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Collection records of drosophilid flies
from the three islands of Northern
Hokkaido.

Collections were made in August, 1965, in
the three small islands located at Japan
Sea apart from Northern Hokkaido: Yag-
ishiri Is., Rishiri Is. and Rebun Is.
Most of the flies were collected by the
use of fermented banana, at one hour inter-
vals, from sunrise to sunset for three

successive days. A total of 2440 flies were represented by 5 genera, 24 species, as given in
the accompanying table. *Amiota dispina* was noted as a new member of the *Drosophila* fauna in
Hokkaido. Abundant species were *D. lacertosa* in Yagishiri Is., *D. testacea* and *D. bifasciata*
in Rishiri Is. and *D. nigromaculata* and *D. lacertosa* in Rebun Is., respectively. Remarkable
was the fact that five species of robusta group (6 species known in Japan) were collected in
Rebun Is., most northerly of the three islands.

Table 1. Numerical data of drosophilid flies collected in the three
islands of Northern Hokkaido, August, 1965.

Species	Yagishiri Is.	Rishiri Is.	Rebun Is.*	Total
<i>Amiota alboguttata</i> f. <i>furcata</i>	-	1	-	1
<i>Amiota dispina</i>	-	1	-	1
<i>Microdrosophila cristata</i>	-	-	3 (3)	3
<i>Leucophenga quinquepulchripennis</i>	-	4	-	4
<i>Scaptomyza pallida</i>	-	2	75 (69)	77
<i>Scaptomyza apicalis</i>	-	-	4 (4)	4
<i>Scaptomyza okadai</i> **	-	-	15 (12)	15
<i>Drosophila histrioides</i>	5	8	-	13
<i>Drosophila coracina</i>	2	49	-	51
<i>Drosophila bifasciata</i>	16	376	40	432
<i>Drosophila suzukii</i>	-	4	-	4
<i>Drosophila lutea</i>	-	6	-	6
<i>Drosophila auraria</i> race A	16	7	97	120
<i>Drosophila brachynephros</i>	2	-	-	2
<i>Drosophila unispina</i>	4	-	12	16
<i>Drosophila nigromaculata</i>	40	71	224 (18)	335
<i>Drosophila testacea</i>	93	535	108	736
<i>Drosophila histrio</i>	-	3	-	3
<i>Drosophila tenuicauda</i>	-	-	17 (17)	17
<i>Drosophila lacertosa</i>	188	142	149	479
<i>Drosophila moriwakii</i>	-	35	23	58
<i>Drosophila okadai</i>	2	-	33	35
<i>Drosophila</i> sp. like <i>okadai</i> ***	4	-	16	20
<i>Drosophila pseudosordidula</i>	-	-	8	8
	372	1244	824 (123)	2440

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

** *Scaptomyza okadai* has been reported in Japan as *S. unipunctum* before.

*** *Drosophila* sp like *okadai* was first found at Toya, May, 1964, as a new species of the sixth
member of robusta group in Japan, and will have been reported as a new name, *Drosophila*
neokadai, on the *Annotationes Zoologicae Japonenses*, Vol. 39, No. 1 (in press).