

MARQUESAN SIPHONAPTERA*

By

M. A. STEWART

RICE INSTITUTE, HOUSTON, TEXAS

Very little is known of the siphonapterous fauna of the South Sea islands; therefore, even though no new species are included in the material reported upon in this paper, the collection is, nevertheless, interesting. The fact that no fleas were taken on the Marquesan *kioe enata* (so-called "native rat") is of particular interest in view of P. A. Buxton's¹ statement of his belief that *Mus exulans* "has no flea peculiar to it." With the exception of the *kioe enata* and a prehistoric breed of swine which may now be extinct, I am informed that all the Marquesan mammals are of comparatively recent introduction.

All the specimens reported herein were forwarded to me by Mr. E. P. Mumford, Director of the Pacific Entomological Survey, to whom I am indebted for information regarding the hosts. One family, three genera, and three species are represented in this collection.

FAMILY PULICIDAE

Genus XENOPSYLLA Glinkiewicz

Xenopsylla cheopis Rothschild.

Hivaoa: Atuona, February 11, 1929, 1 specimen; March 1, 1929, 2 specimens, from the recently introduced *kioe kai ehi* (*Rattus rattus*?) Mumford and Adamson.

Genus PULEX Linnaeus

Pulex irritans Linnaeus.

Uahuka: 1931, host unrecorded, 3 specimens, LeBronnec and H. Tauraa.

Tahuata: Vaitahu Valley, July 2, 1930, off *Canis familiaris*, 1 specimen, LeBronnec and H. Tauraa.

Hivaoa: Atuona, March 13, 1929, off *Canis familiaris*, 2 specimens, Mumford and Adamson.

Nukuhiva: Taiohae, October, 1929, off *Homo sapiens*, 2 specimens, Adamson.

Genus CTENOCEPHALIDES Stiles and Collins

Ctenocephalides felis Bouché.

Hivaoa: Atuona, February 12 and 13, 1929, off *Canis familiaris*, 91 specimens; July 20, 1929, off 2 specimens of *Canis familiaris* (70 specimens), and off *Felis domestica* (27 specimens); Mumford and Adamson.

Tahuata: Vaitahu Valley, July 12, 1930, off *Canis familiaris*, 15 specimens, LeBronnec and H. Tauraa.

Fatuhiva: Hanavave Valley, September 12, 1930, off *Canis familiaris*, 17 specimens, LeBronnec.

Eiao: Vaitahu, October 1, 1929, "probably left by dogs," 2 specimens, Adamson.

¹ Buxton, P. A., Siphonaptera: Insects of Samoa, pt. 7, fasc. 2, p. 53, 1928.

* Pacific Entomological Survey Publication 7, article 16. Issued September 18, 1934.