15''$  W., 150 fathoms, March 4, 1933, has been selected as the holotype (U.S.N.M. no. 67827). It has a carapace length of 5.2 mm and a width of 5.6 mm. An ovigerous female was also taken in the same haul. A second male specimen was taken at station 101, latitude  $18^{\circ}45'40''$  N., longitude  $64^{\circ}48'$  W., in 300 fathoms. The specimen that Milne Edwards and Bouvier thought represented but a variety of *C. agassizii* was dredged by the United States Coast Survey steamer *Blake* off Havana, Cuba (station 53) in 242 fathoms.





*a*



*b*

CYCLOCORIPPE BOUVIERI, MALE HOLOTYPE  
LENGTH OF CARAPACE 5.2 MM

*a*, dorsal view; *b*, ventral view.