

## THE ARACHNIDA OF ST. CROIX, V. I.

By HARRY A. BEATTY

This check-list of the ectoparasites occurring on mammals, birds and reptiles of St. Croix, V. I., holds no pretense for completeness but the material at hand is sufficiently representative to gain our interest, and especially is this true since the presence of these parasites have remained unrecorded from the island. All species mentioned here were taken off of their natural hosts and the determinations were made by H. E. Ewing, excepting the half-engorged nymphs of *Amblyomma* which were determined by C. N. Smith. This being the first reference to *Amblyomma* on St. Croix it may have arrived here quite recently, possibly from Antigua, B.W.I. where it is reported as common.

To encompass a complete faunal report on St. Croix it should be mentioned here that a large collection of spiders was sent to Elizabeth B. Bryant and her paper entitled "Notes on the Spiders of the Virgin Islands" appeared in the "Bulletin of the Museum of Comparative Zoology," Vol. LXXXIX, No. 7, 1942.

### Order ACARINA

#### Suborder ASTIGMATA

##### SARCOPTIDAE

- 1 *Notoedres cati* Hering  
Off domestic cat.
- 2 *Cnemidocoptes* sp.  
Known as "scaly legs" of fowls.
- 3 *Sarcoptes scabiei canis* Gerlach  
Off dog.
- 4 *Psoroptes communis* Furstenberg  
Taken off cattle.

##### ANALGESIDAE

- 1 Analgesidae gen & sp.  
Off Red-tailed Hawk (*Buteo jamaicensis*), and Bare-legged Owl (*Otus nudipes newtoni*).
- 2 Analgesidae gen & sp.  
Taken off Ani (*Crotophaga ani*), Mocker (*Mimus polyglottos orpheus*), Thrasher (*Margarops f. fuscatus*), Yellow warbler (*Dendroica petechia cruciana*).

## 3 Analgesidae gen &amp; sp.

Taken off Oyster-catcher (*Haematopus ostralegus palliatus*).

## 4 Analgesidae gen &amp; sp.

Taken off Ground-Dove (*Columbigallina passerina nigrirostris*),  
Hummingbird (*Sericotes; h. holosericeus*), Kingbird (*Tyrannus d. dominicensis*).

## 5 Eupterolichus sp.

Off Ani (*Crotophaga ani*).

## 6 Falculifer sp.

Off Scaled Pigeon (*Columba squamosa*).

## 7 Pterodectes sp.

Off Mocker (*Mimus polyglottus orpheus*).

## Suborder BRACHYPODA

## DEMODICIDAE

## 1 Demodex canis Leydig

Taken off dog.

## CHEYLETIDAE

## 1 Cheyletus sp.

Off domestic fowl.

## Suborder MESOSTIGMATA

## DERMANYSSIDAE

## 1 Liponyssus bursa Berlese

Off domestic fowl.

## PARASITIDAE

## 1 Parasitidae gen &amp; sp.

Taken off a beetle, *Metamasius hemipterus*.

## 2 Echinolaelaps echidninus Berlese

Off gray Rat, *Rattus rattus alexandrinus*.

## 3 Periglischrus sp.

Off leaf-nosed bat, *Artibeus j. jamaicensis*.

## 4 Gekobia. sp.

Taken from the abdomen of a gecko, *Hemidactylus mabouia*

## 5 Macrocheles sp.

Clustered about the thorax of beetle, *Cerambycidae* sp.

## 6 Galumna sp.

Collected from an old bird nest.

## IXODIDAE

## 1 Ixodidae gen &amp; sp.

Taken off Bat, *Noctilio leporinus mastivus*. Taken off Mongoose, *Herpestes birmanicus*.

2 *Haemaphysalis chordeiles* Packard

Taken off Wilson Plover (*Charadrius wilsonia*).

3 *Dermacentor nitens* Neumann

A common parasite of the Horse (*Equus caballus*) and Donkey (*Equus asinus*). Rarely found on the deer (*Odocoileus virginianus*).

4 *Rhipicephalus sanguineus* Latreille

Common parasite of dogs.

5 *Boophilus annulatus microplus* Canestrini

Abundant parasite of deer (*Odocoileus virginianus*), and cattle.  
Rare on sheep and goats.

6 *Amblyomma* sp.

Det. G. N. Smith. Nymph taken off man. May 1935.