OCTOPICOLA STOCKI N. SP. (COPEPODA, CYCLOPOIDA),
ASSOCIATED WITH AN OCTOPUS IN MADAGASCAR

BY

ARTHUR G. HUMES
Department of Biology, Boston University, Boston, Massachusetts, U.S.A.

Only one species of the lichomolgid genus Octopicola Humes in Delamare Deboutteville, Humes & Paris, 1957, has been described thus far, namely O. superbus Humes in Delamare Deboutteville, Humes & Paris, 19571). This was reported originally from Octopus vulgaris Lamarck at Banyuls, on the Mediterranean coast of France, and later by Bocquet & Stock (1960) from Roscoff, on the Channel coast of France. The copepod has been found on the arms, head, and mantle, in the mantle cavity, and on the eggs of the octopus.

Further collections of this species (representing a new subspecies) from Octopus vulgaris in the West Indies (Curaçao and Barbados) will soon be reported by Stock, Humes & Gooding (in press).

The specimens from Madagascar appear to represent a second species of the genus. They were collected while the author was the leader of an expedition to Madagascar sponsored by the Academy of Natural Sciences of Philadelphia. Collecting facilities were generously provided at the Station Océanographique at Nossi Bé by the Institut de Recherches Scientifiques de Madagascar. The laboratory study has been aided by a grant from the National Science Foundation of the United States.

For the identification of the octopuses I wish to thank Dr. Gilbert L. Voss of the University of Miami Marine Laboratory.

All figures were drawn with the aid of a camera lucida. In the explanation of the figures the letter after each figure refers to the scale at which it was drawn.

Octopicola stocki n. sp.

Type material. — 7 females, 9 males, and 4 copepodids washed from 2 specimens of Octopus (Tritaxeopus) cornutus Owen, 1881, found hiding in crevices under coral in one-half meter of water at low tide at Pte. Mahatsinjo, on the southern shore of Nossi Bé, northwestern Madagascar, August 8, 1960. Holotype female, allotype male, and 7 paratypes (3 females and 4 males) deposited in the United States National Museum at Washington; 5 paratypes (2 females and 3 males) in the Institut de Recherches Scientifiques de Madagascar at Tananarive; and the remaining paratypes in the author's collection.

Other specimens. — 1 female, 2 males, and 1 copepodid from one large unidentified octopus at Pte. Mahatsinjo, Nossi Bé, November 2, 1960.

1) The feminine specific ending originally used is here changed to masculine to conform to the International Code of Zoological Nomenclature, XV International Congress of Zoology, Article 30 (a) (i) (2) examples. See also Bocquet & Stock, 1960: 6.
Figs. 1-6. *Octopiscola stocki* n.sp., adult female. 1, body, dorsal (A); 2, urosome, dorsal (B); 3, anterior part of urosome, lateral (C); 4, egg sac (B); 5, rostral area, ventral (D); 6, first antenna, dorsal (C).