

Momma, E. and A. Kaneko. Hokkaido University, Sapporo, Japan. Drosophilidae from three localities in Hokkaido and in Aomori Prefecture, based on collections in 1965.

Collections were made during the period from the 3rd of August to the 2nd of September, 1965, in Ohnuma, southern part of Hokkaido, Ikomabetsu (above 1,000 m from sea level), Taisetsu mountain region, central part of Hokkaido

and Yunosawa, Aomori Prefecture, northern part of Honshu. A total of 5,249 specimens was obtained which were mostly collected with fermented banana traps, at one hour intervals from sunrise to sunset for three successive days. They were represented by 33 species as given in the accompanying table. Abundant species in each collection sample were as follows: *D. auraria* with 55.43% in Ohnuma, *D. bifasciata* with 67.71% in Ikomabetsu and *D. auraria* with 72.99% in Yunosawa.

Table 1. Numerical data of drosophilid flies collected from three localities of Hokkaido and Aomori Prefecture.

Species	Yunosawa		Ohnuma		Ikomabetsu		Total
	♀/♂	(♀/♂)	♀/♂	(♀/♂)	♀/♂	(♀/♂)	
<i>Amiota</i>							
<i>variegata</i>	-		-		0/1		1
<i>Microdrosophila</i>							
<i>cristata</i>	-		1/0	(1/0)	-		1 (1)
<i>Scaptomyza</i>							
<i>pallida</i>	1/0	(1/0)	9/16	(9/16)	4/5	(2/4)	35 (32)
sp. like <i>graminum</i>	-		-		0/2	(0/2)	2 (2)
<i>concimilis</i>	-		-		6/6	(5/5)	12 (10)
<i>Polygonia</i>	-		0/3	(0/3)	5/8	(5/8)	16 (16)
<i>Okadai</i>	-		-		9/6	(9/6)	15 (15)
<i>Drosophila</i>							
<i>histrioides</i>	0/2		-		-		2
<i>coracina</i>	-		79/97		16/17		209
sp. of <i>fenestrarum</i> gp.	-		1/0	(1/0)	2/2	(1/1)	5 (3)
<i>bifasciata</i>	1/1		11/8		390/520		931
<i>helvetica</i>	-		-		4/0	(3/0)	4 (3)
<i>suzukii</i>	16/43	(0/2)	-		-		59 (2)
<i>lutea</i>	3/3		-		-		6
<i>nipponica</i>	1/0	(1/0)	-		1/0	(1/0)	2 (2)
sp. like <i>mommai</i>	-		-		7/6	(7/6)	13 (13)
<i>auraria</i> race A	875/596	(45/55)	68/119	(1/0)	-		1658 (101)
<i>auraria</i> race B	88/109	(0/6)	275/426	(0/2)	0/10		908 (8)
<i>auraria</i> race C	-		3/7		-		10
<i>brachynephros</i>	13/12	(1/0)	18/17		-		60 (1)
<i>unispina</i>	0/1		-		3/2		6
<i>nigromaculata</i>	9/5	(2/2)	43/37	(3/2)	54/17	(8/8)	165 (25)
<i>testacea</i>	1/0		68/30		203/18	(1/0)	320 (1)
<i>histrio</i>	5/5		6/5		2/3		26
<i>immigrans</i>	4/7	(3/1)	9/18		-		38 (4)
<i>pengi</i>	-		2/0		-		2
<i>virilis</i>	1/0		1/0		-		2
<i>ezoana</i>	-		1/0		2/3		6
<i>lacertosa</i>	194/264	(1/0)	36/45		-		539 (1)
<i>moriwakii</i>	0/3		4/3		-		10
<i>okadai</i>	3/2		2/0		5/5		17
<i>neokadai</i>	6/1		-		-		7
<i>sordidula</i>	5/4		79/60		-		148
<i>pseudosordidula</i>	-		6/7		-		13
sp. of <i>robusta</i> gp.	1/0		-		-		1
	1227/1058	(54/66)	722/898	(15/23)	714/630	(43/39)	
	2285	(120)	1620	(38)	1344	(82)	5249 (240)

The numerals in parentheses denote the number of specimens collected with the use of net sweeping.