TACHINID COLLECTIONS FROM SIKKIM AND DARJEELING DIST. (WEST BENGAL)

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INTRODUCTION

Tachinids are one of the important groups of Diptera because of its importance as biological control. They do parasitise other groups of insects most of which are injurious or pests. So far no consolidated work on the Tachinids of this region was done. So this work was undertaken to find out the existence of Tachinid species in this region. Specimens were collected by various survey parties of Z. S. I. previously and also by the author (1980). Though the material were not very exhaustive yet it reflects the pattern of species existing in this region. Their state wise distribution in India has also been given here.

SYSTEMATIC ACCOUNT

Family TACHINIDAE
Subfamily PHASIINAE

Genus Hermya Robineau-Desvoidy

Hermya beelzebul (Widemann)

1830. Tachina beelzebul Widemann, Aussereuropäische Zweiflügelige Insekten, 2. 301.

Material: 1 ♀, Kurseong, Darjeeling dist., 4.viii.08, N. A., 1 ♂, Sukna, Darjeeling dist., 2.vii.08 N. A.

Remark: This species is a new record for the area. Previously reported from Assam, Himachal Pradesh, Madras.

Subfamily PROSENINAE

Genus Dexia Meigen

Dexia extendens Walker


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Remark: This species is a new record for the area. Previously reported from Assam.

**Dexia flavida** (Townsend)


Material: 1♀, Darjeeling, 12.vi.14, F. H. Gravely.

Remark: This species is a new record for India.

**Genus Prosenia** Le Peletier & Serville

**Prosenia siberita** (Fabricius)


Distribution: Assam, Andhra Pradesh, Madras, West Bengal.

**Subfamily TACHININAE**

**Genus Thelaira** Robineau-Desvoidy

**Thelaira macropus** (Wiedemann)


Distribution: Assam, Himachal Pradesh, Kashmir, West Bengal.

**Genus Atylostoma** Brauer and Bergenstamm

**Atylostoma tricolor** (Mik)


Material: 1♀, Sikkim, ?, A. V. Knyvett.

Remark: This species is a new record for India.
Genus *Dolichocoxys* Townsend

**Dolichocoxys femoralis** Townsend


*Material*: 1 ♂, Darjeeling, 29.v.10, Brunetti; 1 ♂, Darjeeling, 1.v.17, Brunetti; 1 ♂, Darjeeling, 2.vi.17, Brunetti; 1 ♂, Darjeeling, 6.vi.17, Brunetti.

*Remark*: This species is a new record for India.

Genus *Janthinomyia* Brauer and Bergenstamm

**Janthinomyia felderi** B & B


*Distribution*: Uttar Pradesh, West Bengal.

Genus *Servillia* Robineau-Desvoidy

**Servillia ursinoides** Tothill


*Distribution*: Assam, Uttar Pradesh, West Bengal.

Subfamily GONIINAE

Genus *Eophyllophila* Townsend

**Eophyllophila elegans** Townsend


*Material*: 1 ♂, Darjeeling, 29.ix.08, Brunetti.

*Remark*: This species is a new record for India.
Genus Meigenia Robineau-Desvoidy

Meigenia velutina Mesnil


Material: 1 ♂, Darjeeling, 28. v. 10, Brunetti.

Remark: This species is a new record for India.

Genus Exorista Meigen

Exorista japonica (Townsend)


Material: 1 ♂, Rangirroom, 30.ix.76, A.N.T. Joseph ; 1 ♀, Topkhana, Kalimpong, 21.ix.80, B. C. Das.

Distribution: Mysore, West Bengal.

Genus Blepharipa Rondani

Blepharipa zebina (Walker)


Material: 2 ♀, Deonali, Sikkim, 23.ix.76, A. N. T. Joseph ; 1 ♂, Sukna, Darjeeling dist. 2.viii.08, N. A. ; 1 ♂, Sureil, 11-31.x.17, N. A. & F. G. ; 1 ♀, Tista Bazar, 23.ix.80, B. C. Das.

Remark: This species is a new record for this area. Previously recorded from Assam, Bihar, Kerala, Madras, Uttar Pradesh.

Genus Isosturmia Townsend

Isosturmia picta (Baranov)


Material: 1 ♂, Kalimpong, Darjeeling Dist., 20.ix.80, B. C. Das.

Remark: This species is a new record for India.
Genus **Phryxe** Robineau-Desvoidy

**Phryxe heraclei** (Meig.)


**Material**: 1♂, Ghoom, Darjeeling dist., 27.ix.78, A. N. T. Joseph.

**Remark**: This species is a new record for India.

**Summary**

In the present collections subfamily Tachininae and Goniinae are well represented in almost equal proportions and only proseninae are represented slightly less in number. The total number of Tachinid species till now reported from this area stands at 36. From the present study it is revealed that 7 species are new record for India and 3 species are new record for the region. As this group is very important for biological control the findings of this species will enable us to know the natural complex of this group in relation to host species of different insect groups of this region in future.

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**References**


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