

In 1907 this list was supplemented by the following species taken from rats :

Pulex irritans, Linn.
Loemopsylla (*Pulex*) *cheopis*, Roth.
Ctenocephalus canis (Curt), Baker.
Ceratophyllus fasciatus, Bosc.
Ctenopsyllus musculi (Duges), Wagner.

These were first recorded as rat fleas in Bull. Cal. State Board of Health, 1907, III, No. 5, p. 39.

The list was augmented in 1908 by the species following :

Argopsylla gallinacea (Westwood), Enderlein.
Hoplopsyllus anomalus, Baker.
Ceratophyllus ignotus, Baker.

These three species were recorded in Entomological News, October, 1908, pp. 380-382.

The remaining species, with a few exceptions, were embodied in a report on the Species of the Siphonaptera found within the boundaries of the city and county of San Francisco, by Fox, Jan., 1909, Entomological News, pp. 10-11.

The following compilation constitutes a compendium of the species of fleas, with normal and occasional or accidental hosts. It may be of interest to note that the fleas recorded from rats had been identified after an examination of more than 200,000 rats of the common varieties found locally and taken from ships in the San Francisco harbour. The squirrel fleas were collected from several hundred California ground squirrels. Two species, *Ceratophyllus acutus* and *Hoplopsyllus anomalus*, seem fairly constant in the San Francisco Bay region and in the vicinity of Los Angeles.

Family RHYNCHOPRIONIDÆ, Baker.

Genus *Argopsylla*, Enderlein.

1.—*Argopsylla gallinacea* (Westwood), Enderlein.
1908.—Mitzmain, Entomological News, XIX, No. 8, p. 381.
Hosts.—Poultry and farm animals, occasionally man.
Region.—Central California.