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SUPPLEMENTARY NOTES TO "A LIST OF THE DELPHACIDAE
(HOMOPTERA) IN JAPAN WITH SPECIAL REFERENCE TO
HOST PLANTS, TRANSMISSION OF PLANT DISEASES,
AND NATURAL ENEMIES"

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Since the manuscript of a list of Japanese Delphacidae (Mochida & Okada 1971) went to the press, further information on these subjects has been given. Especially, Kinzelbach (1971) made up a taxonomic revision of strepsipterous insects over the world, and Fennah (1971) showed supplementary notes to Micronesian Delphacidae. Notes are additionally given along the following lines.

1. Newly recorded subspecies, synonyms, and additional faunistic notes on Japanese Delphacidae

1. *Ugyops vittatus* (Matsumura) (Mochida & Okada 1971, p. 741).
Bonin Is. (Otôto-jima) (Fennah 1971, p. 569).
2. *Eurysa nawaii* (Matsumura) (Mochida & Okada 1971, p. 743).
Bonin Is. (Ani-jima, Chichi-jima) (Fennah 1971, p. 580).
3. *Perkinsiella saccharicida* Kirkaldy (Mochida & Okada 1971, p. 743).
Bonin Is. (Haha-jima) (Fennah 1971, p. 570).
4. *Sardia rostrata pluto* (Kirkaldy), newly recorded subspecies in Japan.
=*Hadeodelphax pluto* Kirkaldy.
Bonin Is. (Chichi-jima) (Fennah 1971, p. 572).
5. *Toya lyraeformis* (Matsumura) (Fennah 1971, p. 581).
=*Falcotoya lyraeformis*, (Mochida & Okada 1971, p. 767).
6. *Harmalia sameshimae* (Matsumura et Ishihara) (Fennah 1971, p. 582).
=*Harmalia sameshimai*, (Mochida & Okada 1971, p. 767).
7. *Metadelphax propinqua* (Fieber) (Mochida & Okada 1971, p. 774).
Ryûkyû Is. (Ishikagi-jima) (Mochida 1973).
8. *Sogata hakonensis* (Matsumura) (Fennah 1971, p. 580).
=*Unkanodes hakonensis*, (Mochida & Okada 1971, p. 779).
Bonin Is. (Haha-jima) (Fennah 1971, p. 580).
9. *Sogatella pusana* (Distant) (Fennah 1971, p. 574).
=*Sogata pusana* Distant.
=*Sogatella formosella* (Matsumura) (Mochida & Okada 1971, p. 781).
10. *Sogatella longifurcifera* (Esaki et Ishihara) (Mochida & Okada 1971, p. 788).
Bonin Is. (Chichi-jima) (Fennah 1971, p. 574); Ryûkyû Is. (Ishigaki-jima) (Mochida 1973).
11. *Sogatella panicicola* (Ishihara) (Mochida & Okada 1971, p. 788).
Ryûkyû Is. (Ishigaki-jima) (Mochida 1973).

2. Additional species of natural enemies*

1. *Perkinsiella saccharicida* Kirkaldy (Mochida & Okada 1971, p. 745).
Muirixenos perkinsiellae is a synonym of *Stenocranophilus perkinsiellae* (Pierce) (Strep., Halictophagidae) in Java.
2. *Stenocranus minutus* (Fabricius) (Mochida & Okada 1971, p. 751).
Elenchus tenuicornis (Kirby) (Strep., Elenchidae) in Europe (Hofeneder 1952).

* See Kinzelbach (1971), unless otherwise described.

3. *Megamelus notula* (Germar) (Mochida & Okada 1971, p. 753).
Anagrus atomus (L.) (Hym., Mymaridae) in Europe (see Mochida & Kisimoto 1971, p. 30).
 4. *Dicranotropis muiri* (Kirkaldy) (Mochida & Okada 1971, p. 754).
Muirixenos dicranotropidis is a synonym of *Stenocranophilus dicranotropidis* (Pierce) (Strep., Halictophagidae) in Java.
 5. *Peregrinus maidis* (Ashmead) (Mochida & Okada 1971, p. 757).
Zelus longipes (L.) (Heterop., Reduviidae)† in Jamaica (Frank & Bennett 1970).
 6. *Nilaparvata lugens* (Stål) (Mochida & Okada 1971, p. 763).
Elenchinus japonicus is a synonym of *Elenchus japonicus* (Esaki et Hashimoto) (Strep., Elenchidae) in Japan.
 7. *Javesella obscurella* (Boheman) (Mochida & Okada 1971, p. 768).
Achorolophus gracilipes (Kramer) (Acarina) in Europe (see Mochida & Kisimoto 1971, p. 33).
Elenchus tenuicornis (Kirby) (Strep., Elenchidae) in Europe (Raatikainen 1967, p. 106).
Strepsiptera sp. in Germany (Hofeneder & Fulmek 1942/43).
Panstenon oxylus (Walker) (Hym., Pteromalidae) in Europe (see Mochida & Kisimoto 1971, p. 26).
Dicondylus lindbergi Heikinheimo (Hym., Drynidae) in Europe (*Ibid.*, p. 31).
 8. *Laodelphax striatellus* (Fallén) (Mochida & Okada 1971, p. 773).
Stenocranophilus anomalocerus (Pierce) (Strep., Halictophagidae)† in East Europe.
Elenchinus japonicus is a synonym of *Elenchus japonicus* (Esaki et Hashimoto) (Strep., Elenchidae) in Japan.
Strepsiptera sp. in Finland (Hofeneder 1952).
 9. *Metadelphax propinqua* (Fieber) (Mochida & Okada 1971, p. 774).
Elenchus templetoni Westwood (Strep., Elenchidae)† in Mauritius.
E. tenuicornis (Kirby) (Strep., Elenchidae) in Finland (Lindberg 1960) and Hungary (Székessy 1965).
Strepsiptera sp. in Hungary (Székessy 1959, 1965).
 10. *Muellerianella fairmairei* (Perris) (Mochida & Okada 1971, p. 775).
Anagrus atomus (L.) (Hym., Mymaridae) in Europe (see Mochida & Kisimoto 1971, p. 30).
Strepsiptera sp. in Germany (Hofeneder & Fulmek 1942/43).
 11. *Muirodelphax exiguus* (Boheman) (Mochida & Okada 1971, p. 775).
Strepsiptera sp. in Germany (Hofeneder & Fulmek 1942/43; Székessy 1959).
 12. *Ribautodelphax collina* (Boheman) (Mochida & Okada 1971, p. 777).
Strepsiptera sp. in Finland (Hofeneder 1952).
 13. *Sogatella furcifera* (Horváth) (Mochida & Okada 1971, p. 786).
Elenchinus japonicus is a synonym of *Elenchus japonicus* (Esaki et Hashimoto) (Strep., Elenchidae) in Japan.
 14. *Sogatella longifurcifera* (Esaki et Ishihara) (Mochida & Okada 1971, p. 788).
Elenchus solomonensis (Fox) (Strep., Elenchidae)† in the Solomon Is.
3. Strepsiptera and their host delphacids distributed in Japan (Mochida & Okada 1971, Table 3 on p. 807)

Halictophagidae
Genus *Stenocranophilus* Pierce 1918

=*Stenocranophilus* Pierce 1914; =*Muirixenos* Pierce 1918; =*Delphacixenos* Pierce 1918.

1. *S. anomalocerus* (Pierce) in East Europe.
Host: *Laodelphax striatellus*.
2. *S. dicranotropidis* (Pierce) in Java.
Host: *Dicranotropis muiri*.
3. *S. perkinsiellae* (Pierce) in Java.
Host: *Perkinsiella saccharicida*.

Elenchidae
Genus *Elenchus* Curtis 1831

=*Elenchus* Curtis 1831; =*Mecynocera* Pierce 1908; =*Elenchoides* Pierce 1909; =*Liburne-*

† Species not represented in Mochida & Okada's list.

lenchus Pierce 1918; = *Elenchinus* Pierce 1918; = *Pseudelenchus* Ogloblin 1925; = *Sogatelenchus* Pierce 1961.

1. *E. japonicus* (Esaki et Hashimoto) in Japan.
Hosts: *Laodelphax striatellus* (Esaki & Hashimoto 1932, p. 34), *Nilaparvata lugens* (loc. cit.), *Sogatella furcifera* (Esaki & Hashimoto 1931, p. 39).
2. *E. solomonensis* (Fox) in the Solomon Is.
Host: *Sogatella longifurcifera*.
3. *E. templetoni* Westwood in Mauritius.
Hosts: *Dicranotropis muiri*, *Metadelphax propinqua*.
4. *E. tenuicornis* (Kirby) in Europe.
= *walkeri*; = *delphacophilus*; = *carpathicus*; = *dubius*; = *forcipatus*; = *lugubrinus*; = *chlorionae*.
Hosts: *Javesella obscurella* (Raatikainen 1967), *J. pellucida*, *Metadelphax propinqua*, *Muellerianella fairmairei*, *Stenocranus minutus*.
5. Strepsiptera sp. or spp. in Europe (Hofeneder & Fulmek 1942/43; Hofeneder 1952; Székessy 1959, 1965).
Hosts: *Javesella obscurella*, *J. pellucida*, *Laodelphax striatellus*, *Metadelphax propinqua*, *Muellerianella fairmairei*, *Muirodelphax exiguus*, *Ribautodelphax collina*.

4. Additional host range of virus diseases transmitted by delphacids (KNAES 1972)

1. Host plants of northern mosaic virus (Mochida & Okada 1971, pp. 799–800):
Glyceria acutiflora Torr. (Gramineae).
Phleum pratense Linn. (Gramineae).
Trisetum bifidum (Thunb.) Ohwi (Gramineae).
2. Host plant of stripe virus (Mochida & Okada 1971, pp. 800–801):
Poa annua Linn. (Gramineae).

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