

Rae, P.M.M.* and M.M. Green. University of California, Davis, California. Synaptonemal complexes in some *D. melanogaster* mutants.

On the assumption that the presence of synaptonemal complexes is correlated with the occurrence of meiotic crossing over we undertook the demonstration of complexes in meta(super)-females and ix^2 intersexes. Synaptonemal complexes morphologically inseparable from those of wild type females were found in both metafemales and ix^2 intersexes by using standard EM methods. This suggests that so far as crossing over is concerned, metafemales and ix^2 intersexes are female-like rather than male-like. Normal synaptonemal complexes were also found in ca^{nd} females lending additional support to the view that ca^{nd} is a desynapsis gene.

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Singh, A. Panjab University, Chandigarh, India. Drosophilidae of South Andamans, India.

The study of the collection from the South Andamans revealed ten species. Out of these three are novo and the remaining seven are reported for the first time from this area. The frequency distribution of the species at

five sites of collection is given in Table I.

TABLE I. FREQUENCY DISTRIBUTION OF THE VARIOUS SPECIES OF THE DROSOPHILIDAE IN THE S. ANDAMANS

Species No. and name	Frequency distribution at										Total flies		
	Port Blair		Baratang		Wright Myo		Humphrey ganj		Cowria Ghat		M	F	
	M	F	M	F	M	F	M	F	M	F			
Microdrosophila													
1 Microdrosophila sp	-	-	1	-	-	-	-	-	-	-	1	-	-
Pholadoris													
2 D. sp. novo.	2	5	8	6	5	-	2	-	-	-	17	11	-
Tanygestrella													
3 D. gracilis	25	18	90	115	118	192	5	-	3	-	241	325	-
Sophophora													
4 D. bipectinata	93	179	262	442	207	256	65	-	52	-	679	877	-
5 D. malerkotliana	4	} 23	13	} 16	6	} 34	1	-	1	-	25	} 73	-
6 D. ananassae	3		-		36		56	-	15	-	110		
7 D. sp. novo.	14	2	-	-	40	12	6	-	6	-	66	14	-
8 D. truncata	3	-	25	1	-	-	11	-	-	-	39	1	-
9 D sp. novo.	-	1	-	2	8	3	-	-	-	-	8	6	-
Drosophila													
10 D. nasuta	4	3	4	1	-	-	1	-	-	-	9	4	-
Grand Total	148	231	403	583	420	497	147	-	77	-	1195	1311	-
Period of Collection	29.2.64 to 3.3.64		12.3.64 to 22.3.64		25.3.64 to 3.4.64		4.3.64 to 8.3.64		8.4.64 to 16.4.64				
Temperature	Maximum	31.1-32.4		32.7-33.5		32.2-33.9		31.4-34.9		33.4-34.6			
	Minimum	24.5-20.5		25.7-21		26.5-21.2		23.2-21.1		25.3-23.2			
Relative Humidity	63-74%		67-75%		59-69%		40-72%		60-67%				
Rainfall	Nil		Nil		Trace		Nil		Nil				

Note: M = male, F = female; } = females both of *D. ananassae* and *D. malerkotliana*