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A New Species of the Genus *Anascirtothrips* Bhatti (Thysanoptera : Thripidae) from Taiwan 【Research report】

臺灣 *Anascirtothrips* 屬薊馬之一新種【研究報告】

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Abstract

Anascirtothrips discordiae n. sp. (Thripidae) from Taiwan is described and illustrated. *Anascirtothrips discordiae* n. sp. is found from Porcelain ampelopsis and *Ficus septica* in Taiwan. This species is characterized by having antennal segments IV and V in equal length, and abdominal sterna III-VII with brown antecostal lines.

摘要

Anascirtothrips discordiae 為薊馬科 (Thripidae) · *Anascirtothrips* 屬中之一新種 · 此新種採自臺北縣汐止之山葡萄 (Porcelain ampelopsis) 及稜果榕 (*Ficus septica*) 之葉上。其特徵主要為：觸角第四節與第五節等長，而腹部第3-7節腹板上具褐色之前緣內隆起線 (antecostal lines)。

Key words: Thrips, genus *Anascirtothrips*, new species, Taiwan.

關鍵詞: 薊馬、*Anascirtothrips* 屬、新種、臺灣。

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A New Species of the Genus *Anascirtothrips* Bhatti (Thysanoptera: Thripidae) from Taiwan

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ABSTRACT

Anascirtothrips discordiae n. sp. (Thripidae) from Taiwan is described and illustrated. *Anascirtothrips discordiae* n. sp. is found from *Porcelain ampelopsis* and *Ficus septica* in Taiwan. This species is characterized by having antennal segments IV and V in equal length, and abdominal sterna III-VII with brown antecostal lines.

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臺灣 *Anascirtothrips* 屬薊馬之一新種

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摘 要

Anascirtothrips discordiae 為薊馬科(Thripidae), *Anascirtothrips* 屬中之一新種, 此新種採自臺北縣汐止之山葡萄(*Porcelain ampelopsis*)及稜果榕(*Ficus septica*)之葉上。其特徵主要為: 觸角第四節與第五節等長, 而腹部第3~7節腹板上具褐色之前緣內隆起線(antecostal lines)。

關鍵詞: 薊馬、*Anascirtothrips* 屬、新種、臺灣。

Introduction

The genus *Anascirtothrips* was erected in 1961 by Bhatti. This new species *Anascirtothrips discordiae* is the third species of the genus. The other two species *Anascirtothrips arorai* and *Anascirtothrips ficus* were described by Bhatti in 1961 and 1963 at India respectively. According to Bhatti (1961) the characteristics of *Anascirtothrips* are: Head transverse, slightly produced in front of eyes in the form of a small interantennae projection separating the antennae bases. Antennae 7-segmented, segments III and

IV with forked sense cones. Ocelli arranged in an equilateral triangle. Pronotum without conspicuous setae. Forewing with 2 long veins. Abdomen set with rows of microtrichia. This paper deal with the description of new species from Taiwan.

Anascirtothrips discordiae n. sp.

(Fig. 1)

Female Holotype (Macropterous):

Body colour pale brown. Antennal segment I-II yellowish white, base of segment III with colourless pedicel, III-VII

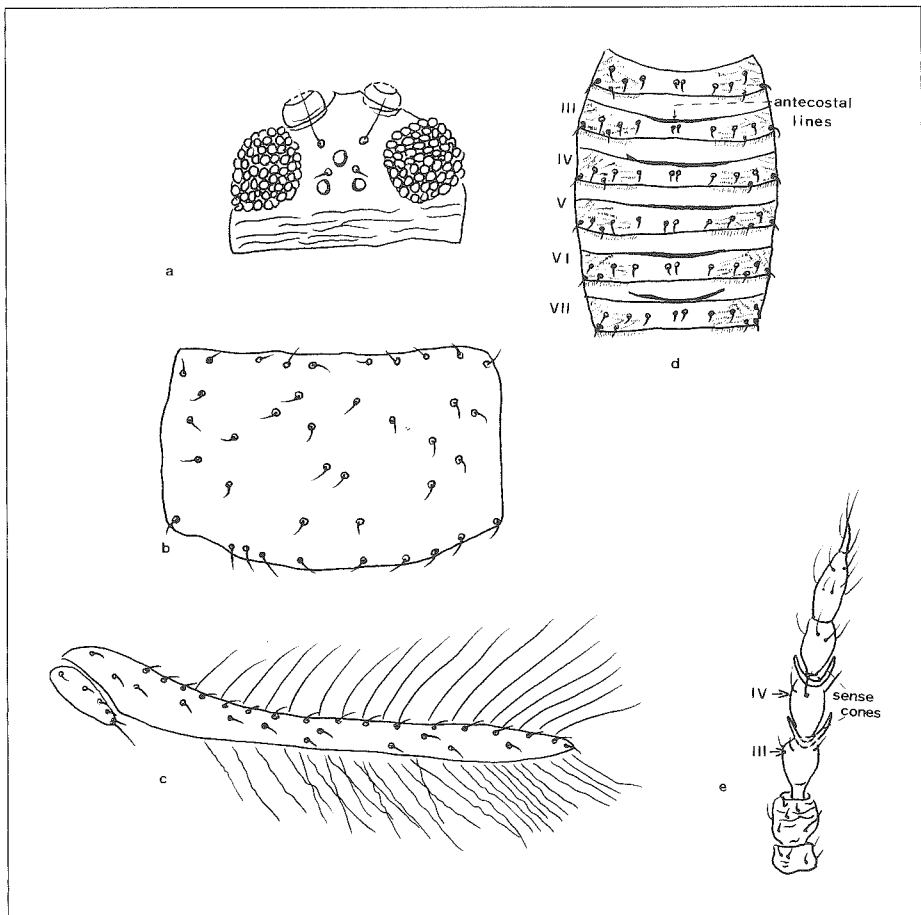


Fig. 1. The characteristics of *Anascirtothrips discordiae*. a, Head; b, Pronotum; c, Forewing; d, Abdominal tergites III-VII with antecostal lines; e, Antenna.

brown, V-VII darker at distal end. Eyes maroon, Ocellar crescents brown. Legs pale brown. On wings feebly shaded. Abdominal segments II-VII on side with brown shade, and sterna III-VII with brown antecostal lines (Fig. 1-d).

Head (Fig. 1-a) transverse. Three ocelli arranged in an equilateral triangle. One pair of interocellar setae short $5.5\ \mu\text{m}$, two antecellar setae near the base of each antenna $15.5\ \mu\text{m}$ long. Antenna (Fig. 1-e) $252\ \mu\text{m}$ long, antennal segment III and IV with forked sense cones. The length (width) of antennal segment I-VII being: 20(31), 38(34), 35(36), 42(25), 42(23), 49(21), $26(7)\ \mu\text{m}$.

Prothorax (Fig. 1-b) $143\ \mu\text{m}$ long, $223\ \mu\text{m}$ broad, without any conspicuous setae. Forewings (Fig. 1-c) $568\ \mu\text{m}$ long, with two long veins, costa with 18 setae, upper vein with 8 setae, lower vein with 3 setae. Scale-suture with a row of 4 setae. Posterior fringe wavy. Conical abdominal segments $715\ \mu\text{m}$ long, $340\ \mu\text{m}$ broad, set with dense rows of microtrichia laterally and dorsally. Abdominal segment VIII with complete comb on hind margin but interrupted in the middle part on I-VII segments. Ovipositor $230\ \mu\text{m}$ long.

Total body length about $1200\ \mu\text{m}$.

Male (Macropterous): Length $970\ \mu\text{m}$. It is smaller than female. The whole antennal length about $227\ \mu\text{m}$. Abdomen $498\ \mu\text{m}$ long, without brown antecostal lines. Forewings $520\ \mu\text{m}$ long. Other characteristics are similar to female.

This new species were collected from the leaves of *Ficus septica* and *Porcelain ampelopsis* at Tsihih and Shungchikon of Taipie Hsien, Taiwan in Aug. 11 and Oct. 20, 1979. Holotype specimen is deposited

in Plant Quarantin Division, Bureau of Commodity Inspection and Quarantine, Ministry of Economic Affairs, Taipei. Two paratype specimens and one allotype specimen are deposited in Fengshan Horticultural Experiment Station, Republic of China.

This new species is distinguished from the other species of the genus *Anascirtothrips* by the following key (♀):

1. Antennal segment I whitish, II-VII brown. The length of antennal segment V shorter than IV. Abdominal sterna IV-VII with brown antecostal lines.....*ficus* Bhatti
- The length of antennal segment V equal to IV.....2
2. Antennal segment I-V yellowish white, VI-VII grey. Forewing with 26 setae on costa, upper vein with 11 setae, lower vein with 4 setae.....*arorai* Bhatti
- Antennal segment I-II yellowish white, III-VII brown. Forewing with 18 setae on costa, upper vein with 8 setae, lower vein with 3 setae. Abdominal sterna III-VII with brown antecostal lines.....*discordiae* n. sp.

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