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India. Preliminary survey of *Drosophila*
in Biligirirangana Hills (Mysore, India).

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fauna. This prompted the authors to undertake a preliminary survey of *Drosophila* in this terrain. The results of this survey are listed in the Table 1. Of the eleven spots selected for collection, the spot at 4165 feet yielded the richest haul of *Drosophila* both in number of species and density. Irrespective of the height the whole range is marooned with *Drosophila nasuta* and *Drosophila melarkotliana*. However *Drosophila rajasekari* is restricted to the lower altitudes while *D. immigrans*, *D. mysorensis* and *D. varietas* are maintained only at higher altitudes. It is an interesting fact that the density of *Drosophila immigrans* gradually ascends with the increase in height. *D. nigra* and *D. jambulina* are recorded at only one spot. Peculiarly enough *D. melarkotliana* alone was found in the traps tied at 3270 feet.

Biligirirangana Hills lie to the east of Mysore at a distance of 60 miles. The altitude from the base of the hills to the top ranges from 2525 feet to 4500 feet and has provided the cool and pleasant climate for the growth and existence of luxuriant and vast array of flora and

Table 1. A record of *Drosophila* species collected in Biligirirangana Hills

Species	Altitude in feet											Total
	2526	2985	3016	3270	3498	3838	3894	3968	4000	4165	4493	
nasuta	54	39	51	-	18	39	180	201	75	135	101	893
brindavani	87	12	-	-	-	-	6	-	8	9	6	128
immigrans	-	-	-	-	-	3	6	-	24	99	189	321
melarkotliana	138	128	28	84	63	66	18	8	51	21	33	638
rajasekari	45	72	30	-	-	-	-	-	-	-	-	147
nigra	-	-	-	-	3	-	-	-	-	-	-	3
mysorensis	-	-	-	-	-	27	33	6	12	87	10	175
jambulina	-	-	-	-	9	-	-	-	-	-	-	9
varietas	-	-	-	-	-	-	-	-	-	10	26	36
* neotruncata	-	-	-	-	14	-	-	-	-	16	-	30
takahashii	-	42	-	-	3	-	-	-	-	-	-	45
Total	324	293	109	84	110	135	243	215	170	377	365	2415

* A new species (G. Sreerama Reddy and N.B. Krishnamurthy, unpublished)

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