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Notes on the subgenus *Hirtodrosophila* (Diptera : Drosophilidae)

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[Communicated by E. B. Basden]

Synopsis

A key is given to the eight species of *Drosophila*, subgenus *Hirtodrosophila*, reported from Korea, with notes on their distribution and on the characters of two recently described species

TAXONOMISTS and geneticists in South Korea have recently reported numerous drosophilid species, including eight species of the subgenus *Hirtodrosophila* of the genus *Drosophila*. The following key should serve to distinguish the latter.

Key to the members of the subgenus Hirtodrosophila in South Korea				
1	Mesonotum without prominent dark stripes			
	Mesonotum with prominent dark stripes			
2	Body whitish-yellow. Abdomen without dark bands			
_	D. (H.) sexvittata Okada (part)			
	Body yellowish-brown. Abdomen usually with dark bands			
3	Abdominal dark bands not interrupted at middle			
	D. (H.) histrioides Okada & Kurokawa			
4	Body reddish-brown. Acrostichals in 8–10 rows . D. (H.) nokogiri Okada			
	Body darker. Acrostichals in fewer rows D. (H.) kangi Okada & Lee			
5	Crossveins clouded			
-	Crossveins clear			
6	Only crossveins clouded. Abdominal dark bands interrupted at middle D. (H.) alboralis Momma & Takada			
_	Three rather large and distinct spots in the wing. Abdominal black bands deeply incised at middle and with 4 brownish yellow spots laterally			
	D. (H.) macromaculata Kang & Lee			
7	Mesonotum with 3 broad longitudinal black stripes, which are confluent posteriorly with each other to become a large black patch			
	$D. (H.) trivittata^1 Strobl$			
-	Mesonotum with paired longitudinal black stripes			
8	Mesonotum with 4 broad black stripes, inner pair broaden distally			
	D. (H.) quadrivittata Okada			
-	Mesonotum with 2-6 narrow black stripes, none of them broaden distally D. (H.) sexvittata (part)			
	D. (11.) Sexvituiu (part)			

¹ This Korean species may not be the real *trivittata* Strobl.—*E. B. B. Proc. R. ent. Soc. Lond.* (B). **33** (3–4). Pp. 37–38, 1964.

Distribution

Species	Sources	Locality
H. histrioides .	fruits sweeping on grass fungi	Mt. Sori, Mt. Yongmoon, Kongju, Mt. Keylyong, Mt. Ohdae, Mt. Taebak, Mt. Chiri, Quelpart- Island
	fruits	Mt. Sori
H. nokogiri .	sweeping on grass fungi	Mt. Sokli Ouelpart-Island
H. kangi	sweeping on grass	Mt. Šori
H. alboralis .	fungi	Mt. Sori, Mt. Ohdae, Mt. Chiri, Ouelpart-Island
H. macromaculata	decayed tree	Mt. Sori
H. trivittata .	fungi	Mt. Sori, Quelpart-Island, Dagelet-Island
H. quadrivittata . H. sexvittata .	fungi fruits, fungi	Mt. Sori, Mt. Chiri, Quelpart-Island Mt. Sori, Mt. Ohdae, Mt. Chiri, Mt. Mutung, Quelpart-Island

DISCUSSION

Nearly 60 species of the subgenus Hirtodrosophila have been known to occur throughout the world (Patterson, 1944, 1949; Cordeiro, 1952), 11 species being found in Asia, mostly in Japan. In Korea, the above eight species have been reported; five of them, sexvittata, nokogiri, histrioides, quadrivittata, alboralis, were first reported by Paik and by Kim (1957) and another, trivittata, by Chung (1958), and these were confirmed by Kang et al. (1959) and by Takada and Lee (1958). Of two more recently described species from Korea one, kangi, is similar to nokogiri, especially in the structure of male and female genitalia, but differs from it in having body smaller and darker, costal index much smaller, costa somewhat swollen at tip of second break, acrostichals in fewer rows, toe of genital arch acuter in angle, aedeagus not prominently serrated at sides. The other one, macromaculata, is the only species in Hirtodrosophila having spots on wings and body, as in some species of other subgenera.

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