

## Short Communication

### Additions to Grasshopper Fauna of Rajasthan State

D.R. Parihar

Central Arid Zone Research Institute, Jodhpur 342 003, India

The grasshopper (Acridoidea) fauna of Rajasthan has until recently been practically unknown. The first mention is by Pruthi and Bhatia (1952) who listed only nine species in the desert region namely *Acrida exaltata* wlk, *Oedaleus* sp., *Sphingonotus* sp., *Hieroglyphus nigrorepletus* Bol, *Chrotogonus* sp., *Cyrtacanthacris tatarica* wlk., *Catantops* sp., *Orthacanthacris* sp., *Poecilocerus pictus* Fbr. Subsequently, fourteen species have been listed from the Rajasthan (Venkatesh, 1977). An intensive collection and grasshopper study was undertaken around Udaipur district (Kushwaha, 1977). From 1978-92 study on ecology and faunistic survey of grasshopper was undertaken at CAZRI which resulted in collection and identification of 36 species of grasshoppers from arid and semi-arid parts of Rajasthan. It also followed monographic publications (Parihar, 1984, 1987). Kushwaha (1977) recorded 22 species of grasshoppers from comparatively humid zone.

The classification of grasshoppers has been prepared in accordance with Dirsh (1965) with little modification. For the convenience of non-taxonomists all genera and species mentioned are given under each family and sub-family with their full scientific name.

Some of the species collected by Kushwaha (1977) are found common with the desert fauna and it is worthwhile to describe here total number of species found in Rajasthan State as follows:

#### Family I. Pyrgomorphidae

1. *Tenuitarsus orientalis* (Kevan)
2. *Chrotogonus trachpterus* (Blanchard)
3. *Pyrgomorpha bispinosa deserti* (Bei-Bienko)

4. *Atractomorpha crenulata* (Fabricius)
5. *Poecilocerus pictus* (Fabricius)

#### Family II. Acrididae

##### I. Sub family : Hemiacridinae

6. *Hieroglyphus nigrorepletus* (Bolivar)
7. *Spathosternum prasiniferum* (Walker)

##### II. Sub-family : Catantopinae

8. *Catantops pinguis innotabilis* (Walker)
9. *C. karnyi* (Kirby)\*\*
10. *C. indicus* (Uvarov)
11. *C. pinguis pinguis* (Stoal)

##### III. Sub-family : Acridinae

12. *Acrida exaltata* (Walker)
13. *Chloebora crassa* (Walker)
14. *C. marshalli* (Henry)
15. *Orthoetha indica* (Uvrov)
16. *Gonista* sp.
17. *Phlaeoba infumata* (Brunner)

##### IV. Sub-family : Oedipodinae

18. *Acrotylus humertianus* (Saussure)
19. *A. inficitus* (Walker)
20. *Oedaleus abruptus* (Thunberg)
21. *O. senegalensis* (Krauss)
22. *Trilophidia annulata* (Thunberg)
23. *Aiolopus simulatrix* (Walker)\*
24. *A. thalassinus* (Fabricius)\*
25. *Sphingonotus rebescens* (Walker)
26. *S. Savighyi* (Saussure)
27. *S. indus* (saussure)\*
28. *S. caeruleans* (Linneus)\*

29. *Ditoptemis* sp.\*

V. Sub-family : Coptacridinae

30. *Eucoptacra praemorsa* (Stoal)

31. *E. saturata* (Walker)\*\*

VI. Sub-family : Eypreocerminae

32. *Eypreocremis alacris impicta* (Uvarov)

33. *Choroedocus illustris* (Walker)

34. *Heteracris littoralis* (Rambur)

35. *H. pulchra* (Bolivar)\*\*

36. *Cataloipus indicus* (Uvarov)

VII. Sub-family : Gomphocerinae

37. *Aulacobothrus* sp.

VIII. Sub-family : Truxalinae

38. *Leva indica* (Bolivar)

39. *L. cruciata* (Bolivar)\*\*

40. *Truxalis eximia eximia* (Eichwald)

41. *Ochrilidia affinis* (Salfi)

IX. Sub-family : Cyrtacanthacrinae

42. *Anacridium rubrispinus* (Bei-Benko)

43. *Cyrtacanthacris tatarica* (Linneus)

44. *Oxya ebneri* (Willemse)

45. *Teratodes monticollis* (Gray)\*

Species (or sub-species) with one asterisk (\*) are additional records and those with two asterisk (\*\*\*) are new records from India.

This considerable increase in grasshopper fauna has brought out the fact that even an arid area can sustain a great variety of grasshoppers which shows considerable resistance of grasshoppers to arid climate.

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