DIS 47-112 1971

Gupta, J.P. Banaras Hindu University, Varanasi, India. Key to Indian species of subgenus Scaptodrosophila.

During last few years taxonomists and geneticists in India have reported seven new and unrecorded species of Drosophila among which seven species belong to the subgenus Scaptodrosophila so far. A taxonomic key is given here to distinguish them with an addtional note on their distribution.

1. Mesonotum and scutellum unicolorous.....
   Mesonotum and scutellum not unicolorous.....
2. Tarsal segments of male fore legs with many long curved upright hairs
   .....latifshahi Gupta and Ray-Chaudhuri
   Tarsal segments of male fore legs with no such hairs.....
3. Mesonotum and scutellum with silvery white striations arranged longitudinally
   .....silvalineata Gupta and Ray-Chaudhuri
   Mesonotum and scutellum with scattered silvery white spots arranged longitudinally
   .....chandraprabhiana Gupta and Ray-Chaudhuri
4. Posterior parameres forming a triangular flap-like structure
   .....paratriangulata Gupta and Ray-Chaudhuri
   Posterior parameres not forming a triangular flap-like structure.....
5. Heel observable and produced into a large spur-like projection
   .....aponata Parshad and Duggal
   Heel observable but not produced into a spur-like projection.....

6. Acrostichal hairs in six rows. Or_2 less than half of vibrissa .....bryani Malloch
Acrostichal hairs in eight rows. Or_2 not differentiated .....bambuphila Gupta

Species	Source	Locality
D. chandraprabhiana	Bait	Chandraprabha (Chakia forest, Varanasi), Sirsi Dam (Mirzapur)
D. silvalineata	Bait	Chandraprabha (Chakia forest, Varanasi).
D. paratriangulata	Bait	Chandraprabha (Chakia forest, Varanasi); River Bank colony (Lucknow); Ayurvedic garden (B.H.U.).
D. latifshahi	Bait	Chandraprabha, Latifshah (Chakia forest, Varanasi); River bank colony (Lucknow).
D. ebonata	Bait	Srinagar, Pahalgam (Kashmir valley).
D. bryani	Bait and sweeping	Old Botanical garden (B.H.U.)
D. bambuphila	Bait and sweeping	Old Botanical garden (B.H.U.); Jatili near Padmapur (Berhampur).

Franklin, I.R. C.S.I.R.O. Division of Animal Genetics, Epping, N.S.W. Genetic variation at the Esterase-6 locus in D. melanogaster.

Wright (1963) in describing the Esterase-6 polymorphism in D. melanogaster reported two alleles, Est-6^S and Est-6^F. Subsequently Rodino and Martini (DIS 46:139) have reported a third allele, Est-6^V. In