

## New Thysanoptera Records from the Caroline and Mariana Islands

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EXPERIMENT STATION, HSPA, HONOLULU, HAWAII

(Submitted for publication December, 1964)

The following records include a few collections I made, but mostly are based on material obtained through the courtesy of Messrs. R. P. Owen and J. A. Tenorio, entomologists with the Trust Territory of the Pacific, my hosts during a recent sojourn in Micronesia.

TEREBRANTIA  
THRIPIDAE  
THRIPINAE

1. *Taeniothrips setipennis* Karny 1925, BULL. DELI PROEFST. SUMATRA 23:32.  
Described from Java; known also in Formosa (*T. varicornis* Moulton 1928) and Guam (*T. setipennis* Karny, Moulton 1942); several males and females "dead from unknown cause when collected" on tobacco leaves, Aslito, Saipan, June 6, 1964, Tenorio.
2. *Isoneurothrips rosaceae* Moulton 1936, PHILIPPINE JOUR. AGRIC. 7:272.  
Described from rose and gardenia flowers in the Philippine Islands; 13 females and 3 males, on cultivated *Premna* flowers, Koror, Palau, April 10, 1964, Tenorio.
3. *Microcephalothrips abdominalis* (Crawford).  
*Thrips abdominalis* Crawford 1910, POMONA COLLEGE JOUR. ENT. 2(1): 157.  
*Microcephalothrips abdominalis* (Crawford) Bagnall 1926, ANN. MAG. NAT. HIST. IX, 18:114.  
Not previously reported from Micronesia. Several males and females beaten off weeds, Koror, Palau, April 10, 1964, Tenorio. A few males and females, collected from a composite flower, Guam, March 27, 1964, Tenorio.
4. *Organothrips bianchii* Hood 1940, PROC. HAWAIIAN ENT. SOC. 10 (3):423.  
*Organothrips bianchii* Hood, Bianchi 1953, PROC. HAWAIIAN ENT. SOC. 15 (1):97.

Previously known only from Hawaii and Samoa; males and females collected by myself on wet taro (*Colocasia antiquorum*), Koror, Palau, October 21, 1963; also observed in abundance on the same host near Ngiwal, Babelthuap I., Palau, November 7, 1963.

HELIOTHIRIPINAE

5. *Heliothrips haemorrhoidalis* (Bouche).

*Thrips haemorrhoidalis* Bouche 1833, SCHADL. GARTEN-INSEKTEN, 206.

*Heliothrips haemorrhoidalis* (Bouche) Burmeister 1838, HANDB. ENT. 2:412.

Previously reported from *Plumeria acuminata* on Kusaie I. (Kurosawa 1940), and from *Barringtonia racemosa* on Guam (Moulton 1942); collected on leaves of *Acalypha* at Kolonia, Yap I., December 6, 1963, Owen, and on leaves of breadfruit at Chalan Kanoa, Saipan I., March 4, 1964, Tenorio.

6. *Selenothrips rubrocinctus* (Giard).

*Physapus rubrocincta* Giard 1901, BULL. ENT. SOC. FRANCE, 263.

*Selenothrips rubrocinctus* (Giard) Franklin 1908, PROC. U.S. NAT. MUS. 33:719.

Previously reported from various host plants on Guam (Moulton 1942); two females "dead from unknown cause" collected on tobacco leaves at Aslito, Saipan, on June 6, 1964, Tenorio; many males and females collected on the same date at the same locality on a cashew nut tree "apparently dying from attack by thrips"; also many males and females seriously damaging a *Terminalia* sp. at Moen, Truk I., August 29, 1963, by Owen.

TUBULIFERA  
PHLAEOTHIRIPIDAE  
PHLAEOTHIRIPINAE  
HOPLOTHRIPINI

7. *Gynaikothrips uzeli* (Zimmerman).

*Mesothrips uzeli* Zimmerman 1900, BULL. INST. BOT. BUITENZORG 7:12.

*Gynaikothrips uzeli* (Zimmerman) Karny 1923, TREUBIA 3:325.

This species has already been reported from Guam (Moulton 1942), Babelthuap and Koror (Kurosawa 1940). I found it on Koror I. during January and on Peleliu in February 1964, causing considerable damage to *Ficus retusa* on both islands, although it was invariably accompanied by the predacious anthocorid *Montandoniola moraguesi* (Puton), which has not been recorded previously from Micronesia.

8. *Dolichothrips pumilus* Priesner 1935, PHILIPPINE JOUR. SCIENCE 57:362.

Known hitherto only in Formosa, where it was originally found on *Diospyros discolor*; several males and females collected from *Hibiscus* leaves in Chalan Kanoa, Saipan I., March 11, 1964, Tenorio.

## HAPLOTHRIPINI

9. *Haplothrips gowdeyi* (Franklin).

*Anthothrips gowdeyi* Franklin 1908, PROC. U.S. NAT. MUS. 33:724.

*Haplothrips gowdeyi* (Franklin) Hood 1913, INS. INSCIT. MENS. 1(12):152.

Previously reported from Guam I. (Moulton 1942); males and females beaten from weeds, Koror I., April 10, 1964, Tenorio.

10. *Karnyothrips flavipes* (Jones).

*Anthothrips flavipes* Jones 1912, U.S. DEPT. AGRIC. BUR. ENT. TECH. SER. 23(1):18.

*Karnyothrips flavipes* (Jones) Hood 1927, PAN-PACIFIC ENT. 3(4):176.

Already known in Guam (Moulton 1942); 11 females collected with an unidentified scale on avocado leaves, Koror I., February 17, 1964, Tenorio.

11. *Aleurodothrips fasciapennis* (Franklin).

*Cryptothrips fasciapennis* Franklin 1908, PROC. U.S. NAT. MUS. 33:727.

*Aleurodothrips fasciapennis* (Franklin) Franklin 1909, ENT. NEWS 20:228.

This probably tropicopolitan predator has already been reported from Ponape (Kurosawa 1940) and Guam (Moulton 1942); in my collection it is represented by a single female which I found on a coconut leaf on Faraulep I., Faraulep Atoll, January 16, 1964.

MEGATHRIPINAE  
COMPSOTHRIPINI12. *Bolothrips artocarpi* Moulton 1942, B. P. BISHOP MUS., BULL. 172:14.

Described from two specimens found in Guam on dead twigs of *Artocarpus communis*; one female collected on a coconut leaf at Aslito, Saipan I., June 6, 1964, Tenorio.

13. *Machatothrips artocarpi* Moulton 1928, TRANS. NAT. HIST. SOC. FORMOSA 18:322.

Described from Formosa and also known from Yap (Kurosawa 1940) and Guam (Moulton 1942); two males collected "on coconut" at Chalan Kanoa, Saipan I., March 7, 1964, Tenorio; also a series of males and females ex dry pods of *Leucaena glauca*, at Koror, Koror I., March 4, 1964, Bianchi.

14. *Rhaebothrips fuscus* Moulton 1942, B. P. BISHOP MUS., BULL. 172:15.

Known hitherto from Darnley Island, various islands of Fiji, and Guam; one female collected in a dry pod of *Leucaena glauca*, Saipan I., December 14, 1963, Bianchi.

15. *Dichaetothrips setidens* (Moulton).

*Mesothrips setidens* Moulton 1928, PROC. HAWAIIAN ENT. SOC. 7(1):129.  
*Dichaetothrips setidens* (Moulton), Moulton 1944, B. P. BISHOP MUS., OCC. PAPERS, 17(22):308.

*Dichaetothrips setidens* (Moulton), Zimmerman 1948, INSECTS OF HAWAII 2:447.

Known from various islands of Fiji, the Marquesas, the Tuamotus, Mangareva in the Gambier Islands, and Oahu, Hawaiian Is., but not previously reported from Micronesia; one female resting on a tobacco plant, Faraulep I., Faraulep Atoll, January 15, 1964, Owen.

16. *Gigantothrips* sp.

A single male *Gigantothrips* collected from a coconut leaf on Ngemelis Island, Palau District, November 1, 1963, Owen, appears to be a new species near to *G. elegans* Zimmerman (1900, BULL. INST. BOT. BUITENZORG 7:18), which was described from Java.

17. *Mesothrips* sp.

An interesting species near to *Mesothrips leeuweni* Karny (1913, BULL. INST. BUITENZORG 2:71) is represented by two females found resting on a tobacco leaf at Faraulep Island, Faraulep Atoll, January 15, 1964, Owen, and by one male and two females collected in dry pods of *Leucaena glauca*, Koror Islands, March 4, 1964, Bianchi. This appears to be a new species, and it will be described later.

## REFERENCES

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