

日米科学協力研究：太平洋地域の昆虫類の地理的分布と生態  
 Japan-U. S. Co-operative Science Program: Zoogeography and  
 Ecology of Pacific Area Insects



NOTES ON THE SUCKING LICE (ANOPLURA) COL-  
 LECTED FROM AMAMI-OSHIMA AND THE  
 RYUKYU ISLANDS

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The author listed in this paper, the sucking lice collected by the member of the Japan-U. S. Co-operative Science Program and many other entomologists on the Amami-Oshima and the Ryukyu Islands. These sucking lice consisted of three families, five genera and eight species. These were collected from eight host mammals including human being on the five islands (Amami-, Okinawa-, Miyako-, Ishigaki- and Iriomote Islands). The author wishes to express his thanks to Dr. R. Kano, Dr. S. Asahina and Dr. Y. Hirashima for their kindness giving me the chances to examine the material and publish the present paper.

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Key to abbreviation of host names

- R. r.* ..... *Rattus rattus* Linné  
*R. n.* ..... *Rattus norvegicus* Berkenhout  
*R. l.* ..... *Rattus legata* Thomas  
*M. c.* ..... *Mus caroli* Bonhote  
*T. o.* ..... *Tokudaia oshimensis* Abe  
*S. m.* ..... *Suncus murinus* Linné  
*B. b.* ..... *Bos bubalis* Linné  
*S. s.* ..... *Sus scrofa* var. *domesticus* Brisson

(m: Male, f: Female, n: Nymph)

HOPLOPLEURIDAE

Polyplacinae

(1) *Polyplax spinulosa* (Burmeister, 1839)

AMAMI-OSHIMA ISLAND

1 m, 5 f, Yuwan, 11 Dec. 1961, ex. *T. o.*, Coll. K. Kaneko; 3 m, 13 f, Nishinakama, 7 Mar. 1963, ex. *R. n.*, Coll. K. Miyamoto & S. Shinonaga.

## RYUKYU ISLANDS

## Okinawa main Island

1 m, Gushichan, 7 April 1955, ex. *R. r.* by J. E. Scanlon; 1 f, Naha, 10 Mar. 1953, ex. *R. r.*, by J. E. Scanlon; 4 f, Yona, 28 May 1962, ex. *T. o.*, Coll. R. Kano; 1 f, Nago, 28 Nov. 1963, ex. *R. n.* Coll. K. Kaneko.

## Miyako Island

8 f, 3 n, Nobaru, 20 July 1956, ex. *R. r.* By. K. Fukumine; 2 f, 1 n, Nobaru, 27 July 1956, ex. *R. r.* By. K. Fukumine.

## Ishigaki Island

1 m, 1 f, Tabaru, 20 Aug. 1954, ex. *R. r.*, Coll. R. Kano; 2 f, Ishigaki, 17 Octo. 1954, ex. *R. n.*, Coll. R. Kano; 5 f, Tabaru, 6 March 1955, ex. *R. n.*, Coll. K. Aniya.

## Iriomote Island

1 m, Ohara, 12 May 1963, ex. *R. n.*, Coll. K. Kaneko.

This species was originally described from specimens collected from *Rattus norvegicus* in Europe. It is typically a parasite of *Rattus* species in all over the world, but on the Amami-Oshima Island it was found on *Tokudata oshimensis* Abe and *Rattus legata* Thomas. It is very interesting fact that this lause was found from such hosts.

(2) *Polyplax recrenata* (Nitzsch, 1864)

## AMAMI-OSHIMA ISLAND

Many specimens f. m. n. Naze, 10 Sept. 1962, ex. *R. l.*, Coll. M. Mishima.

## RYUKYU-ISLANDS

## Okinawa main Island

1 f, Naha, 23 Sept. 1952, ex. *S. m.*, by J. E. Scanlon; 1 m, Naha, 3 Dec. 1952, ex. *S. m.*, by J. E. Scanlon.

## Miyako Island

1 m, 3 n, Seijo, 26 July 1956, ex. *S. m.*, by K. Fukumine; 7 m, 12 f, 1 n, Fukuzato, 25 July 1956, ex. *S. m.*, by K. Fukumine; 11 m, 13 f, 13 n, Iric; 17 July 1956, ex. *S. m.*, by K. Fukumine; 3 m, 27 f, Kagamihara, 11 July 1956, ex. *S. m.*, by K. Fukumine; 3 f, Kawamitsu, 15 July 1956, ex. *S. m.*, by K. Fukumine; 1 m, 1 f, Aragusuku, 27 July 1956, ex. *S. m.*, by K. Fukumine; 18 m, 13 f, 8 n, Kyogen, 21 July 1956, ex. *S. m.*, by K. Fukumine; 3 f, Shinzato, 19 July 1956, ex. *S. m.*, by K. Fukumine; 2 f, Yamakita, 13 July 1956, ex. *S. m.*, by K. Fukumine; 1 m, 3 n, Sunakawa, 24 July 1956, ex. *S. m.*, by K. Fukumine.

## Ishigaki Island

1 m, 2 f, Ishigaki, 19 Nov. 1963, ex. *S. m.*, Coll. K. Kaneko; 1 m, 1 f, Nakama, 8 Nov. 1952, ex. *S. m.*, by J. E. Scanlon.

## Iriomote Island

2 m, 1 f, Shirahama, 14 Nov. 1963, ex. *S. m.*, Coll. K. Kaneko.

This species was originally recorded from the *Sorex araneus* in Europe. The shrews have been recorded as normal hosts of this species all over the world, but *Rattus legata* was newly recorded as its host from Amami-Oshima Island.

## Hoplopleurinae

(3) *Hoplopleura oenomydis* Ferris, 1921

## AMAMI-OSHIMA ISLAND

1 f, Koniya, 15 Dec. 1955, ex. *R. r.*, Coll. M. Sasa; 2 m, 6 f, Yuwan, 11 Dec. 1961, ex. *R. n.*, Coll. K. Kaneko.

## RYUKYU ISLANDS

## Okinawa main Island

1 m, 1 f, Naha, 10 Mar. 1953, ex. *R. r.*, by J. E. Scanlon; 4 m, 13 f, Nago, 28 Nov. 1963, ex. *R. n.*, Coll. K. Kaneko.

## Miyako Island

2 f, Kagamihara, 11 July 1956, ex. *R. r.*, by K. Fukumine; 1 f, Kyogen, 21 July 1956, ex. *R. r.*, by K. Fukumine; 1 f, Sugama, 16 July 1956, ex. *R. r.*, by K. Fukumine.

## Ishigaki Island

6 m, 9 f, 2 n, Ohama, 20 Aug. 1954, ex. *R. n.*, Coll. R. Kano; 7 m, 10 f, Ohama, 25 March 1954, ex. *R. n.*, Coll. K. Aniya.

## Iriomote Island

2 f, Ohara, 12 May 1963, ex. *R. n.*, Coll. K. Kaneko.

This species was originally described from specimens found on *Oenomys hypoxanthus* in British East Africa, since then it was recorded from *Rattus* species in various parts of the world.

(4) *Hoplopleura captiosa* Johnson, 1960

1 m, Yonagusuku, Okinawa, 3 Nov. 1952, ex. *M. c.*, by J. E. Scanlon; 2 f, Naha, Okinawa, 10 Dec. 1952, ex. *M. c.*, by J. E. Scanlon.

In 1959, the author reported *Hoplopleura intermedia* collected from *Mus caroli* in Japan. Johnson (1960) also described *Hoplopleura captiosa* from the holotype female, allotype male, and several males and females, collected from *Mus musculus* in Egypt, and she observed that species is commonly found on *Mus musculus* in various parts of the world. In comparison with two specimens the author recognized that *Hoplopleura intermedia* collected from Japan was synonym of *Hoplopleura captiosa*.

## Haematopinidae

(5) *Haematopinus suis* (Linné, 1758)

2 m, Ishigaki, Aug. 1954, ex. *S. s.*, Coll. R. Kano.

(6) *Haematopinus tuberculatus* (Burmeister, 1839)

3 m, 4 f, 2 n, Ishigaki, 15 Nov. 1954, ex. *B. b.*, Coll. R. Kano; 3 f, Haimi, Iriomote, 7 July 1954, ex. *B. b.*, coll. R. Kano.

## Pediculidae

(7) *Pediculus humanus* Linné, 1758

2 m, 2 f, Hinaki, Okinawa, 28 Jan. 1964, ex. Human, Coll. S. Yonabaru.

(8) *Pthirus pubis* (Linné, 1758)

Many specimens m, f, n, Ishigaki, May 1963–May 1964, ex. Human, Coll. R. Hazama.

## Literature

Johnson, P. T., 1960: The Anoplura of African rodents and insectivores. U. S. D. A. Tech. Bull. 1211, pp. 166.

Ferris, G. F., 1921–1923: Contribution toward a monograph of the sucking lice. Parts I–IV.

—, 1951: The sucking lice I, pp. 320.

Fukumine, K., 1954: Studies on medically important animals on Miyako Island, Ryukyu. Ochanomizu M. J. 7, (6), 351–357.

Kaneko, K., 1959: Studies on sucking lice (Anoplura) in Japan. Prat IV, Taxonomical and ecological studies on murine lice. Japan J. Exp. Med. 29, (4), 251–267.

## 摘 要

今日まで奄美大島および琉球列島で採集されたシラミ類に、日米科学協力研究の調査によつて得られた採集品を合せて分類整理したところ、3科5属8種を見出した。これらのシラミ類は総て既知種であつたが、寄生宿主では奄美大島産のケナガネズミ (*Rattus legata*)、アマミトゲネズミ (*Tokudaia osimensis osimensis*) と沖縄産のオキナワトゲネズミ (*Tokudaia osimensis muenninki*) はいずれも新宿主であつた。なお日本産ハツカネズミ寄生の *Hoplopleura intermedia* を *Hoplopleura captiosa* と訂正した。