A NEW AND FOUR UNRECORDED SPECIES OF PHAONIIINAЕ (DIPT., MUSCIDAE) FROM JAPAN

BY

SHIZUO KATO

(With 3 Textfigures)

During my short collecting trip to the northern Nippon Alps, in the summer of 1933, with my friend Mr. S. Michitani, some interesting Muscid flies belonging to the Subfamily Phaoniinæ were captured at the place of 2300 to 2900 meters high up on Mt. Norikura. They are reported in the following lines.*

On this occasion, I wish to express my hearty thanks to Prof. Emeritus S. Matsumura for his constant encouragement and advice in many ways.

1. Alloeostylus diaphanus Wiedemann

Anthonyia diaphanus Wiedemann, Zool. Mag., I, 1, p. 81 (1817).


* The specimens treated in this paper are deposited in the Entomological Institute of the Hokkaido Imperial University.

[Ins. Mats., Vol. XI, No. 1 & 2, November, 1936]
KATO: A NEW AND FOUR UNRECORDED SPECIES OF *PHAONIINAE*


Length: ♂ 8.5 mm, ♀ 8 mm.

Habitat: 1 ♂, 1 ♀, Mt. Norikura, 31/VII, 1933.

Remarks: These specimens were collected at an altitude of about 2300 meters near "Reisen Koya". This is the first record from our faunal region.

2. *Rhynchotrichops subrostratus* ZETTERSTEDT


Length: ♂ 7 mm, ♀ 6-7 mm.

Habitat: 1 ♂, 5 ♀, Mt. Norikura, 31/VII, 1933.

Remarks: These specimens were collected at an altitude of about 2800 meters near "Kata no Koya". This is the first record from our faunal region.

3. *Trichopticus hirsutulus* ZETTERSTEDT

*Anthomyza hirsutulus* ZETTERSTEDT, Ins. Lapp., p. 673 (1838).


Length: ♂ ♀ 5.5-6.5 mm.

Habitat: 4 ♂ ♀ 23 ♀ ♀, Mt. Norikura, 31/VII, 1933.

Remarks: These specimens were collected at an altitude of 2800-2900 meters near "Kata no Koya". This is the first record from our faunal region.

4. *Trichopticus michitanii* sp. nov.

♂. Black, shining, with slightly gray pruinescence on thorax, and rather dense bluish gray pruinescence on abdomen. Head black; frontal vitta opaque; parafrontals, parafacials, and cheeks with silvery white pruinescence. Antenna black; second and third segments slightly yellow pollinose. Palpi black, pale
yellow pollinose. Thorax, viewed from above and behind, with a broad white median vitta reaching to the transverse suture and two white laterals on humeri. Abdomen with a black dorsocentral vitta. Legs black; anterodorsal surface of fore tarsi with golden yellow minute hairs. Wings infuscated, yellowish basally; veins brown. Calypterae yellow. Halteres brownish yellow.

Eyes separated, at a distance slightly greater than diameter of anteriorocellus. Parafrontals contiguous. Parafacials throughout their extent slightly narrower than width of third antennal segment. Cheeks about twice as high as width of third antennal segment. Third antennal segment about three times as long as the second. Arista minutely pubescent. Thorax without differentiated acrostichals before transverse suture, but two long distinct pairs before scutellum; postsutural dorsocentrafs four; prealar long and strong; Sternopleurals 1:2, the lower posterior one a little shorter than the others. Abdomen ovate, the marginal and discal bristles long and erect. Hypopigium moderately thickened when viewed in profile. Fore femur with double rows of long bristles on posterodorsal surface; a series of strong bristles on apical half of posteroventral surface continuing the short series of basal half. Mid femur with a group of brush-like strong bristles on apical third of anteroventral surface; a row of very long bristles on posteroventral surface except apical third; a row of four or five short bristles on distal portion of posteroventral surface. Mid tibia with a series of short bristles directed forwardly on anterior surface; six or seven bristles on posterior surface; two distinct posteroventral bristles. Hind femur with a row of long bristles on apical half and short bristles on basal half of anterodorsal surface; a series of long bristles on apical third of anteroventral surface. Hind tibia strongly curved; a row of long bristles on anteroventral surface; a number of short bristles on posteroventral surface; five or six long bristles on anterodorsal surface; two strong bristles on dorsal surface. Cross-vein curved as shown in Fig. 2.
Upper calyptra much smaller than the lower.

Length: 9.9-9.5 mm.

Described from five males (Holotype and Paratopotypes) collected at an altitude of about 2300 meters near “Reisen Koya” on Mt. Norikura on 31/VII, 1933.

5. Phaonia apicalis STEIN


Length: 6.5 mm.

Habitat: 18, Mt. Norikura, 31/VII. 1933.

Remarks: This species was collected at an altitude of about 2500 meters, between “Reisen Koya” and “Kata no Koya”. This is the first record from our faunal region.