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A CONTRIBUTION TO THE DIPTEROUS FAUNA OF CENTRAL INDIA

By

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The insects belonging to the various families under the order Diptera are found on flowers feeding on nectar, in decaying organic matter, predated on other insects, sucking blood of man and cattle, causing or spreading diseases and leading a parasitic life (Pruthi, 1969). With a view to study the distribution of dipterous insects, the following specimens were collected from the localities and date mentioned against each during the period 1962 to 1968. The localities mentioned represent the same topographical features. Flies belonging to the families agromyzidae, tephritidae, syrphidae and muscidae have already been reported from these localities (Gokulpure, 1966, 1969, 1971, 1972, 1973, a and b). (Abbreviations used: M.P.—Madhya Pradesh. U.P.—Uttar Pradesh)

Sl.No.	Name of the specimen	Locality	Date of collection
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1. Asilidae

The flies are predaceous on other insects particularly muscides and capture their prey largely on wings.

1.	<i>Clephidroneura flavicornis</i> Macq. var. <i>fusca</i> Old.	Damoh, M.P.	15.7.1966
2.	<i>Laphystia</i> sp.	Mirzapur, U.P.	19.6.1966
3.	<i>Iaxenecera flavibarbis</i> Macq.	Jabalpur, M.P.	5.8.1967
4.	<i>Michotamia aurata</i> Fab.	Mirzapur, U.P.	16.7.1968
5.	<i>Nusa aequalis</i> Walk.	Damoh, M.P.	14.7.1966
6.	<i>Ommatius</i> sp.	Damoh, M.P.	14.7.1966

2. Bombolidae

The adults make a loud buzzing noise when captured, and remain hovering stationary in one place during flight.

1.	<i>Anthrax distigma</i> Wied.	Mirzapur, U.P.	12.7.1968
2.	<i>A. duvaucelii</i> Macq.	Damoh, M.P.	29.7.1967
3.	<i>A. intermedia</i> Brun.	Damoh, M.P.	31.1.1967
4.	<i>Aphobantus ceylonicus</i> Brun.	Damoh, M.P.	14.8.1967
5.	<i>Bombylius dives</i> Bigot.	Damoh, M.P.	26.6.1966
6.	<i>B. maculatus</i> Fab.	Damoh, M.P.	3.8.1966
		Mirzapur, U.P.	12.7.1968
7.	<i>Dischistus splendens</i> Brun.	Damoh, M.P.	24.7.1966
		Mirzapur, U.P.	1.8.1968
8.	<i>Exoprosopa siva</i> Nurse.	Damoh, M.P.	28.1.1967
9.	<i>Geron argentifrons</i> Brun.	Mirzapur, U.P.	11.7.1968

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10.	<i>Litorrhynchrs collaris</i> Wied.	Jabalpur, M.P.	20.9.1966
11.	<i>Thyridanthrax</i> sp.	Damoh, M.P.	6.1.1967
12.	<i>Villa</i> sp.	Damoh, M.P.	27.6.1966
3. Calliphoridae			
1.	<i>Bengalia jejuna</i> Fab.	Damoh, M.P.	19.8.1966
2.	<i>Chrysomyia megacephala</i> Fab.	Damoh, M.P.	12.1.1967
3.	<i>C. rufifacies</i> Macq.	Damoh, M.P.	28.9.1962
4.	<i>Cosmina aenea</i> Fab.	Damoh, M.P.	27.7.1967
5.	<i>C. bicolor</i> Walk.	Damoh, M.P.	11.5.1966
6.	<i>Hemipyrellia pulchra</i> Wied.	Damoh, M.P.	26.7.1967
7.	<i>Rhinia melanostoma</i> Wied.	Damoh, M.P.	6.7.1966
8.	<i>R. xanthogaster</i> Wied.	Damoh, M.P.	14.3.1966
9.	<i>Rhynchomyia pollinosa</i> Towns.	Damoh, M.P.	20.12.1966
<p><i>C. megacephala</i> and <i>C. rufifacies</i> were attracted to honeydew secreted by the lac insect, <i>Kerria lacca</i> (Kerr)</p>			
4. Chaemyiidae			
1.	<i>Leucopsis</i> sp.	Damoh, M.P.	31.1.1967
5. Chironomidae			
1.	<i>Clinotanypus</i> sp.	Damoh, M.P.	10.9.1966
2.	<i>Chironomus</i> sp.	Damoh, M.P.	6.9.1966
6. Chloropidae			
1.	<i>Conioscinella</i> sp.	Damoh, M.P.	5.8.1966
2.	<i>Lasiopleura zeylanica</i> Lamk.	Damoh, M.P.	11.8.1966
		Mirzapur, U.P.	12.7.1968
3.	<i>Oscinella</i> sp.	Mirzapur, U.P.	25.7.1968
4.	<i>Pachylophus</i> sp.	Damoh, M.P.	28.12.1966
5.	<i>Rhodesiella subditicus</i> Lamb.	Damoh, M.P.	23.1.1967
6.	<i>Siphunculina funicola</i> deM.	Damoh, M.P.	15.8.1962
7. Culicidae			
1.	<i>Aedes (Stegomyia) albopictus</i> Skuse.	Damoh, M.P.	7.7.1966
2.	<i>Culex (Lutzia) fuscanus</i> Wied.	Damoh, M.P.	15.7.1966
3.	<i>C. (Lutzia) raptor</i> Edw.	Damoh, M.P.	22.8.1966
8. Diopsidae			
1.	<i>Sphyracephala hearsiana</i> Westw.	Damoh, M.P.	6.8.1966
9. Dolichopodidae			
The adults are abundant near water.			
1.	<i>Diaphorus</i> sp.	Damoh, M.P.	14.8.1967

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10. Drosophilidae			
1.	<i>Drosophila repleta</i> Woll.	Damoh, M.P.	8.2.1967
2.	<i>Leucophenga</i> sp.	Damoh, M.P.	23.7.1966
11. Empididae			
1.	<i>Empis (Coptophlebia)</i> sp.	Damoh, M.P.	18.8.1966
2.	<i>Thecophora flavipes</i> Brun	Damoh, M.P.	25.7.1967
12. Ephydriidae			
1.	<i>Actocetor mergaritatus</i> Wied.	Bamhani, M.P.	12.6.1967
2.	<i>Camptoprosopella</i> sp.	Mirzapur, M.P.	15.7.1968
3.	<i>Cestrotus</i> sp.	Damoh, M.P.	9.8.1967
4.	<i>Nostima</i> sp.	Mirzapur, U.P.	19.7.1968
5.	<i>Paralimna</i> sp.	Damoh, M.P.	14.8.1967
6.	<i>Scatella</i> sp.	Damoh, M.P.	30.3.1967
13. Hippoboscidae			
The members are common on cattle and dogs.			
1.	<i>Hippobosca longipennis</i> Fab.	Jabalpur, M.P.	13.6.1966
14. Lanchaeidae			
1.	<i>Silba</i> sp.	Damoh, M.P.	6.8.1966
15. Lauxaniidae			
1.	<i>Homoneura bistrata</i> Kert.	Mirzapur, U.P.	25.7.1968
16. Milichiidae			
1.	<i>Desmometopa palpalis</i> deM.	Damoh, M.P.	7.7.1966
2.	<i>Leptomotopa</i> sp.	Damoh, M.P.	20.12.1966
3.	<i>Meoneura baluchistani</i> Duda.	Damoh, M.P.	10.2.1967
17. Mycetophilidae			
1.	<i>Leia</i> sp.	Damoh, M.P.	14.8.1966
2.	<i>Platyura</i> sp.	Damoh, M.P.	23.7.1966
18. Piophilidae			
1.	<i>Piophila ruficornis</i> Wulp.	Mirzapur, U.P.	15.7.1968
19. Pipunculidae			
1.	<i>Pipunculus</i> sp.	Damoh, M.P.	28.1.1967
20. Platypezidae			
1.	<i>Platypeza argyrogya</i> deM.	Damoh, M.P.	15.7.1966
21. Platystomatidae			
1.	<i>Rivellia</i> s.p.	Damoh, M.P.	5.7.1966

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22. Psilidae			
1.	<i>Chyliza pallidipes</i> Lamb.	Damoh, M.P.	17.2.1967
23. Sarcophagidae			
1.	<i>Dolichotachina marginella</i> Wied.	Damoh, M.P.	19.7.1966
		Mirzapur, U.P.	18.7.1968
2.	<i>Pachyophthalmus</i> sp.	Damoh, M.P.	14.8.1962
3.	<i>Sarcophaga futilis</i> S.W.	Damoh, M.P.	21.7.1966
4.	<i>S. martellata</i> S.W.	Damoh, M.P.	21.7.1966
5.	<i>S. ruficornis</i> Fab.	Damoh, M.P.	6.1.1966
6.	<i>Trichophylloteles hvalipennis</i> Bar.	Damoh, M.P.	18.7.1966
	<i>Pachyophthalmus</i> sp. was reared from the larva of <i>Eumenes pyriformis</i> Fab. (Hymenoptera: Vespidae) encased in a earthen cell.		
24. Sciaridae			
1.	<i>Bradysia</i> sp.	Damoh, M.P.	12.8.1966
25. Sciomyzidae			
1.	<i>Sepedon crishna</i> Walk	Mirzapur, U.P.	14.7.1968
26. Sepsidae			
1.	<i>Saltella metatarsalis</i> Brun	Damoh, M.P.	19.7.1966
2.	<i>S. setigera</i> Brun	Damoh, M.P.	16.6.1966
27. Spaeroceridae			
1.	<i>Leptocera</i> sp.	Damoh, M.P.	4.2.1966
28. Stratiomyidae			
1.	<i>Adoxonyia heminopla</i> Wied.	Damoh, M.P.	20.3.1967
		Mirzapur, U.P.	17.9.1968
2.	<i>Clitellaria heminopla</i> Wied	Damoh, M.P.	4.3.1966
3.	<i>Microchrysa flaviventris</i> Wied	Damoh, M.P.	25.7.1967
4.	<i>Odontomyia angustil mbata</i> Brun.	Damoh, M.P.	28.7.1967
5.	<i>O. rubrithorax</i> Macq	Damoh, M.P.	17.2.1967
29. Tabanidae			
1.	<i>Chrysops dispar</i> Fab.	Mirzapur, U.P.	18.7.1968
2.	<i>C. pellucida</i> Fab.	Jabalpur, M.P.	20.1.1966
		Mirzapur, U.P.	17.7.1968
3.	<i>Haematopota cana</i> Walk	Jabalpur, M.P.	13.7.1966
4.	<i>H. immaculata</i> Ric.	Damoh, M.P.	10.8.1966
5.	<i>H. roralis</i> Fab.	Jabalpur, M.P.	12.9.1966
6.	<i>Tabanus hilaris</i> Wlk.	Damoh, M.P.	14.8.1962
7.	<i>T. jucundus</i> Wlk.	Damoh, M.P.	14.8.1962
8.	<i>T. striatus</i> Fabr.	Jabalpur, M.P.	10.8.1957

T. hilaris, *T. jucundus* and *T. striatus* were attracted to honeydew secreted by the lac insect, *K.a. lacc*

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30. Tachinidae

The tachinid flies are parasitic in their larval stages on pests of agricultural and forest crops of importance. Gokulpure (1969) reared 8 tachinids at Damoh, M.P.

1.	<i>Blepharipa zebina</i> Walk.	Mirzapur, U.P.	12.6.1968
2.	<i>Carcel'a</i> sp.	Jabalpur, M.P.	13.7.1966
3.	<i>Hamoxia</i> sp.	Damoh, M.P.	4.7.1966
4.	<i>Sisyropa</i> sp.	Jabalpur, M.P.	11.9.1966
5.	<i>Stomatomyia hezziana</i> Bar.	Mirzapur, U.P.	25.7.1968
6.	<i>Sturmia convergens</i> Wied.	Mirzapur, U.P.	17.7.1968
7.	<i>Sumpigaster</i> sp.	Mirzapur, U.P.	7.6.1968
8.	<i>Thelai osoma</i> sp.	Damoh, M.P.	13.12.1965
9.	<i>Trigonospila</i> sp.	Damoh, M.P.	28.1.1967
10.	<i>Zygothria ciliata</i> Wulp.	Damoh, M.P.	25.7.1967

31. Tephritidae

The destruction caused by the maggots of the flies are very severe to fruits and vegetables.

1.	<i>Carbomyia vesuviana</i> Costa.	Mirzapur, U.P.	14.7.1968
2.	<i>Dacus cucurbitae</i> Coq.	Jabalpur, M.P.	14.9.1966
3.	<i>D. diversus</i> Coq.	Damoh, M.P.	28.1.1967
4.	<i>D. (Zeugodacus) duplicatus</i> Bezzi.	Damoh, M.P.	13.8.197
5.	<i>Dioxyna sororcula</i> Wied.	Damoh, M.P.	17.12.1966
6.	<i>Rhidochaeta mucronata</i> Her.	Bamhani, M.P.	1.7.1967
7.	<i>Sphenisomyia sexmaculata</i> Macq.	Damoh, M.P.	8.2.1967

D. sororcula was observed to visit flowers of *Careopsis* sp. and mate very frequently during day which lasted for half an hour.

32. Therevidae

1.	<i>Phycus canescens</i> Wlk.	Damoh, M.P.	20.3.1967
2.	<i>Psilocephala sequa</i> Walk.	Damoh, M.P.	28.12.1966

33. Ulididae

1.	<i>Physiphora aenea</i> Fab.	Damoh, M.P.	16.10.1962
2.	<i>P. demandata</i> Fab.	Damoh, M.P.	7.7.1966

34. Xylomyiidae

1.	<i>Xylomyia flaviceps</i> Dol.	Mirzapur, U.P.	14.8.1968
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CORRIGENDA

Ref:—*Indian Forester*—September, 1974—Convocation of Indian Forest College and Northern Forest Rangers College held on 2nd March, 1974.

- (i) Page 574—Line 19 from top, insert the words between "Education" and "to"—"To read out the Convocation Address of Shri Annasaheb P. Shinde, Union Minister of State for Agriculture and".
- (ii) Page 581—Line 8 from bottom, substitute "Shri Lahiri" for "Hon'ble Minister"
- (iii) Page 585—Line 13 from top, substitute "Shri Lahiri for "Hon'ble Minister"

Hony. Editor