

MISCELLANEOUS PUBLICATION
OCCASIONAL PAPER NO. 78

Records of the Zoological Survey of India

**Outline of distribution with an Index Catalogue of
Indian Grasshoppers (Orthoptera : Acridoidea)**

by

H. K. BHOWMIK

**Issued by the Director
Zoological Survey of India, Calcutta**

**RECORDS
OF THE
ZOOLOGICAL SURVEY OF INDIA**

MISCELLANEOUS PUBLICATION

OCCASIONAL PAPER NO. 78

By

H. K. BHOWMIK

Zoological Survey of India, Calcutta.



Edited by the Director, Zoological Survey of India
1985

© *Copyright, Government of India, 1985*

Published : October, 1985

PRICE : *Inland :* Rs. 30.00

Foreign : £ 4.00 \$ 6.00

**Printed in India at Sadhana Art Printers, 52/9, B. B. Ganguly Street,
Calcutta-12 and Published by the Director, Zoological Survey of India.**

**RECORDS
OF THE
ZOOLOGICAL SURVEY OF INDIA**

MISCELLANEOUS PUBLICATION

Occasional Paper

No. 78

1985

Pages 1—51

CONTENTS

			<i>Page</i>
INTRODUCTION	...	...	1
STATUS OF THE SUBFAMILIES	...	...	2
OUTLINE OF DISTRIBUTION	...	...	4
CATALOGUE	...	...	7
SUMMARY	...	...	43
REFERENCES	...	...	44
INDEX	...	...	47

**OUTLINE OF DISTRIBUTION
WITH AN INDEX-CATALOGUE OF
INDIAN GRASSHOPPERS
(ORTHOPTERA : ACRIDIDAE)**

**Part I. Subfamilies : Acridinae, Truxalinae, Gomphocerinae and
Oedipodinae**

By

H. K. BHOWMIK

Zoological Survey of India, Calcutta-700016

INTRODUCTION

Since Kirby's Catalogue (1910) and his posthumous publication of "*Fauna of British India including Ceylon and Burma, Orthoptera Vol. I*" (1914), both these two works being now out dated for any practical purpose, there had been no significant contribution towards the systematics and taxonomical studies of Indian grasshoppers and locusts, though there are spectacular progress in these studies elsewhere. With the accumulation of knowledge, as time progressed, it has been seen a large numbers of genera and species dealt with in these basic literatures have interchanged their systematic positions, some even at subfamily level. Besides, a good numbers of species that have been described afterwards in scattered literature and as a result of revisionary works of genera, it is extremely difficult for an Indian scientists to start working.

To fill up these lacunae of informations, this catalogue including an outline of distribution has been thought of. It is hoped that this work will visualise manifold confused and complex problems on systematics of these orthodox subfamilies of Indian fauna and will provide ready and consolidated informations to the intended workers. Further, such a work is expected to trigger off the necessary impetus for the first stage of a comprehensive revision of Indian species.

Therefore, this catalogue aims at compiling all the genera and species of the Indian subfamilies characterized by having usually smooth prosternum (with rare exception) i.e., Acridinae, Truxalinae, Gomphocerinae and Oedipodinae, known at present to occur or most likely to occur in India. "India" here means the present political boundary of the country. Though some genera and species of adjoining countries like Sri Lanka, Burma and Pakistan etc, having great affinity with Indian fauna, likely to occur in India could not but recording.

All the species are listed alphabetically under the genera to which they have been assigned in the most recent literature : the genera are also alphabetically arranged. Generic synonyms and deliberate variations in spelling are listed chronologically under the valid generic name. Each genus and generic synonym(s) include a reference to the original description. The citation of the type-species of the valid genus and the distributional range of the genus are also included.

Similar treatment to that of the genera has been provided for all species and subspecies. Besides, the work further includes all authentic full bibliographical papers on the taxonomy and distribution of the species : this is designed to serve the purpose of a bibliography.

The distributional pattern of the species forms a sound foundation to understand the systematics of a particular fauna. Hence with a view to having a good understanding, an outline of the Zoo-geography of the genera and species is provided, pointing out the affinity of Indian populations with adjacent countries. Further, comments have been made on the probable routes of migration of the Indian genera and species through million of years of geological ages and the result of this confluence in the central parts of India.

STATUS OF THE SUBFAMILIES

In his masterly classification 'Revision of the Orthoptera' Brunner von Wattenwyl (1893) admits nine subfamilies of the grasshoppers. But to the later workers the classification of grasshoppers and locusts have proved to be a very difficult subject and experts often hold divergent opinions to each other. Specially there is hardly any agreement about the interrelation of the older subfamilies Acridinae and

Oedipodinae of Brunnerian concept. In fact there is no all recognised and approved character(s) by which these two subfamilies could be separated for morphological intermediates (overlapping) between these 2 subfamilies are frequent.

Uvarov (1942) segregates subfamilies Acridinae and Oedipodinae based on general body form, degree of facial angle and chiefly on the presence and absence of stridulatory mechanism (pegs on a special ridge of hind femur) which Rehn (1953) rejects saying Uvarov's postulation is only an orthodox determinant and it has definite exceptions in most faunae. Dirsh (1956) opines, after studying phallic complex in Acrididae, that subfamily Acridinae includes those genera placed under tribe Acridini (Dirsh, 1950) with the addition of former subfamily Oedipodinae. Dirsh (1961) again gives preliminary revision of subfamilies. Rehn and Grant (1959, 1960), disagree after critical study of a large numbers of American genera that there is no uniform characters, even the phallic structures as Roberts (1941) had already opined, to clearly separate these subfamilies. Dirsh (1965) has elaborated his previous classifications of these insects and divides them as S.F. Truxalinae (with stridulatory file) and S.F. Acridinae (Devoid of stridulatory file). Uvarov (1966) further elaborates Dirsh's (1965) classification by segregating Truxalinae (sensu Dirsh 1965) into S.Fs. Gomphocerinae and Truxalinae, and, Acridinae (sensu Dirsh 1965) into subfamilies Acridinae and Oedipodinae.

Though some experts (viz Jago 1971) except Uvarov's (1966) division of Truxalinae but finds no reason for dividing the subfamily Acridinae (sensu Dirsh 1965). However, I find it most convenient to follow Uvarov's classification (1966) for Indian species of grasshoppers and locusts so far described. The key to segregate the Indian elements may be briefly stated as follows :—

Features common to all subfamilies dealt with are prosternum usually smooth, rarely with slightly raised collar or small tooth-like process, e.g., *Gelastorrhinus*; if armed with a process then the antennae ensiform or body strongly elongate except the genus *Gelastorrhinus*; ancorae of epiphallus developed into separate sclerites.

KEY TO SUBFAMILIES

- | | | | |
|---|-----|-----|---------------|
| 1. Stridulatory file present in posterior femora | ... | ... | 2 |
| Stridulatory file absent | ... | ... | 3 |
| 2. Consists of a series of peg like hairs along inner lower side of posterior femora | ... | ... | Gomphocerinae |
| Consists of unmodified hairs lying between peg like cuticular expansions | ... | ... | Truxalinae |
| 3. Head with a more acute profile. Face usually retreating and angulate, rarely subvertical and generally angulate at fastigiofacial angle ; fastigium usually but little declivent ; eyes generally longer than infra ocular area of genae ; tegmen without intercalary vein (if present, weak, irregular and not serrated even in male) | ... | ... | Acridinae |
| Head with a rounded profile. Face almost vertical, rarely oblique and generally broadly rounding over fastigiofacial angle into fastigial profile ; fastigium usually strongly declivent ; eyes shorter than infra ocular portion of genae ; tegmina always with an intercalary vein in medial area (mostly well developed) | ... | ... | Oedipodinae |

OUTLINE OF DISTRIBUTION

The strength of the species of the four subfamilies dealt with here is as follows :

Acridinae	17 genera	34 species	2 subspecies
Truxalinae	1 genus	2 species	1 subspecies
Gomphocerinae	14 genera	33 species	1 subspecies
Oedipodinae	24 genera	33 species	15 subspecies
Total	56 genera	102 species	19 subspecies

Out of total 56 genera, 15 genera (27%) are indigenous (marked with single*) (table 1). Genus-wise, the African grasshoppers exhibit maximum affinity with Indian grasshoppers. About 23 Indian genera show remarkable resemblance to African ones, besides the genera *Gelastorrhinus*, *Holopercna*, *Orthochta* and *Azarea* which have representatives restricted solely to both these regions. Similarly, in order of numerical merit, other oriental countries have 22 genera in common with Indian fauna, in addition, having the genera *Caracris*, *Gonista* and *Pternoscirta* being restricted to these

regions only. Among the neighbouring countries, Sri Lanka shows maximum likeness to Indian Fauna and this is quite reasonable. The South Indian fauna has almost always a representative in that country. About 15 genera along with other cosmopolitan genera have affinity with Sri Lankan fauna, of which the genera *Paraduronia*, *Paraphlaeoba* and *Zygophlaeoba* are restricted solely to these two countries. Similarly Burma has 16 genera, Pakistan and Palaearctic region have 17 genera each, common with Indian fauna. Out of total 56 genera, only 3 old world genera and 9 cosmopolitan genera are represented in India. Australian fauna is rather poorly represented in India, at least in respect to the fauna concerned in this communication.

An analysis of species composition reveals that about 45% (56 species marked with double **) of it is yet strictly restricted to India. The distribution-pattern of these species when viewed on zonal basis, for which India may be divided into 4 zones, the northern zone (N) comprising of Kashmir, Himachal Pradesh, Punjab, Haryana and Uttar Pradesh, the eastern zone (E) with Bihar, Orissa, West Bengal, Sikkim and North-eastern states, the southern zone (S) consisting of Tamil Nadu, Kerala, Karnataka and Andhra Pradesh and finally the western zone (W) with Rajasthan, Gujarat, Maharashtra and Madhya Pradesh, shows that the southern zone is well represented with 45 species recorded so far from there ; the next is eastern zone having 38 species. The northern zone is with 29 species and the western zone being minimum having only 26 species so far known.

In the southern zone, Tamil Nadu including Nilgiri Hills etc, is to some extent, thoroughly worked out and highest number of species have been described from this state. Other states of the zone is yet less explored and there is great potentiality. Among the states of eastern zone, North Bengal (Darjeeling) is rather thoroughly investigated. The north-eastern states belonging to Eastern Himalayas needs carefully probing for better results. In the northern zone which includes Western Himalayas has produced a good number of interesting species, with further scope of investigation.

The western zone is rather poorly represented, though, this zone is likely to provide with many interesting and varied grasshopper species. Rajasthan is, in particular, must be a very favourite abode for these insects. But unfortunately very little systematic work has

been done on this group from the state. The drier habitats of the zone, if properly investigated, are sure to yield good result. Except 'Bombay' all the remaining areas of the zone is at present virtually little known. 17 species is described from 'India' without any exact locality.

In conclusion of this remarks on the broad distribution of grasshoppers of India, it can be safely commented upon that Indian fauna of those insects are very inadequately known ; same is the case with Burmese and other Far east countries. Unless and until further detailed study of these countries, the picture of distribution pattern of these insects will not be clear enough. Indian and African faunae must have strong affinities, while chief route of Palaearctic acridid migration might have involved, originating in the Angara continent of geologists, a movement eastwards to the Himalayas, from western to eastern via the Central Himalayas (Bhowmik and Halder, 1984). Another route might be through mid and southern Asia to deserts of Rajasthan, with further south-western migration to drier parts of the western zone. The Sri Lankan and South Indian elements are presumably arose from same oriental or closely related stock or stocks and have only isolated in recent geological age.

All the three main routes of migration must have a confluence in the central parts of India due to million of years local migrations and for other reasons. This opinion is further strengthened by the collection of a recent survey by me from North-east districts of Andhra Pradesh (chiefly Araku Valley) in the fact that some of the species previously having restricted distribution in Northern India, for example, *Orthochta indica* Uvarov (Delhi, Nagpur, Himachal Pradesh), *Gonista filata* (Walker) (North India), *Mesopsis cylindricus* (Kirby) (Pusa and Chapra of Bihar), *Leptacris vittata* (Fabr) (North Bengal ; China and Indonesia), *Eyprepocnemis rosea* Uvarov (Simla ; Dehra Dun and Shillong), *Chondracris rosea* (De Geer) (Darjeeling and Punjab) have been recorded from Andhra Pradesh. This only indicates the probability that the Central parts of India, and to some extent to other regions, admit an admixture of grasshopper-population.

ACKNOWLEDGEMENTS

The author owes his indebtedness to the Director, Dr. B. K. Tikader, Ph.D., D.Sc., of the Zoological Survey of India, Calcutta, for working facilities. His sincere and heartfelt gratitude is due to Dr. N. D. Jago, Tropical Development and Research Institute, London, who has been kind enough to go through the mss, sent to him, suggesting some practical improvement. Dr. Jago has suggested inclusion of some species which has been complied with except the species *Julea similis* Uvarov, *J. crucigera* Uvarov, which on further probing seems yet unpublished (Dr. Jago's personal communication); and *Julea subrufescens* (Walker, 1871) being without exact locality and *Duroniella volucris* Uvarov, 1938, as so far known only from Iraq and Iran. Last but not the least, my sincere thanks go to Shri P. K. Paul, typist, for painful work of typing the mss repeatedly.

CATALOGUE

Order ORTHOPTERA

Superfamily ACRIDOIDEA

Family ACRIDIDAE

Subfamily ACRIDINAE (sensu Uvarov, 1966)

Genus *Acrida* Linne, 1758

Gryllus (*Acrida*) Linne, 1758. *Syst. nat.*, 10th ed : 427.

Acrida (partim) Stal, 1873. *Recens. Orth.*, 1 : 104 ; Burr
(partim) 1902. *Trans. R. ent. Soc. Lond.*, 2 : 149 ; Kirby
(partim) 1910. *Syn. Cat. Orth.*, 3 : 90.

Acrida Dirsh, 1954. *Bull. Soc. Fouad 1er. Entom.*, 38 : 107-160.

Type species : *Gryllus* (*Acrida*) *turritus* Linne, 1758.

Distribution : Africa ; Australia ; Japan ; Southern part of Asia ; Southern part of Europe ; The Australasian Archipelago.

Acrida exaltata (Walker, 1859)

Truxalis exaltata Walker, 1859. *Ann. Mag. nat. Hist.*, 4(3) : 222.

- Truxalis brevicollis* Bolivar, 1893. *Feuille Jeunes Nat.*, 27 : 162, no. 8.
Acrida lugubris Burr, 1902. *Trans. R. ent. Soc. Lond.*, 2 : 170, n. 13.
Acrida curta Uvarov, 1936. *Linn. Journ. Zool.*, 39 : 536.
Acrida exaltata : Kirby, 1914. *Fauna British India, Orth.*, 1 : 99, fig. 80; Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 481; *ibid.*, 1925. *J. and Proc. Asiat. Soc. Beng.*, 20(6) : 318; *ibid.*, 1927. *Rec. Indian Mus.*, 29(4) : 233; *ibid.*, 1927. *Spolia Zelan.*, 14(1) : 97; *ibid.*, 1929. *Revue suisse Zool.*, 36 : 535; Dirsh, 1954. *Bull. Soc. Fouad. ler Entom.*, 38 : 149-151, fig. 16; Bey-Bienko, 1963; 271; *ibid.*, 1968. *Rev. Ent. URSS*, 47 : 125.

Distribution : India (Assam ; Bihar ; Himachal Pradesh ; Orissa ; West Bengal). Bangladesh ; Pakistan ; Sri Lanka ; S.E. Tibet ; Afghanistan ; S.E. Persia and Arabia (Yemen).

***Acrida indica* Dirsh, 1954**

Acrida indica Dirsh, 1954. *Bull. Soc. Fouad. ler Entom.* 38 : 151.

Distribution ; India.

Genus *Anaptygus* Ragge, 1954

Anaptygus Ragge, 1954. *Proc. R. ent. Soc. Lond.*, 23(8) : 188.

Type species : *Anaptygus rectus* Ragge, 1954.

Distribution : Central Himalayas (India).

***Anaptygus rectus* Ragge, 1954**

Anaptygus rectus Ragge, 1954. *ibid.*, 23(B) : 188.

Distribution : Central Himalayas.

Genus *Carliola* Uvarov, 1939

Carlia Uvarov, 1929. *Revue suisse Zool.*, 36 : 535.

Carliola Uvarov, 1939. *Ann. Mag. nat. Hist.*, 8(11) : 459.

Type species : *Carlia carinata* (Uvarov, 1929)

Distribution : S. India.

***Cariola carinata* (Uvarov, 1929)**

Carlia carinata Uvarov, 1929. *Revue suisse Zool.*, 36 : 536.

Carliola carinata Uvarov, 1939. *Ann. Mag. nat. Hist.*, 3(11) : 459.

Distribution : Tamil Nadu (Anamalai) ; Lower plains (Maryland).

Genus *Ceracris* Walker, 1870

Ceracris Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 790 ; Uvarov, 1925.
Ent. Mitt. Berl., 14 : 11-17.

Kuthya Bolivar, 1909. *Bol. Soc. esp. Hist. nat.*, 9 : 291.

Geea Caudell, 1921. *Proc. ent. Soc. Wash.*, 23 : 29.

Type species : *Ceracris nigricornis* Walker, 1870.

***Distribution* : Burma ; China ; India ; Taiwan.**

***Ceracris deflorata* (Brunner, 1893)**

Duronia deflorata Brunner, 1893. *Annli. Mus. Civ. Stor. nat. Giacomo Doria, Genova*, 13(33) : 126.

Ceracris deflorata : kirby, 1914. *Fauna British India, Vol. 1* : 112 ;
Uvarov, 1921. *Rec. Indian Mus.*, 29(4) : 486

Phlaeoba cinctalis Kirby, 1914. *Fauna British India, Vol. 1* : 105.

***Distribution* : Bihar (Pusa ; Chapra) and Burma.**

***Ceracris nigricornis nigricornis* (Walker, 1870)**

Ceracris nigricornis Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 791 ;
Kirby, 1914. *Fauna British India, Vol. 1* : 110.

Ceracris nigricornis nigricornis : Uvarov, 1925. *Ent. Mitt. Berl.*, 14 : 13-14.

***Distribution* : Pusa (Bihar) ; Kurseong and Darjeeling (W B) ;
Manipur ; Kumaon (U.P.), Simla and Solan (H.P.) and Karen Hills
(Burma).**

***Ceracris nigricornis laeta* (Bolivar, 1914)**

Ceracris nigricornis Walker, 1870. *Cat. Derm. Br. Mus.*, 4 : 791 ; Kirby, 1914.
Fauna British India, Orth., 1 : 110.

Duronia versicolor Brunner, 1893. *Annli. Mus. Civ. stor. nat. Giacomo Doris
Geneva*, 13(33) : 126.

Kuthya laeta Bolivar, 1914. *Trab. Musc. nac. Cienc. nat. Madr. (Zool.)*,
20 : 79.

Parapleurus armillatus Karny, 1915. *Suppl. Ent.*, 4 : 83.

Geea conspicua Caudell, 1921. *Proc. ent. Soc. Wash.*, 23 : 30.

Ceracris nigricornis laeta (Bolivar), Uvarov, 1925. *Ent. Mitt. Berl.*, 14 : 14-15

***Distribution* : Darjeeling ; Sikkim.**

Ceracris striatus Uvarov, 1925

Ceracris striatus Uvarov, 1925. *Ent. Mitt. Berl.*, 14 : 16.

Distribution : India (?).

Genus Duroiopsis Bolivar, 1914

Duroiopsis Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr.*, Madrid 20 : 80.

Type species : *Duroiopsis bitaeniata* Bolivar, 1914.

Distribution : India.

Duroiopsis bitaeniata Bolivar, 1914

Duroiopsis bitaeniata Bolivar, 1914, *ibid.*, 20 : 81.

Distribution : India.

Genus Gelastorrhinus Brunner, 1893

Gelastorrhinus Bolivar, 1893. *Ann Mus. Genova*, 33(2) : 137, 157.

Type species : *Gelastorrhinus albolineatus* Brunner, 1893.

Distribution : India and Africa.

Gelastorrhinus (?) laticornis Serville, 1839

Opomala laticornis Serville, 1839. *Hist. nat. Insects, Orth.*, : 590.

Gelastorrhinus (?) laticornis : Kirby, 1914. *Fauna British India*, Vol. 1 : 217.

Distribution : Bombay.

Genus Gonista Bolivar, 1898

Gonista Bolivar, 1898. *Annli. Mus. Civ. Stor. nat. Giacomo Doria Genova*, Ser 2, 19 (39) : 65-101.

Type species : *Gonista antennata* Bolivar, 1898.

Distribution : India ; Sri Lanka ; China.

Gonista filata (Walker, 1870) (Comb. Nov.)

Mesops filatus Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 5 : 502.

Gelastorrhinus (?) filatus : Kirby, 1914. *Fauna British India*, Vol. 1 : 216-217.

Distribution : North India ; Araku Valley (A.P.) ; China.

Gonista sagitta (Uvarov, 1912)

Gelastorrhinus sagitta Uvarov, 1912. *Horae. Soc. Ent. Ross.*, XL (3) : 10.

Opomala semipicta Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 512.

Gelastorrhinus tryxaloides Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 617,
pl 9, fig. 34.

Gelastorrhinus semipictus : Kirby. 1914. *Fauna British India*, Vol. 1 : 217-218 ;
Uvarov, 1929. *Revue suisse Zool.* 36 : 536,

Gelastorrhinus ajbolineatus Brunner, 1893. *Ann. Mus. Genova*, 33(2) : 158.

Gelastorrhinus selache Burr, 1902. *Trans. Ent. Soc. Lond.*, : 181.

Gonista sagitta : Uvarov, 1933. *Trans. Inst. zool. Acad, Sci. URSS* 1 : 189.

Distribution : Madura ; Kodaikanal ; Mysore plateau ; Sikkim ;
Sri Lanka and Burma.

Genus Holopercna Karsch, 1891

Holopercna Karsch, 1891. *Berl. ent. Z*, 36(1) : 176.

Sjoestedtia Bolivar, 1909. *Bol. Soc. esp. Hist. nat.*, 9 : 291.

Sikkimiana Uvarov, 1940. *Ann, Mag. nat. Hist.*, 6(11) : 375.

Type species : *Holopercna gerstaeckeri* (Bolivar, 1890).

Distribution : Africa ; India.

Holopercna darjeelingensis (Bolivar, 1914)

Sjoestedtia darjeelingensis Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr.*
Madrid. 20 : 77 ; Uvarov, 1927. *Rec. Indian Mus.*, 29(4) : 234.

Disiribution : Darjeeling ; Sikkim ; Assam and Kumaon (U.P.) ;
Mandi, Pandoh and Solan (H.P.).

Holopercna sukhadae (Bhowmik, 1965) (Comb. Nov.)

Sjostedtia sukhadae Bhowmik, 1965. *Proc. Zool. Soc*, Calcutta, 18 : 59-60
fig. 1 (A-F).

Distribution : Assam.

Genus Orthochtha Karsch, 1891

Orthochtha Karsch, 1891. *Berlin Ent. Zeit.* 36 : 177.

Macrocymochtha Sjostedt, 1932. *Ark. Zool.* 23A. no. 17 : 23.

Rasperecta Sjostedt, 1932. *Ark. zool.* 23A. no. 17 : 20.

Type species : *Chrysochraon dasyncnemis* Gerstaecker, 1869.

Distribution : India and Africa.

Orthochtha indica Uvarov, 1942

Orthochtha indica Uvarov, 1942. *Ann. Mag. nat. Hist.*, 9(11) : 587, fig. 1 ;
Bhowmik and Halder, 1983 *Rec. zool. Surv. India*, 81 : 171.

Distribution : Delhi ; Nagpur ; (H.P.) ; (M.P.).

Genus Paraduronia Bolivar, 1909

Paraduronia Bolivar, 1909. *Bol. Soc. esp. Hist. nat.* 9 : 289.

Type species : *Paraduronia carinata* Bolivar, 1902.

Distribution : India and Sri Lanka.

Paraduronia carinata Bolivar, 1902

Paraphlaeoba carinata Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 593-594.
Paraduronia carinata : Uvarov, 1929. *Revue suisse Zool.*, 36 : 538.

Distribution : Anaimalai ; Upper palnis ; Madura.

Paraduronia simoni Bolivar, 1902

Paraphlaeoba simoni Bolivar, 1902. *Annls. Soc. ent. Fr.* 70 ; 593-594 ;
Kirby, 1914. *Fauna British India, Vol 1* ; 109.
Paraduronia simoni ; Uvarov, 1929. *Revue suisse Zool.*, 36 : 99.

Distribution : Sri Lanka.

Genus Paraphlaeoba Bolivar, 1902

Paraphlaeoba Bolivar, 1902 *Annls. Soc. ent. Fr.*, 70 ; 592.

Type species : *Paraphlaeoba platyceps* Bolivar, 1902.

Distribution : India and Sri Lanka.

Paraphlaeoba platyceps Bolivar, 1902

Paraphlaeoba platyceps Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 ; 593 pl 9,
 fig. 29 ; Uvarov, 1929 *Revue suisse Zool.*, 36 ; 538, **Bhowmik, 1983.**
Bull. Indian Mus., 18 : (in press).

Distribution : Nilgiri ; Lower and Upper plains ; A.P.

Paraphlaeoba ceylonica Ramme, 1941

Paraphlaeoba ceylonica Ramme, 1941 *Mitt. zool. Mus. Berl.*, 25(1) ; 25.

Distribution : Sri Lanka.

Genus Paraphlaeobida Willemse, 1951

Paraphlaeobida Willemse, 1951. *Ent. Ber., Amerst, 13* : 280.

Type species : *Paraphleobida gracilis* Willemse, 1951.

Distribution ; India.

Paraphlaeobida gracilis Willemse, 1951

Paraphlaeobida gracilis Willemse, 1951. *Ent. Ber. Amerst, 13* : 280.

Distribution : S. India (Coimbatore).

Genus Perella Bolivar, 1914

Perella Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr., Madrid, 20* : 87.

Type species : *Perella insignis* Bolivar, 1914.

Distribution : 'Bengal'

Perella insignis Bolivar, 1914

Perella insignis Bolivar, *ibid.*, 20 : 88.

Distribution : 'Bengal'.

Genus Phlaeoba Stal, 1860

Phlaeoba Stal, 1860. *Eugenie's Resa, Orth.* : 360.

Kirbyella Bolivar, 1909. *Bol. Soc. esp. Hist. nat.*, 9 : 289.

Type species : *Gomphocerus (Phlaeoba) rusticus* Stal, 1860.

Distribution : Oriental region.

Phlaeoba antennata Brunner, 1893

Phlaeoba antennata Brunner, 1893. *Annli. Mus. Civ. Stor. nat. Giacomo*

Doria, Genova, Ser 2, 13(33) ; 125, pl 5, fig. 49 ; Kirby, 1914. *Fauna British India, Vol. 1* : 101, fig. 84-85.

Distribution : Oriental Region.

Phlaeoba antennata malayensis Bolivar, 1914

Phlaeoba antennata malayensis Bolivar, 1914. *Trab, Mus. Cienc. nat. Madr.*.

Madrid, 20 : 90.

Distribution : India and Malay.

Phlaeoba angustidorsis Bolivar, 1902

Phlaeoba angustidorsis Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 590.

Distribution : Kodaikanal.

Phlaeoba angustidorsis longipennis Bolivar, 1914

Phlaeoba angustidorsis Bolivar, 1902. *Trab. Mus. Cienc. nat. Madr., Madrid*
(Ser. Zool.), no. 20 : 92.

Distribution : India.

Phlaeoba assama Ramme, 1941

Phlaeoba assama Ramme, 1941. *Mitt. Zool. Mus. Berl.*, 25(1) : 9.

Distribution : Assam.

Phlaeoba infumata Brunner, 1893

Phlaeoba infumata Brunner, 1893. *Annli. Mus. Civ. Stor. nat. Giacoma*
Doria, Genova, Ser 2, 13(33) : 124 : Uvarov, 1921. Ann. Mag. nat.
Hist., 7(9) : 486 ; Uvarov, *J. Proc. Asiat. Soc. Beng.*, 20(6) : 318 ;
Bey Bienko, 1968. *Rev. Ent. URSS*, 47 : 125.

Distribution : India (Pusa ; Cuttack) ; E. Nepal. (Burma).

Phlaeoba ramakrishnai Bolivar, 1914.

Phlaeoba ramakrishnai Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr, Madrid*
(Ser. zool) no. 20 : 92.

Distribution : India.

Phlaeoba rotundata Uvarov, 1929

Phlaeoba rotundata Uvarov, 1929. *Revue suisse Zool.*, 36 : 537.

Distribution : Kodaikanal ; Mysore.

Phlaeoba panteli Bolivar, 1902

Phlaeoba panteli Bolivar, 1902. *Annls. Soc. ent, Fr.*, 70 : 581 ;
Kirby, 1914. *Fauna British India, Vol. 1 : 164, fig. 87 ;*
Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) 486.

Phlaeoba walhousci Kirby, 1910. *Syn. Cat. Orth.*, 3 : 138.

Distribution : Pusa (Bihar) ; Madura (Tamil Nadu) ; Drang, Mandi, Bilaspur, Renuka Lake (H.P.) ; A.P.

Phlaeoba sikkimensis Ramme, 1941

Phlaeoba sikkimensis Ramme, 1941. *Mitt Zool. Mus. Berl.*, 25(1) : 13 ;
Bey-Bienko, 1968. *Rev. Ent. USSR*, 47 : 125.

Distribution : Sikkim ; Eastern Nepal.

Genus Phlaeobida Bolivar, 1902

Phlaeobida Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 592.

Type species : *Paraphlaeobida angustipennis* Bolivar, 1902.

Distribution : India ; British East Africa ; Isle of Sumbawa.

Phlaeobida angustipennis Bolivar, 1902

Phlaeobida angustipennis Bolivar, 1902. *Annls. Soc. ent. Fr.* 70 : 592, 593
pl 9, fig. 30.

Distribution : Trichinopoly (Tamil Nadu).

Genus Pseudophaeoba Bolivar, 1914

Pseudophaeoba Bolivar 1914. *Trab. Mus. Cienc. nat. Madr., Madrid*, 20 : 90.

Type species : *Pseudophaeoba henryi* Bolivar, 1914

Distribution : Sri Lanka.

Pseudophaeoba henryi Bolivar, 1914

Pseudophaeoba henryi Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr., Madrid*, 20 : 91 ;
Uvarov, 1927. *Spolia zelan*, 14(1) : 99.

Distribution : Sri Lanka.

Genus Zygophaeoba Bolivar, 1902

Zygophaeoba Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 591.

Type species : *Zygophaeoba simulatocollis* Bolivar 1902.

Distribution : India and Sri Lanka.

Zygophlaeoba collina Uvarov, 1929

Zygophlaeoba collina Uvarov, 1929. *Revue suisse Zool.*, 36 : 539.

Distribution : Nilgiris ; Anaimalai.

Zygophlaeoba bolivari Henry, 1934

Zygophlaeoba bolivari Henry, 1934. *Spolia zelan.*, 17 : 160.

Distribution : Sri Lanka.

Zygophlaeoba sinuatocollis Bolivar, 1902

Zygophlaeoba sinuatocollis Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 591.

Distribution : Trichinopolly (Tamil Nadu).

Zygophlaeoba truncaticollis Bolivar, 1902

Zygophlaeoba truncaticollis Bolivar, 1902, *Annls. Soc. ent. Fr.*, 70 : 591.

Distribution : Trichinopolly (Tamil Nadu).

Zygophlaeoba varicornis Henry, 1934

Zygophlaeoba varicornis Henry, 1934. *Spolia zelan.*, 17 : 161.

Distribution : Sri Lanka.

Subfamily TRUXALINAE (sensu Uvarov, 1966)**Genus Truxalis Fabricius, 1775**

Truxalis Fabricius, 1775. *Syst. Ent.*, 1775 : 279 ; Roberts, 1941. *Trans. Amer. ent. Soc.*, 67 : 12 ; Dirsh, 1950. *Eos. Tomo extraord (1951)* : 119-241.

Tryxalis Brulle, 1835. *Hist. nat. insects, Paris*, 9 : 36.

Acridella Bolivar, 1893. *Feuille Jeunes Nat.*, 27 : 163.

Type species : *Acrida nasuta* Linne, 1758.

Distribution : Whole old world.

Truxalis eximia Eichwald, 1830

Truxalis eximia Eichwald, 1830. *Zool. Spec.*, 2 : 239 ; Cejchan, 1969. *Act. Mus. Mor.*, 54 (supple) : 255.

Distribution : Middle east countries ; Afganistan ; West Pakistan ; and India.

Truxalis nasuta (Linne, 1758)

Gryllus Acrida nasuta Linnaeus, 1758. *Syst. Nat.* (ed.) 1 : 427.

Acridella nasuta Kirby, 1914. *Fauna British India*, Vol. 1 : 100. (for various Synonmies) ; Uvarov, 1921. *Ann. Mag. nat. Hist*, 7(9) : 481 ; Idem, 1943. *Proc. Linn. Soc. Lond.*, 93 : 21 ; Cejchan, 1961. *Act. Ent. Mus, nat. Prague*, 34 : 18.

Distribution : Bilaspur (M.P.) ; Surat. (Cosmopolitan).

Truxalis grandis fitzgeraldis Dirsh, 1950

Truxalis grandis fitzgeraldis Dirsh, 1950. *Eos. Tomo. extraord 1950 (1951)* : 119-241.

Distribution : Punjab (Arab).

Subfamily GOMPHOCERINAE (sensu Uvarov, 1966)

Genus Azarea Uvarov, 1925

Azarea Uvarov, 1925. *Trans. ent. Soc. Lond.* (1925) : 417.

Type species : *Azarea lloydi* Uvarov, 1925.

Distribution : W Africa (?) and India.

Azarea indica Singh, 1979

Azarea indica Singh, 1979. *Ent. Ber.*, 39 : 60-62.

Distribution : Punjab (India).

Genus Bababuddinia Bolivar, 1917

Bababuddinia Bolivar, 1917. *Rev. Acad. Cienc. Madr.* 15 : 382.

Type species : *Bababuddinia bizonata* Bolivar, 1917

Distribution : S. India.

Bababuddinia bizonata Bolivar, 1917

Bababuddinia bizonata Bolivar, 1917. *Rev. Acad. Cienc. Madr.*, 16 : 382 ;
Uvarov, 1919. *Revue suisse Zool.*, 36 : 544-545.

Distribution : Karnatak (Madumalai ; Gudalur ; Attakatti).

Brachycrotaphus Krauss, 1877

Brachycrotaphus Krauss, 1877. *Sber. Akad. Wiss. Wien* 76(1) : 48, pl 2,
figs. 15, 15A ; Uvarov, 1932. *Soc. Ent. Fr. Liv. Centeur.* : 285-300,
8 figs.

Psectrocnemus Henry, 1940. *Trans. R. ent. Soc. Lond.* 90(19) : 511.

Type species : *Brachycrotaphus steindachneri* Krauss, 1877.

Distribution : Mediterranean region ; Africa and India.

Brachycrotaphus hoshiarpurensis Singh, 1978

Brachycrotaphus hoshiarpurensis Singh, 1978. *Entom.*, 3(2) : 277-280.

Distribution : Bankhandi, Hoshiarpur, Punjab.

Brachycrotaphus indicus Uvarov, 1932

Brachycrotaphus indicus Uvarov, 1932. *Soc. Ent. Fr. Liv. Centeur.* : 299.

Distribution : India.

Brachycrotaphus longiceps (Bolivar, 1902)

Ochridia longiceps Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 595 ;

Kirby, 1914. *Fauna British India, Vol 1* : 116.

Brachycrotaphus longiceps : Uvarov, 1932. *Soc. Ent. Fr. Liv. Centeur.* : 299 ;

Jago, 1971. *Proc Acad. nat. Sci. Philad.*, 123(8) : 235.

Psectrocnemus longiceps Henry, 1940. *Trans. R. ent. Soc. Lond.*, 90(19) : 511.

Distribution : S. India (Madura ; Dohnapur ; Tinnevely).

Genus Capulica Bolivar, 1917

Capulica Bolivar, 1917. *Rev. Acad. Cienc. Madr.* 16 : 377.

Type species : *Capulica chrysochraontes* Bolivar, 1917.

Distribution : India.

Capulica alata Uvarov, 1929

Capulica alata Uvarov, 1929, *Revue suisse Zool*, 36 : 540-541.

Distribution : Karnatak.

Capulica chrysochraontes Bolivar, 1917

Capulica chrysochraontes Bolivar, 1917. *Rev. Acad. Cienc. Madr.*, 16 : 378.

Distribution : India.

Capulica pulla Bolivar, 1917

Capulica pulla Bolivar, 1917. *Rev Acad, Cienc. Madr.*, 16 : 379.

Distribution : India.

Genus Chorthippus Fieber, 1852

Chorthippus Fieber, 1852. *Kelch, Orth. Oberschles*, 1 : 1, 4.

Type species : *Acrydium albomarginatus* de Geer, 1773.

Disiribution : Cosmopolitan.

Subgenus Chorthippus (Chorthippus) Jago, 1971

Chorthippus chorthippus Jago, 1971. *Proc. Akad. Sci. nat. Philad*, 123(8) : 259.

Chorthippus (Chorthippus) almoranus Uvarov, 1942

Chorthippus almoranus, Uvarov, 1942. *Eos*, 18 : 97-98.

Distribution : Almora (U.P.) (♂)

Chorthippus (Chorthippus) indicus Uvarov, 1942

Chorthippus indicus Uvarov, 1942. *Eos*, 18 : 98-99.

Distribution : Chittal ; N. W F. Province ; Kashmir ; Simla (H. P.) ; Kumaon Hills (U.P.).

Subgenus Chorthippus (Glyptobothrus) Chopard, 1951

Chorthippus (Glyptobothrus) Chopard, 1951. *Faune de France*, 5 : 292 ;
Mistshenko in Bei-Bienko and Mistshenko, 1951. *Opred Faune SSSR*
40 : 292.

Chorthippus (Glyptobothrus) hammerstroemi (Miram, 1906)

Chorthippus hammerstroemi Miram, 1906-1907. *Ofvers Finska Vetensk—Soc. Forh.*, XLIX. 6 : 5 ; Bey-Bienko and Mistshenko, 1951. *Zool. Inst, USSR. Acad, Sci. No. 2, Part 2* : 171.

Distribution : Siberia ; China and India (H.P.).

Genus Dhimbama Henry, 1940

Dhimbama Henry, 1940. *Trans. R. ent. Soc. Lond.* 90(19) : 507.

Type species : *Dhimbama dawsoni* Henry, 1940.

Distribution : S. India.

Dhimbama dawsoni Henry, 1940

Dhimbama dawsoni Henry, 1940. *Trans. R. ent. Soc. Lond.* 90(19) : 507.

Distribution : Tamil Nadu (Biligiriranga Hills ; Coimbatore and Madura).

Genus Dnopherula Karsch, 1896

Dnopherula Karsch, 1896. *Ent. Zeit. Stettin.* 57 : 259 ; Jago, 1971, *Proc. Acad. Sci. nat. Philad.*, 123(8) ; 242-246, figs.

Aulacobothrus Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 57.

Ticra Bolivar, 1909. *Bol. Soc. esp. Hist. nat.*, 9 : 294.

Phorenula Bolivar, 1909. *ibid.*, : 296.

Berengueria Bolivar, 1909. *ibid.*, : 296.

Luenia Uvarov, 1953. *Campanhia de Diamantes de angola, publ. cult.* 21 : 171.

Type species : *Dnopherula callosa* Karsch, 1896.

Distribution : Cosmopolitan.

Subgenus Dnopherula (Aulacobothrus) Jago, 1971

Dnopherula (Aulacobothrus) Jago, 1971. *Proc. Acad. Sci. nat. Philad.*, 123(8) : 245, 291.

Dnopherula (Aulacobothrus) bolivari Uvarov, 1921 (Comb. Nov.)

Aulacobothrus bolivari Uvarov, 1921. *Ann, Mag nat Hist.*, 7(9) : 483 ;

Cejhan, 1969. *Act. Mus. Mor*, 54 (Supple) : 261.

Distribution : Chapra (Bihar) ; Koilapati (Tamil Nadu). E. Afghanistan.

Dnopherula (Aulacobothrus) collinus Uvarov, 1929 (Comb. Nov.)

Aulacobothrus collinus Uvarov, 1929. *Revue suisse Zool.*, 36 : 543-544.

Distribution : Karnatak ; Anamalai (Tamil Nadu).

Dnopherula (Aulacobothrus) decisus (Walker, 1871)

Stenobothrus decisus Walker, 1871. *Cat. Derm. Salt. Br. Mus.*, 5 : 80.

Dociostaurus decisus : Kirby, 1914. *Fauna British India*, Vol. 1 : 120.

Aulacobothrus decisus : Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) 482 ;

Idem, 1927. *Rec. Indian Mus.* 24(4) : 234.

Distribution : Bombay and Tamil Nadu.

Dnopherula (Aulacobothrus) iufernus Bolivar, 1902 (Comb. Nov.)

Aulacobothrus iufernus Bolivar, 1902, *Annl. Soc. ent. Fr.*, 70 : 599.

Distribution : Tamil Nadu (Kodaikanal).

Dnopherula (Aulacobothrus) luteipes (Walker, 1871)

Stenobothrus luteipes Walker, 1871. *Cat. Derm. Salt. Br. Mus.*, 5 : 82.

Stenobothrus (?) *luteipes* Kirby, 1914. *Fauna British India*, Vol. 1 : 121.

Aulacobothrus taeniatus Bolivar, 1902. *Annl. Soc. ent. Fr.*, 70 : 600.

Stauroderus bicolor Kr. (nec Carpenter) : Kirby, 1914. *Fauna British India*, Vol. 1 : 127, fig. 93.

Aulacobothrus luteipes : Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 482 ;

Idem, 1927. *Spolia zelan* 14(1) : 234 ; *Idem*, 1929, *Revue suisse Zool.*, 36 : 542.

Dnopherula (Aulacobothrus) luteipes : Jago, 1971. *Proc. Acad. Sci. nat. Philad.*, 123(8) : 243.

Distribution : All over India (Burma ; China ; Japan. Europe ; N. America).

Dnopherula (Aulacobothrus) physopoda Navas, 1904 (Comb. Nov.)

Scyllina physopoda Navas, 1904. *Bol. Sci. Argon*, 3 : 133.

Aulacobothrus physopoda : Kirby, 1914. *Fauna British India*, Vol. 1 : 125-126.

Distribution : Kurseong (Darjeeling).

Dnopherula (Aulacothrus) rubripes Navas, 1905 (Comb. Nov.)

Scyllina rubripes Navas, 1905. *Bol. Sci. Argon*, 4 : 53.

Aulacothrus rubripes : Kirby, 1914. *Fauna British India*, Vol. 1 : 126.

Distribution : Kurseong (Darjeeling).

Dnopherula (Aulacothrus) sinensis Uvarov, 1925 (Comb. Nov.)

Aulacothrus sinensis Uvarov, 1925. *J. Proc. Asiat. Soc. Beng.*, 20(6) : 318-319 (♂ unknown); Bey Bienko, 1968. *Rev. Ent. URSS*, 47 : 125.

Distribution : Eastern Nepal. (Yunnan : Burma)

Dnopherula (Aulacothrus) socius (Bolivar, 1902)

Aulacothrus socius Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 599 ;
Uvarov, 1929. *Revue suisse Zool.*, 36 : 542-543.

Dnopherula (Aulacothrus) socius : Jago, 1971. *Proc. Acad. Sci. nat. Philad.*, 123(8) : 243.

Distribution : Tamil Nadu and Bombay.

Dnopherula (Aulacothrus) strictus (Bolivar, 1902)

Aulacothrus strictus Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 598 ;
Kirby, 1914. *Fauna British India*, Vol. 1 : 124 ; Uvarov, 1929. *Revue suisse Zool.*, 36 : 542.

Dnopherula (Aulacothrus) strictus : Jago, 1971. *Proc. Acad. Sci. nat. Philad.*, 123(8) : 247.

Distribution : Tamil Nadu (Upper and Lower plains ; Kodai-kanal).

Genus Leva Bolivar, 1909

Leva Bolivar, 1909. *Bol. Soc. esp. Hist. nat.*, 9 : 295-296 ; Jago, 1971. *Proc. Acad. Sci. Philad.*, 123(8) : 223, 229, figs.

Stenohippus Uvarov, 1926. *Trans. ent. Soc. Lond. (1925)*, 73(3-4) : 423.

Type species : *Gymnothrus indicus* Bolivar, 1902.

Distribution : S. W. Asia ; Africa (South of Sahara).

***Leva apicalis* (Walker, 1871)**

Stenobothrus apicalis Walker, 1871. *Cat. Derm. Salt. Br. Mus.*, 5 : 80.
Dociostaurus apicalis : Kirby, 1914, *Fauna British India*, Vol. 1 : 117.

Leva soluta Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr., Madrid*, 20 : 65.

Stenobothrus turbatus Walker, *ibid.*, 81.

Dociostaurus turbatus : Kirby, 1914. *ibid.*, 118.

Leva apicalis : Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 485.

Distribution : Bombay.

Leva cruciata Bolivar, 1914

Leva cruciata Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr.*, 20 : 65 ;

Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 485 ; Idem, 1927. *Spolia*

zelan, 14(1) : 97 ; Idem, 1929. *Revue suisse Zool.* 36 : 450.

Distribution : S. India (Coimbatore ; Mysore) ; Sri Lanka.

Leva indica (Bolivar, 1902)

Gymnobothrus indicus Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 596.

Leva indica : Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 485 ; Idem, 1927.

Rec. Indian Mus., 29(4) : 234 ; Idem, 1927. *Spolia zelan*, 14(1) : 97 ;

Idem, 1929. *Revue suisse Zool*, 36 : 540.

Distribution : Pusa ; Kulti and Kharagpur (W. B.) ; Central India : Coimbatore and Koiloasi (Tamil Nadu) ; Sri Lanka.

Leva mundus (Walker, 1871)

Stenobothrus mundus Walker, 1871. *Cat. Derm. Salt. Br. Mus.*, 5

(supple) : 79.

Dociostaurus mundus : Kirby, 1914. *Fauna British India*, Vol. 1 : 119.

Leva mundus : Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 485.

Stenobothrus epacromoides Walker, 1871. *Cat. Derm. Salt. Br. Mus.*, 5 : 81.

Dociostaurus epacromoides : Kirby, 1914. *Fauna British India*, Vol. 1 : 119.

Leva epacromoides : Uvarov, 1921. *Ann. Mag. nat. Hist.* 7(9) : 485.

Stauroderus exemplaris Bolivar, 1918. *Rev. R. Acad. Cienc. Madr.*, 16 : 380.

Stenohippus mundus : Uvarov, 1925. *Trans. ent. Soc. Lond.*, : 425.

Distribution : S. India (Bombay).

Leva trapezoides Bolivar, 1914

Leva trapezoides Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr*, 20 : 65.

Distribution : India.

Genus Madurea Bolivar, 1902

Madurea Bolivar, 1902. *Annls. Soc. ent. Fr.*, 70 : 596.

Type species : *Madurea cephalotes* Bolivar, 1902.

Distribution : S. India.

Madurea cephalotes Bolivar, 1902

Madurea cephalotes Bolivar, 1902. *Annl. Soc. ent. Fr.* 70 : 597, pl 9, fig. 32 ; Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr., Madrid*, 20 : 73 ; Kirby, 1914. *Fauna British India*, Vol. 1 : 115 ; Uvarov, 1929. *Revue suisse Zool.*, 36 : 538 ; Henry, 1940. *Trans. R. ent. Soc. Lond.*, 90(19) : 503-504, fig. 3 (a, b, c & d).

Distribution : S. India (Madura ; Nilgiri ; Anamalai ; Dohnavur ; Tinnevelly).

Mesopsis Bolivar, 1906

Mesopsis Bolivar, 1906. *Bol. Soc. esp. Hist. nat.*, 6 : 392 ; Uvarov, 1943. *Eos*, 19 : 69-78 ; Jago, 1969. *Proc. Acad. nat. Sci. Philad.*, 121 : 229-335, 211 figs.

Mesopsis Serville, 1831. *Ann. Sci. nat., Paris* 22 : 267.

Aswatthamanus Kirby, 1914. *Fauna British India*, Vol. 1 : 96-101, figs. 82, 83. *Kirmanian* Uvarov, 1933. *Travaux. Inst. Zool. Acad. Sci. URSS* (1932), 1 : 190, 192,

Type species : *Truxalis abbreviatus* Palisot de Beauvois, 1806.

Distribution : Africa ; India ; Southern parts of U.S.A. ; Mexico.

Mesopsis cylindricus (Kirby, 1914)

Aswatthamanus cylindricus Kirby, 1914. *Fauna British India*, Vol. 1 : 101, figs. 82, 83.

Leproya acutipennis Kirby, 1914. *ibid.*, 219.

Mesopsis cylindricus : Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 482 ; Jago, 1971. *Proc. Acad. Sci. nat. Philad.*, 123(8) : 237,

Distribution : Bihar (Pusa and Chapra) ; Andhra Pradesh (Parvatipuram ; Araku valley) (Bhowmik, 1985).

Genus Ochrilidia Stal, 1873

Ochrilidia Stal, 1873. *Recens. Orth.*, 1 : 104.

Platypterna Fieber, 1853. *Lotos*, 3 : 98.

Martinella Bolivar, 1909. *Bol. Soc. esp. Hist. nat.*, 9 : 285-296.

Platypternella Salfi, 1928. *Ann. Mag. nat. Hist.*, 2(10) : 192,

Platypternopsis Chopard, 1947. *Revue fr. ent.*, 13 : 151.

Type species : *Platypterna gracilis* Krauss, 1902.

Distribution : Mid. and Central Asia ; N. India and Africa.

***Ochrilidia geniculata* (Bolivar, 1913)**

Platypterna geniculata Bolivar, 1913. *Novit. zool.*, 30 : 607.

Platypterna Kraussi Bol var, 1913. *ibid*, 30 : 606.

Platypterna rothschildi Bolivar, 1913. *ibid.*, 30 ; 607.

Platypterna pictipes Uvarov, 1922. *J. Bombay nat. Hist. Soc.*, 28 : 359.

Platypterna pruinosa agedabidae Salfi, 1927. *Boll. Soc. Nat Nepoli*, 39 : 244.

Platypterna ladakiae Salfi, 1931. *Eos*, 7 : 300, 301, 302.

Platypterna nilotica Salfi, 1931 *ibid.*, 7 : 307-311.

Platypterna variopicta Salfi, 1931. *ibid*, 7 : 311-313.

Platypternopsi bivittata Chopard, 1947 *Revue fr Ent.*, 13 : 151.

Ochrilidia geniculata : Chopard, 1949. *Bull Soc. Sc. nat Maroc.*,

25-27 : 193 ; *Idem*, 1952 *Bull. Inst franc. Afri. noire*, 14 : 464 ;

Jago, 1976. *Acrida* 6(3) : 171-185.

Distribution : N. Africa ; Saudi Arabia ; Iran ; Afganistan ; Pakistan ; India (Rajasthan ; Punjab).

***Ochrilidia gracilis gracilis* (Krauss, 1902)**

Platypterna gracilis Krauss, 1902. *Verh. zool. -bot ges. Wien*, 52 : 236, no. 11, fig. 2.

Platypterna acuta Bolivar, 1903 *Bull Soc. ent. Fr* 1908 : 244.

Platypterna curvifrons Bolivar, 1908. *ibid* 1908 : 245.

Platypterna aegyptia Uvarov, 1924. *Bull. Minist. Agric. Egypt. Tech. Scient Surv.*, 18 ; fig. 19-21.

Platypterna obtusa Salfi, 1931 *Eos*, 7 : 324-326 ; Cejchan, 1969. *Act. Mus. Mor.*, 54 : 256-257.

Platypterna affinis Salfi, 1931. *ibid.*, 7 : 326-328.

Platypterna uvarovi Salfi, 1931. *ibid*, 7 : 342-345.

Platypterna aethiopica Salfi, 1931. *ibid.*, 7 328-330.

Ochrilidia gracilis : Chopard, 1950. *Mem. Inst. franc. Afr noire*, no. 10 : 127-145, 2 figs ; Joyce, 1952. *Anti-Locust Bull no. 11* : 18, 28 ;

Chopard, 1952. *Bull. Inst. franc. Afri. noire*, 14 : 476,

Ochrilidia gracilis gracilis : Jago, 1976. *Acrida*, 6(3) : 186-190.

Distribution : Africa ; Middle east ; India (Punjab).

Genus *Pasiphimus* Bolivar, 1914

Pasiphimus Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr. Madrid* 20 : 102.

Type species : *Pasiphimus sagittaeformis* Bolivar, 1914.

Distribution : India.

Pasiphimus sagittaeformis Bolivar, 1914

Pasiphimus sagittaeformis Bolivar, 1914. *Trab. Mus. Cienc. nat. Madr.*,
Madrid, 20 : 103.

Distribution : India.

Phonogaster Henry, 1940

Phonogaster Henry, 1940. *Trans. R. ent. Soc. Lond* 90(19) : 508.

Type species : *Phonogaster cariniventris* Henry, 1940

Distribution : S. India.

Phonogaster cariniventris Henry, 1940

Phonogaster cariniventris Henry, 1940. *Trans. R. ent. Soc. Lond.* 90(19) :
510-511, fig. 5-6.

Distribution : S. India (Dhinbam ; Coimbatore).

Genus Stenobothrus Fischer, 1853

Stenobothrus Fischer, 1853. *Orth. Eur.*, 296, 313; Jago, 1971. *Proc. Acad.*
nat. Sci. Philad, 123(8) : 252-255, figs.

Type species : *Gryllus lineatus* (Panzer, 1796).

Distribution : Cosmopolitan.

Subgenus Stenobothrus (Omocestus) Jago, 1971

Omocestus Bolivar, 1878. *Ann. Soc. Esp.*, 7 : 63-118.

Stenobothrus (Omocestus) Jago, 1971. *Proc. Acad. nat. Sci. Philad*,
123(8) : 253-254, figs.

Stenobothrus (Omocestus) hingstoni (Uvarov, 1925)

Omocestus hingstoni Uvarov, 1925. *Ann. Mag. nat. Hist*, 16(9) : 166.

Distribution : Mt. Everest.

Subfamily OEDIPODINAE

Genus *Acrotylus* Fieber, 1853

Acrotylus Fieber, 1853. *Lotos*, 3 : 125.

Type species : *Gryllus insubricus* Scopoli, 1786.

Distribution : Asia ; Australia ; Africa and S. Europe.

***Acrotylus humbertianus* Saussure, 1884**

Acrotylus humbertianus Saussure, 1884 *Mam. Soc. Phys. Hist. nat. Geneve*, 28(9) : 189 ; Kirby, 1914. *Fauna British India, Orth.* 1 : 153, fig. 108 ; Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 489 ; Uvarov, 1927. *Rec. Indian Mus.*, 29(4) : 235 ; Idem, 1927. *Spolia zelan* 14(1) : 100 ; Idem, 1929, *Revue suisse Zool.*, 36 : 546 ; Tandon and Shishodia, 1969. *Orient. Insects*, 3(3) : 267. Cejchan 1969. *Acta. Mus. Mor. N. Sci. Suppl.* 54 : 268.

Distribution : India : Pusa, Chapra (Bihar) ; Katni (M.P.) ; Shevaroy (Tamil Nadu) ; Bulsar (Bombay) and Sri Lanka ; Afganistan ; Pakistan.

***Acrotylus insubricus inficita* (Walker, 1870)**

Oedipoda inficita var. B. Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 742.
Acrotylus inficita : Kirby, 1914 *Fauna British India, Orth.* 1 : 152,
Acrotylus insubricus inficitus : Cejchan, 1969. *Acta Mus. Mor. n. sci. suppl.* 54 : 268.

Distribution : USSR ; S. Kazakstan ; Central Asia ; Afganishtan ; Middle East ; Sri Lanka (?) ; N Africa.

***Acrotylus insubricus insubricus* (Scopoli, 1786)**

Gryllus insubricus Scopoli, 1786. *Del. Faun. Flor. Insubr.*, 1 : 64, pt 24, fig. e.
Acrotylus insubricus : Kirby 1910. *Syn. Cat. Orth.* 3 : 264.
Acrotylus insubricus insubricus : Cejchan, 1969. *Acta Mus. Mor. n. Sci. suppl.*, 54 : 268.

Distribution : Afganistan ; Pakistan ; India ; USSR ; Iran ; Saudi Arabia etc. ; N. Africa ; S. and C. Europe.

Genus *Aiolopus* Fieber, 1853

Aiolopus Fieber, 1853. *Lotos*, 3 : 100 ; Hollis, 1968. *Bull. Br. Mus. nat. Hist. (Ent.)* 22(7) : 309-355.
Epacromia Fischer, 1853. *Orth. Eur* : 296, 360.

Aeolopus (sic) Kirby, 1910. *Syn. Cat. Orth.* 3 : 120.

Aeoloptilus Bei-Bienko, 1966. *Zool. Zh.* 45 : 1793.

Type species : *Gryllus thalassinus* Fabricius, 1781.

Distribution : Old World : south of latitude 50°N. and north of latitude 40°S.

***Aiolopus simulatrix simulatrix* (Walker, 1870)**

Epacromia simulatrix Walker, 1870 *Cat. Derm. Salt. Br. Mus.*, 4 : 773.

Heteropternis (?) *savignyi* Kraus, 1890. *Verh. Zool. bot. Ges. Wien* 40 : 262.

Epacromia affinis Bolivar, 1902. *Annls. Soc. ent. Fr.* 70 : 600.

Acrotylus simulatrix (Walker, 1870) Kirby, 1910. *Syn. Cat. Orth.*, 3 : 267.

Aeolopus laticosta Bolivar, 1912. *Trans. Linn. Soc. Lond., Zool.*, 15 : 270.

Aeolopus strepens deserticola Uvarov, 1922. *J. Bombay nat. Hist. Soc.* 28 : 358.

Aiolopus simulatrix simulatrix : Hollis, 1968 *Bull. Br. Mus. nat. Hist. (Ent.)*, 22(7) : 320-325.

Distribution : Africa ; Arabian peninsula ; Middle East ; India ; Burma ; Islands of Indian Ocean westwards to Seychelles.

***Aiolopus thalassinus tamulus* (Fabricius, 1798)**

Gryllus tamulus Fabricius, 1798. *Ent. Syst. Suppl.* : 195.

Gomphocerus tricoloripes Burmeister, 1838. *Handb. Ent.* 2 : 649 ; Kirby, 1910 *Syn. Cat. Orth.* 3 : 192.

Epacromia rufostriatus Kirby, 1888. *Proc. Zool. Soc. Lond.* : 550.

Aeolopus tamulus : Kirby, 1914. *Fauna British India, Orth.* 1 : 122, fig. 92 ;

Uvarov, 1927. *Spolia zelan*, 14(1) : 99 ; Uvarov, 1929. *Revue suisse Zool.*, 36 : 545 ; Bei-Bienko, 1956. *Akad. Nauk, URSS, (Sib. Otd.)* : 179.

Aiolopus thalassinus tamulus : Hollis, 1968. *Bull. Br. Mus. nat. Hist. (Ent.)* 22(1) : 347-350, figs. 22, 23, 84, 92-96 ; Bhowmik and Halder, 1982 (in press).

Distribution : Oriental Regions ; Far east Asian Islands ; China ; Japan ; Philippine Isle ; Australian Regions.

***Aiolopus thalassinus thalassinus* (Fabricius, 1781)**

Gryllus thalassinus Fabricius, 1781 *Species insectorum* 1 : 367.

Aiolopus thalassinus thalassinus : Hollis, 1968. *Bull. Br. Mus. nat. Hist. (Ent.)*. 22(7) : 340-343, figs. 1-5, 11-12, 21, 75-84, 90, 91.

Distribution : Ethiopian region ; N. and W India, Westwards to Palaearctic region.

Genus *Bryodema* Fieber, 1853

Bryodema Fieber, 1863 *Lotos*, 3 : 129.

Type species : *Oedipoda gebleri* Fischer-Waldheim, 1836.

Distribution : Himalayas ; Asia and Europe.

Bryodema luctuasum indum (Saussure, 1884)

Bryodema inda Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 179, 181 ; Kirby 1914. *Fauna British India. Orth.*, 1 : 151, fig. 107.

Bryodema luctuasum indum : Bei-Bienko, 1930. *Annu. Mus. zool. Acad. Leningrad*, 31 : 115.

Distribution : India (Himalaya) ; Tibet (Dakar).

Genus *Chloebora* Saussure, 1884

Chloebora Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 54, 132 ; Idem, 1888. *ibid.*, 30(1) : 18, 33 ; Uvarov, 1941. *Ann. Mag. nat. Hist.*, 8(1') 298.

Type species : *Chloebora grossa* Saussure, 1884.

Distribution : Indian subcontinent and Africa.

Chloebora crassa (Walker, 1870)

Oedipoda crassa Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 741.

Chloebora crassa Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 30 ; Kirby, 1914. *Fauna British India, Orth.*, 1 : 131 - 132, fig. 95 ; Uvarov, 1923. *J. Bombay nat. Hist. Soc.*, 29(3) : 633 ; Uvarov, 1941. *Ann. Mag. nat. Hist.*, 8(11) : 299.

Distribution : Bombay (Nasik, Poona, Gokal and Belgaum district) ; Tamil Nadu (Kurnool district) and Baluchistan (Pakistan).

Chloebora grossa Saussure, 1884

Chloebora grossa Saussure, 1884 *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 132 ; Idem, 1888. *ibid.*, 30(1) : 33 ; Uvarov, 1929. *Revue suisse Zool.*, 36 : 545 ; Uvarov, 1948. *Ann. Mag. nat. Hist.*, 8(11) : 300.

Chloebora bramina Saussure, 1884, *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 132.

Scintharista punjabi Willemse, 1932. *Natuurh Maandbl.* V. 21 p. 105, fig. 2.

Distribution : N. W. Province (Pakistan) ; India : Punjab (Dhar H. P. (Simla) ; U. P. (Dehra Dun - Kalsi) ; W. Bengal (Phoolseing, Darjeeling).

Chloebora marshalli (Henry, 1933)

Chloebora grossa Bolivar, 1902. *Annls. Soc. ent, Fr.*, 70 : 604. (nec saussure)

Scintharista marshalli Henry, 1933. *Spolia zelan*, 17 : 166, figs. 5, 6, 7.

Chloebora marshalli : Uvarov, 1941. *Ann. Mag. nat. Hist.*, 8(11) : 300-301.

Distribution : Very widely distributed in Tamil Nadu ; Bihar and Orissa ; Sri Lanka.

Genus Chondronotulus Uvarov, 1956

Chondronotulus Uvarov, 1956. *Ent. Mon. Mag.*, 82 : 217.

Type species : *Sphingonotus bengalensis* Saussure, 1888.

Distribution : India.

Chondronotulus bengalensis (Saussure, 1888)

Sphingonotus bengalensis Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 77, 80 no 7 ; Kirby, 1914. *Fauna British India, Orth.* 1 : 154, 156.

Oedipoda balteata Walker, 1870 *Cat. Derm Salt Br. Mus* 4 : 736, Partim (nec Serville).

Distribution : North Bengal ; Jabalpur (M. P.) and Poona (Maharashtra).

Genus Cophotylus Krauss, 1902

Cophotylus Krauss, 1902. *Sber. Akad. Wiss Wien*, 6(3) : 3.

Type species : *Cophotylus steindachneri* Krauss, 1902.

Distribution : Arab ; Sudan ; Persia ; Baluchistan.

Cophotylus splendens (Uvarov, 1933)

Thalpomona splendens Uvarov, 1933. *Trav. Inst. Zool. Acad. Sci URSS* 1 : 198.

Cophotylus splendens : Dirsh, 1949. *Trans. R. ent. Soc. Lond.*, 100 : 389.

Distribution : Baluchistan (Qnetta).

Genus Dittopternis Saussure, 1884

Dittopternis Saussure, 1884 *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 52, 125 ; *Idem*, 1888. *ibid* , 30(1) : 19, 44.

Type species : *Dittopternis ceylonica* Saussure, 1884.

Distribution : India ; Sri Lanka ; Australia ; S. Africa.

***Dittopternis ceylonica* Saussure, 1884**

Dittopternis ceylonica Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 125-126 ; *Idem*, 1888. *ibid.*, 30(1) : 19, 44 ; Kirby, 1914. *Fauna British India, Orth.* 1 : 139.

Distribution : Sri Lanka.

***Dittopternis venusta* (Walker, 1870)**

Oedipoda venusta Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 740.

Dittopternis venusta Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 44 ; Kirby, 1914. *Fauna British India, Orth.* 1 : 140, fig. 100 ; Uvarov, 1921. *Ann. Mag. nat. Hist.* 7(9) : 488 ; *Idem*, 1929. *Revue suisse Zool.* 36 : 546 ; Bhowmik and Halder, 1982 (in Press).

Distribution : S. India (South of Pollachi ; Shevaroy (Tamil Nadu). Mysore ; (Anaimalai) ; Darjeeling (West Bengal).

***Dittopternis zebrata* Saussure, 1884**

Dittopternis zebrata Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 125-126 ; *Idem*, 1888. *ibid*, 30(1) : 44 ; Kirby, 1914. *Fauna British India.*, *Orth.* 1: 140.

Distribution : India ; Burma.

Genus Gastrimargus Saussure, 1884

Gastrimargus Saussure, 1884 *Mem. Soc. Phys. Hist. nat.*, Geneve, 28(9) : 109, 110 ; *Idem*, 1888. *ibid.*, 30(1) : 37 ; Sjostedt, 1928. *K Svenska Akad. Handl.* (3)6, no 1 : 1-51.

Type species : *Gryllus verescens* (Thunberg, 1815).

Distribution : Throughout Old World.

Gastrimargus africanus africanus (Saussure, 1888)

Oedaleus (Gastrimargus) marmoratus var. *africana* Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 39.

Gastrimargus africanus : Kirby, 1910. *Syst. Cat. Orth.*, 3 : 227.

Gastrimargus africanus var. *zebrata* Sjostedt, 1928. *K. svenska Vetensk Akad. Handl.* 6(3) : 41.

Gastrimargus africanus var. *orientalis* Sjostedt, 1928. *K. svenska Vetensk Akad. Handl.* 6(3) : 41.

Gastrimargus africanus africanus : Ritchie, 1982. *Bull. Br. Mus. nat. Hist. (Ent.)*, 44(4) : 248-250, figs. 1, 2, 4, 5, 116, 117 & 121.

Distribution : Africa South of the Sahara ; S W. Arabia and India.

Gastrimargus africanus sulphureus (Bei-Bienko, 1951)

Gastrimargus sulphureus Bei-Bienko, 1951. *Opred. Faune USSR*, 40 : 580.

Gastrimargus africanus sulphureus : Ritchie, 1982 *Bull. Br. Mus. nat. Hist. (Ent.)*, 44(4) : 250-251, figs. 3, 6, 7, 116, 117 & 122.

Distribution : Mountains of Pakistan ; Kashmir ; H. P. (Simla Hills) ; Nepal.

Gastrimargus marmoratus (Thunberg, 1815)

Gryllus marmoratus Thunberg, 1815. *Mem. Acad. Sci. St-Petersb.*, 5 : 232.

Gryllus transversus Thunberg, 1815. *ibid.*, 232.

Gryllus virescens Thunberg, 1815. *ibid.*, 245.

Gryllus assimilis Thunberg, 1815. *ibid.*, 246.

Pachytylus (Oedaleus) marmoratus : Stal, 1873. *Recens. Orth.*, 1 : 123.

Oedaleus (Gastrimargus) marmoratus : Saussure, 1884. *Mem. Soc. Phys. nat. Geneve*, 28(9) : 112.

Oedaleus (Gastrimargus) marmoratus strips sundaicus Saussure, 1884. *ibid.*, 28(9) : 113

Oedaleus (Gastrimargus) marmoratus var. *grandis* Saussure, 1888. *ibid.*, 30(1) : 39.

Gastrimargus virescens ; Kirby, 1910. *Syn. Cat. Orth.* 3 : 226.

Gastrimargus assimilis : Kirby, 1910. *ibid.*, 226.

Gastrimargus marmoratus : Kirby, 1910. *ibid.*, 226.

Gastrimargus transversus : Kirby, 1910. *ibid.*, 227.

Gastrimargus sundaicus : Kirby, 1910. *ibid.*, 228.

Gastrimargus marmoratus var. *transversa* : Sjostedt, 1928. *K. svenska Vetensk Akad. Handl.*, (3) 6 (1) : 37.

Gastrimargus marmoratus var. *grandis* ; Sjostedt, 1928. *ibid.*, 6(3) ; 37.

Gastrimargus marmoratus var. *grandis* forma *rectinotus* Sjostedt, 1928. *ibid.*, 6(3) : 37.

Gastrimargus marmoratus : Ritchie, 1982. *Bull Br. Mus. nat. Hist. (Ent.)*, 44(4) : 262-666, figs. 26-32, 119, 127.

Distribution : S. E. Asia from Assam ; North-east Japan ; South-west to Sumatra ; South-east to the Vogelkop peninsula of New Guinea.

Genus Grammoscapha Uvarov, 1942

Grammoscapha Uvarov, 1942. *Ann. Mag. nat. Hist.* 9(11) : 590-591.

Type species : *G. burmana* Uvarov, 1942.

Distribution : Lower Burma.

Grammoscapha burmana Uvarov, 1942

Grammoscapha burmana Uvarov, 1942. *Ann. Mag. nat. Hist.*, 9(11) : 591-592, fig. 2.

Distribution : Lower Burma.

Genus Hilethera Uvarov, 1923

Hilethera Uvarov, 1923. *Ent. Mon. Mag.*, 59 : 82.

Lerina Bolivar, 1902. *Annls. Soc. ent. Fr.* 70 : 602.

Lerinnia Uvarov, 1940. *Ann. Mag. nat. Hist.*, 5(11) (26) : 176.

Type species : *Lerina oedipodioides* Bolivar, 1902.

Distribution : India.

Hilethera oedipodioides (Bolivar, 1902)

Lerina oedipodioides Bolivar, 1902, *Annls. Soc. ent. Fr.* 70 : 604 ; Uvarov, 1927. *Spolia zelan* 14(1) : 100.

Distribution : Tamil Nadu (Madura) and Sri Lanka.

Genus Heteropternis Stal, 1873

Heteropternis Stal, 1873 *Recens. Orth.* 1 : 117, 128 ; Sanssure, 1884.

Mem. Soc. Phys. Hist. nat. Geneve, 28(9) : 129 ; Idem, 1888.

ibid., 30(1) : 19, 45.

Thaleius Finot, 1908 *Paris Bull. Soc. ent.*, 77 : 1-6.

Type species : *Acrydium respondens* (Walker, 1859).

Distribution : Oriental region ; Africa.

Heteropternis respondens (Walker, 1859)

Acrydium respondens Walker, 1859 *Ann Mag. nat. Hist.*, 4(3) : 223
Heteropternis pyrrhoscelis Stal, 1873 *Recens Orth.* 1 : 128 ; Saussure, 1884.
Mem. Soc. Phys. Hist. nat. Geneve. 28(9) : 129-130 ; Idem, 1888. *ibid.*,
 30(1) ; 46.

Heteropternis respondens ; Kirby, 1914. *Fauna British India, Orth.* 1 : 141,
 fig. 101 ; Uvarov, 1925. *J. & Proc. Asiat. Soc. Beng.*, 20(6) : 326 ;
 Uvarov, 1927. *Rec. Indian Mus* 29(4) : 235 ; Uvarov, 1927. *Spolia*
Zeylan., 14(1) : 99 ; Uvarov, 1929, *Revue suisse Zool.*, 36 : 546 ;
 Bei-Bienko, 1968. *Rev. Ent. URSS*, 47 : 125, Bhowmik and Halder,
 1982 (in press).

Distribution : Widely distributed all over India. Also known from the Eastern Nepal ; Sri Lanka ; Burma and Far east islands.

Genus Julea Bolivar. 1914

Julea Bolivar, 1914. *Trab. Mus Cienc. nat Madr Madrid* 20 : 58.

Type species : *Julea indica* Bolivar, 1914.

Distribution : India (S. Mysore, Goorghalli estate, 1050m, 1 ♂).

Julea indica Bolivar, 1914

Julea indica Bolivar, 1914. *Trab. Mus. Cien. nat. Madr., Madrid*, 20 : 59.

Distribution : India.

Genus Locusta Linnaeus, 1758

Locusta Linnaeus, 1758 *Syst. Nat. (ed 10)* 1 : 431 ; Schrank, 1781. *Enum. Ins. Austr.* : 256 ; Uvarov, 1915. *Bull. Off nat enti Acrid.*, Paris no 1 : 1-4 ; Uvarov, 1921. *Bull ent Res., Lond.*, 12(2) : 135, 163.

Gryllus Fabricius, 1775. *Syst. Ent* : 287.

Oedipus Berthold, 1827. *Weimar. Indistr. Compt.* 402.

Pachytylus Fieber, 1853. *Lotos*, 3 : 121.

Type species : *Gryllus Locusta migratorius* Linne, 1758

Distribution : All over old World.

Locusta migratoria Ph. migratorioides (Reiche & Fairmaire, 1847)

Gryllus (Locusta) migratorius Linne, 1758. *Syst. nat. (ed 10th)*, 1 : 432.

Oedipoda migratorioides Reiche and Fairmaire, 1847. *Ferret and Galinier*,

Voy. Abyssini, 3 : 430, pt. 28, fig. 12.

Pachytylus migratorioides : Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 119-120.

Pachytylus capito Saussure, 1884. *ibid.*, 28(9) : 119-120.

Locusta migratoria ph. migratorioides : Uvarov, 1921. *Bull. ent. Res.*, Lond., 12(2) : 137, 161-162 ; Uvarov, 1951. *Bull. Off. nat. anti. Acrid.*, Paris no 1 : 1.

Distribution : All Old World except Europe.

***Locusta migratoria ph danica* (Linne, 1767)**

Gryllus locusta danicus Linnaeus, 1767. *Syst. Nat. (ed 12th)* 1(2) : 702.

Pachytylus australis Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 119-120, no 5.

Pachytylus danicus Autivillius, 1900. *Ent. Tidskr.*, 21-247.

Gryllus cinerascens Fabricius, 1781. *Spec. Ins.*, 1 : 369

Locusta danica : Kirby, 1914. *Fauna British India, Orth.* 1 : 146, fig. 104.

Locusta migratoria ph. canica : Uvarov, 1921. *Bull. ent. Res, Lond.* 12(2) : 137, 161.

Distribution : Entire Old World.

Genus *Meristopteryx* Saussure, 1888

Meristopteryx Saussure, 1888. *Mem. Soc. Phys. Hist, nat. Geneve*, 30(1) : 20, 52.

Type species : *Oedipoda rotundata* Walker, 1870.

Distribution : India.

***Meristopteryx rotundata* (Walker, 1870)**

Oedipoda rotundata Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 743.

Meristopteryx rotundata Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 53, fig. 3 (pt. 2) ; Kirby, 1914. *Fauna British India, Orth.* 1 : 148, fig. 105.

Distribution : North Bengal.

Genus *Morphacris* (Walker, 1870)

Morphacris Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 790.

Cosmorphysa Stal, 1873. *Recens. Orth.*, 1 : 116, 121 ; Saussure, 1884. *Mem. Soc. Phys, nat. Geneve*, 28(9) : 50, 123 ; Idem 1888. *ibid.*, 30(1) : 18, 37 ;

Type species : *Morphadris adusta* Walker, 1870.

Distribution : Africa and S. Asia.

Morphacris fasciata sulcata (Thunberg, 1815)

Gryllus fasciatus Thunberg, 1815. *Mem. Acad. Sci. St.-Petersb.*, 5 : 230.

Gryllus sanguineus Thunberg, 1815. *ibid.*, 5 : 231.

Gryllus sulcatus Thunberg, 1815. *ibid.*, 5 : 234.

Oedipoda strigata Serville, 1839. *Ins. Orth.* : 726, no. 7.

Oedipoda venusta Fieber, 1863. *Lotos*, 3 : 123, no. 7.

Morphacris adusta Walker, 1870. *Cat. Derm. Salt. Br. Mus.* 4 : 790 (larva).

Cosmorhyssa costata Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 37.

Morphacris citrina Kirby, 1910, *Syst. Cat. Orth.*, 3 : 219 no. 4 ; Kirby, 1914. *Fauna British India, Orth.*, 1 : 137, fig. 99.

Morphacris fasciata sulcata : Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) :

488-489 ; Uvarov, 1927. *Rec. Indian Mus.*, 29(4) : 235 ; Uvarov, 1927.

Spolia zelan., 14(1) : 99 ; Uvarov, 1929. *Revue suisse Zool.*, 36 : 546.

Distribution : W. Africa, Sri Lanka ; India : Nainpur (M.P.), Jabalpur, Surat, Bombay, Quilon, Marikuppa, S. of Pollachi.

Genus Oedaleus Fieber, 1853

Oedaleus Fieber, 1853. *Lotos*, 3 : 126 (as subgenus of *Oedipoda* Serville) ;

Stal, 1873. *Recens. Orth.* 1 : 123 (as subgenus of *Pachytylus* Fieber) ;

Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(1) : 50.

Type species : *Acrydium nigrofasciatum* Degeer, 1773.

Distribution : Africa, Arabia, S Europe, Middle East, U.S.S.R. China and Oriental region.

Oedaleus abruptus (Thunberg, 1815)

Gryllus abruptus Thunberg, 1815. *Mem. Acad. Sci. St.-Petersb.* 5 : 233.

Pachytylus (Oedaleus) abruptus : Stal, 1873. *Recens. Orth.* 1 : 127.

Oedaleus abruptus : Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*

28(1) : 117 ; Kirby, 1910. *Syn. Cat. Orth.*, 3 : 226 ; Uvarov, 1927.

Rec. Indian Mus 29(4) : 235 ; Uvarov, 1927. *Spolia zelan.*, 14(1) :

99 ; Uvarov, 1929. *Revue suisse Zool.*, 36 : 545 ; Bey-Bienko, 1968.

Ritchie, 1981. *Bull. Br. Mus. nat. Hist. (Ent)*, 42(3) : 104-107, figs. 2, 37, 48, 75-78, 157.

Distribution : Afganistan, India, China, Burma, Nepal, Sri Lanka, Thailand, Very common in India.

Oedaleus rosescens Uvarov, 1942

Oedaleus rosescens Uvarov, 1942. *Ann. Mag. nat. Hist.*, 9(11) : 589,

Ritchie, 1981 *Bull Br. Mus. nat. Hist. (Ent.)*, 42(3) : 141-142, figs. 4, 31, 54, 128-131, 157.

Distribution : Rajasthan (Noak) ; Punjanb (Khewra, Salt range) ; N. E. Pakistan.

Oedaleus senegalensis (Krauss, 1877)

Pachytylus senegalensis Krauss, 1877. *Sber. Akad. Wiss. Wien*, 76(1) : 56.

Ctypohippus arenivolans Butler, 1881. *Proc. Zool. Soc. Lond.* 1881 : 85.

Pachytylus mlokoziejewitzcki Bolivar, 1884. *Annls. Soc. ent. Belg.* 28 : 105.

Oedaleus (Oedaleus) senegalensis var. C. Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 42 ; Uvarov, 1921. *Bull. ent. Res.* 11 : 487.

Oedaleus senegalensis : Bolivar, 1889. *Jorn. Sci. math. Phys. nat.* 1(2) : 104 ; Kirby, 1914. *Fauna British India, Orth.* 1 : 143 ; Uvarov, 1927. *Rec. Indian Mus.* 29(4) : 235 ; Uvarov, 1929. *Revue Suisse Zool.* 36 : 545 ; Cejchan 1961. *Act. Ent. Mus. nat.* 34 : 19 ; Bei-Bienko, 1963. *Fauna de l' Afganistan* 69, 49 : 277 ; Ritchie, 1981. *Bull. Br. Mus. nat. Hist. (Ent.)*, 42(3) : 94-99, figs. 8, 9, 18, 40, 60-65, 160.

Oedaleus senegalensis var. *dimidiatus* Bolivar, 1889. *Jorn. Sci. math. Phys. nat.* 1(2) : 105.

Distribution : North Africa ; Western USSR ; Middle east ; Afghanistan ; Pakistan ; India : Kashmir, Punjab, Pollachi.

Oedipoda Latreilla, 1829

Oedipoda Latreille, 1829. *In Cuvier, R. Anim. ed. 2*, 5 : 188 ; Uvarov, 1936. *Ann. Mag. nat. Hist.*, 18(10) 120-132.

Ctypohippus Fieber, 1852. *Kelch, Orth. Oberschl.* P. 2 ; Fieber, 1853. *Lotos*, 3 : 122.

Type species : *Gryllus locusta caerulescens* Linne, 1758.

Distribution : Asia ; Europe ; N. Africa.

Oedipoda himalayana Uvarov, 1925

Oedipoda himalayana Uvarov, 1925. *Mission Babault Inde, Acrididae*, p. 22.

Distribution : Kashmir.

Oedipoda fedtshenkoi fedtschenkoi (Saussure, 1884)

Oedipoda fedtschenkoi Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 150, n. 3 ; Idem, 1888. *ibid.*, 30(1) : 168, n. 8.

Oedipoda fedtshenkoi fedtshenkoi : Cejchan, 1969. *Acta. Mus. Mor.*
(supple), 54 : 267.

Distribution : Tajikistan ; Afganistan ; West Pakistan.

Genus *Pusana* Uvarov, 1940

Pusa Uvarov, 1921. *Ann. Mag. nat. Hist.* 7(9) : 490-491.

Pusana Uvarov, 1940. *Ann. Mag. nat. Hist.*, 9(11) : 117.

Type species : *Pusana leavis* (Uvarov, 1921)

Distribution : India ; Afganistan.

Pusana leavis (Uvarov, 1921)

Pusa laevis Uvarov, 1921. *Ann. Mag. nat. Hist. Soc.*, 7(9) : 491-492.

Pusana laevis Bhowmik, Halder and Sur, 1982 (in Press).

Distribution : Pusa (Bihar) ; Himachal Pradesh ; Sikkim.

Pusana rugulos (Uvarov, 1921)

Pusa rugulosa Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 492-493 ;

Ramme, 1952. *Vidensk. Medd. Dansk. naturh. Foren* , 114 : 187-202 ;

Bey-Bienko, 1967. *Acta ent. bohemoslov.*, 64 : 431.

Distribution : Pusa (Bihar) ; Afganistan.

Genus *Pternoscirtus* Saussure, 1884

Pternoscirtus Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) :
52, 127 ; Idem, 1888. *ibid.*, 28(9) : 18.

Prionida Stal (nec Leach) 1873. *Recens Orth.* 1 : 116, 127.

Conipoda Saussure, 1884. *ibid.*, 28(9) : 192.

Type species : *Oedipoda saturata* Walker, 1870.

Distribution : Oriental region.

Pternoscirta bimaculata (Thunberg, 1815)

Gryllus bimaculatus Thunberg, 1815. *Mem. Acad. Sci. St.-Petersb.* 5 : 239.

Epacromia turbata Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 776.

Distribution : Sri Lanka.

Pternoscirta caliginosa (De Haan, 1842)

Acridium (Oedipoda) caliginosum De Haan, 1842, *Temminck, Verhandel Orth.* 16 : 161, pt. 21, fig. 11.

Pternoscirta caliginosa Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 127-128.

Distribution : India (Malacca).

Pternoscirta cinctifemur (Walker, 1859)

Acridium cinctifemur Walker, 1859 *Ann. Mag. nat. Hist.*, 4(3) : 223.

Oedipoda saturata Walker, 1870. *Cat. Derm. Salt. Br. Mus.*, 4 : 740.

Pternoscirta humbertiana Saussure, 1884. *ibid.*, 28(9) : 127.

Pternoscirta saturata Saussure, 1888. *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 36.

Pternoscirta cinctifemur : Kirby, 1914. *Fauna British India, Orth.* 1 : 124, fig. 97 ; Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 487 ; Uvarov, 1927. *Rec. Indian Mus.* 29(4) : 235 ; Uvarov, 1929 *Revue suisse Zool.*, 36 : 546. ; Bei-Bienko, 1968. *Rev. Ent. USSR*, 47 : 126.

Distribution : India : Meghalaya (Khasi Hill) ; W.B. (Kurseong) ; Tamil Nadu (Shevaroy, Nilgiris, Lower Palni), Eastern Nepal ; Sri Lanka.

Genus Pseudosphingonotus Shumakov, 1963

Pseudosphingonotus Shumakov, 1963. *Trud. Vsesoyuzu ent. obshch.* 49 : 3-248.

Type species : *Sphingonotus savignyi* Saussure, 1884.

Distribution : N. Africa ; Central and Western Asia ; Russia ; India.

Pseudosphingonotus savignyi (Saussure, 1884)

Sphingonotus savignyi and *strips apicalis* Saussure, 1884 *Mem Soc. Phys. Hist. nat. Geneve*, 28(9) : 198, 208 ; Idem 1888. *ibid.*, 30(1) : 78 ; Savigny, 1809. *Descr. de L Egypte, Ins. Orth* pl. vii, fig. 13, 20.

Sphingonotus savignyi : Kirby, 1914. *Fauna British India, Orth.* 1 : 155 ; Cejchan, 1961. *Act. Ent. Mus. nat. Prague* 34 : 20. Bey-Bienko, 1963. *Faune L Afganistan* (69) 49 : 279.

Distribution : Ladak (Kashmir) ; W Pakistan ; N. Africa ; Central Asia ; Afganistan ; Russia.

Genus Scintharista Saussure, 1884

- Scintharista* **Saussure, 1884.** *Mem. Soc. Phys. Hist. nat. Geneve.*, 28(9) : 121.
Quiroguesia **Bolivar, 1886.** *Bol. Ann. Soc. Espan*, 16 : 515.
Conistica **Saussure, 1884.** *ibid.*, 28(9) : 135.

Type species : *Acridium miniatum* **Brulle, 1842.**

Distribution : Mediterranean region to India.

Scintharista blanchardiana Saussure, 1888

- Quiroguesia brullei* var. *blanchardiana* **Saussure, 1888.** *Mem. Soc. Phys. Hist. nat. Geneve*, 30(1) : 35 ; **Jacoba and Brachim, 1902.** *Pram. Loz. Ross. Imp.*, 252.
Quiroguesia blanchardiana : **Kirby, 1914.** *Fauna British India, Orth.* 1 : 133, fig. 96 ; **Bhowmik and Halder 1982 (in Press).**

Distribution : Africa north of the Equator (S. of Sahara and N. E. Africa) ; Somaliland ; Arabia ; Palestine ; N. W. Provinces (Pakistan) ; India (Bombay and Himachal Pradesh).

Scintharista notabilis pallipes Uvarov, 1941

- Quiroguesia notabilis* **Walker, 1870.** *Cat. Derm. Salt Br. Mus.*, 4 : 745.
Scintharista notabilis pallipes **Uvarov, 1941.** *Proc. R. ent. Soc. Lond. (B)* 10 : 95, pt. 1, fig. B ; **Cejhan, 1969.** *Acta. mus. Mor. Suppl.* 54 : 266.

Distribution : Iran ; India ; Afganistan.

Genus Sphingoderus Bei-Bienko, 1950

- Sphingoderus* **Bei-Bienko, 1950.** *Ent. Obozr.*, 31 : 203.

Type species : *Sphingonotus carinata* **Saussure, 1888.**

Distribution : Europe, Africa and S. W. Asia.

Sphingoderus carinata (Saussure, 1888)

- Sphingonotus caeruleans* var. *carinata* **Saussure, 1888.** *Mem. Soc. Phys. nat. Hist. Geneve*, 30(1) : 79.
Sphingoderus carinata : **Bey-Bienko, 1950.** *Ent. Obozr.*, 31 : 203 ; **Cejhan, 1969.** *Acta. Mus. Mor. (supple)*, 54 : 273.

Distribution : Afganistan ; W. China ; W. Mongolia ; USSR ; S. W. Asia ; N. Africa.

Genus *Sphingonotus* Fieber, 1852

Sphingonotus Fieber, 1852. *Kelch. Orthop. Overschles*, 1852 : 2, Fieber, 1853. *Lotos*, 3 : 124.

Sphingonotus Fischer, 1853. *Orth. Eur.* 1 : 52, 297.

Type species : *Gryllus locusta caerulans* Linne, 1867.

Distribution : Cosmopolitan.

***Sphingonotus balteatus balteatus* (Serville, 1839)**

Oedipoda balteata Serville, 1839. *Ins. Orth.* : 734.

Oedipoda latifasciata Walker, 1870. *Zoologist*, 28 : 2299.

Sphingonotus amaranthinus Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 205.

Sphingonotus balteatus Saussure, 1888. *ibid.*, 30(1) : 78, 86 ; Kirby, 1914. *Fauna British India, Orth.* 1 : 157.

Sphingonotus bifasciatus Innes Bey, 1919. *Bull. Soc. ent. Egypte*, 11 : 45, 48.

Sphingonotus balteatus balteatus : Uvarov, 1923. *J. Bombay nat. Hist. Soc.*, 29(3) : 645-646.

Distribution : Bombay ; Perim Island ; Arabia.

***Sphingonotus caerulans* (Linnaeus, 1767)**

Gryllus caerulans Linne, 1767. *Syst. nat. (ed 12)* 1(2) : 701.

Sphingonotus caerulans : Fieber, 1853. *Lotos*, 3 : 125 ; Kirby, 1914. *Fauna British India, Orth.* 1 : 154.

Sphinetonotus caerulans : Bolivar, 1876. *Ortopt. Espan*, p. 154.

Distribution : Asia ; India (Himalayas) ; Europe and Africa.

***Sphingonotus fallax* Mistshenko, 1937**

Sphingonotus fallax, Mistshenko, 1937. *Eos*, 12 : 153.

Distribution : Kashmir.

***Sphingonotus kashmirensis* Uvarov, 1925**

Sphingonotus kashmirensis Uvarov, 1925. *Mission Babault Inde, Acrididae* p-18, figs. 2-4 ; Cejhan, 1969. *Acta. Mus. Mor. n. sci. suppl.* 54 : 271.

Distribution : Kashmir (India) ; Afganistan.

Sphingonotus longipennis Saussure, 1884.

Sphingonotus longipennis Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(9) : 197-203 ; *Idem*, 1888. *ibid.*, 30(1) : 78 ; Uvarov, 1927. *Rec. Indian Mus.*, 29(4) : 236 ; Bey-Bienko, 1968. *Rev Ent. USSR.*, 47 : 126.

Sphingonotus indus Saussure, 1884. *ibid.*, 28(9) : 204.

Distribution : Africa ; Europe ; Asia ; India ; Assam (Sylhet, Darang) ; Darjeeling ; Eastern Nepal ; Punjab.

Sphingonotus montanus Mistshenko, 1937

Sphingonotus montanus Mistshenko, 1937. *Eos*, 12 : 138.

Distribution : India ; Arabia.

Sphingonotus nebulosus discolor Uvarov, 1933

Sphingonotus nebulosus discolor Uvarov, 1933. *Tr. zool. inst. AN USSR* (1932) 1 : 199 ; Cejhan, 1969. *Acta Mus. Mor. (supple)* 54 : 272.

Distribution : Kazakstan ; Tajikistan ; Iran ; Afganistan ; West Pakistan.

Sphingonotus pamiricus Ramme, 1930

Sphingonotus pamiricus Ramme, 1930. *Mitt. Zool. Mus. Berl.*, 16 : 212.

Distribution : Pamirs.

Sphingonotus pictus onerosus Mistshenko, 1936

Sphingonotus pictus onerosus Mistshenko, 1936. *Eos*, 12 : 108.

Distribution : Afganistan ; Iran ; West Pakistan.

Sphingonotus rubescens rubescens (Walker, 1870)

Oedipoda rubescens Walker, 1870. *Zoologist*, 5(2) : 2301.

Sphingonotus rubescens : Kirby, 1914. *Fauna British India, Orth.* 1 : 155 ; Uvarov, 1927. *Rec. Indian Mus.*, 29(4) : 236 ; Bei-Bienko, 1963. *Faune de l' Afganistan* 69, 47 : 279.

Sphingonotus rubescens rubescens : Mistshenko, 1937. *Eos*, 12 : 195 ; Cejhan, 1969. *Acta. Mus. Mor. n. Sci. supple.*, 54 : 270.

Distribution : Africa ; Europe ; Asia ; India ; Afganistan ; W. Pakistan.

Genus *Trilophidia* Stal, 1873

Trilophidia Stal, 1873. *Recens. Orth.*, 1 : 131 ; Hollis, 1965. *Trans. R. ent. Soc. Lond.* 117(8) : 249-250.

Type species : *Oedipoda cristella* Stal, 1860.

Distribution : Ethiopian, Oriental Regions and portion of Palaearctic region (Mongolia, China, Korea and Japan).

Trilophidia annulata (Thunberg, 1815)

Gryllus annulatus Thunberg, 1815. *Mem. Acad. Sci. St.-Petersb.* 5 : 234.

Gryllus bidens Thunberg, 1815. *ibid.*, 5 : 235.

Acridium (Oedipoda) vulneratum de Haan, 1842. *Temminck Verhandl Orth.* 16 : 163, fig. 13.

Oedipoda cristella Stal, 1860. *Engenic's Resa, Orth. Stockholm*, 3 : 344.

Epacromia aspera Walker, 1870. *Cat. Derm Salt Br. Mus.* 4 : 775.

Epacromia turpis Walker, 1870. *ibid.*, 4 : 775.

Epacromia nigricans Walker, 1870. *ibid.*, 4 : 776.

Trilophidia annulata var. *ceylonica* Saussure, 1884. *Mem. Soc. Phys. Hist. nat. Geneve*, 28 : 158.

Trilophidia annulata var. *japonica* Saussure, 1888, *Mem. Soc. Phys Hist. nat. Geneve*, 30(1) : 54.

Trilophidia annulata var. *mongoloca* Saussure, 1888. *ibid.* 30(1) ; 54.

Trilophidia annulata ; Kirby, 1914. *Fauna British India.*, *Orth.* 1 : 149 ;

Uvarov, 1921. *Ann. Mag. nat. Hist.*, 7(9) : 488 ; Uvarov, 1929.

Revue suisse Zool., 36 : 546 ; Bey-Bienko, 1968. *Rev Ent. USSR*,

47 : 126 ; Hollis, 1965. *Trans. R. ent. Soc. Lond.* 117(8) : 251,

figs. 2-4, 8, 12, 17-19, 26 ; Bhowmik and Halder (in Press).

Distribution : Throughout Oriental Regions ; Java ; Japan ; Phi ippines.

SUMMARY

A short, broad outline of distribution and an index-catalogue of all genera and species of four subfamilies, Acridinae, Truxalinae, Gomphocerinae and Oedipodinae, of the superfamily Acridoidea known at present to occur chiefly in India are presented here. The species are arranged alphabetically under the genera, and, the arrangement of the

genera is also alphabetical. Generic and specific synonyms, junior homonyms and deliberate variations in spelling are listed chronologically under the valid name. The type-species is cited for all valid generic names and distributional range of the genus noted. The catalogue includes 56 genera belonging to 102 species and 19 subspecies, of which 15 genera (27%) and 56 species (45%) are endemic. The distribution-pattern of the genera and species are discussed with a table showing affinity of Indian genera and species.

REFERENCES

- BHOWMIK, H. K. 1985 (1983). Report on a collection of Orthoptera (Insecta) from three north-eastern districts of Andhra Pradesh and Chilka Lake. *Indian Mus. Bull.*, 18 : (in press).
- BHOWMIK, H. K. and HALDER, P. 1984 Preliminary distributional records with remarks on little known species of Acrididae (Orth. : Insecta) from the Western Himalaya (Himachal Pradesh). *Rec. Zool. Surv. India*, 81 : 167-192.
- BRUNNER, V W 1893. Revision du systeme dae Orthopteres et descriptions des especes rapportees par M. Leonardo Fea de Birmanie. *Annali Mus. Civ. Stor. nat. Giacomo Do ia Geneva*, Ser 2, 13(33) : 1-230, pts 1-6.
- DIRSH, V M. 1950 (1951). Revision of the group Truxales (Acrididae) *Eos. Tomo-extraordin* 1950 (1951) : 122-123 (119-247).
- DIRSH, V M. 1956. The phallic complex in Acridoidea (Orth.) in relation to taxonomy. *Trans. R. ent. Soc. Lond.* 108(7) : 257-258.
- DIRSH, V M. 1961 A preliminary revision of the families and sub-families of Acridoidea (Orthoptera : Insecta). *Bull Br Mus. nat. Hist. (Ent.)*, 10(9) : 351-419.
- DIRSH, V M. 1965. *The African genera of Acridoidea*. Cambridge, 579 pp+8.
- JAGO, N. D. 1971. A review of the Gomphocerinae of the world with a key to the genera (Orth. : Acrididae), *Proc. Acad. nat. Sci. Philad.*, 123(8) : 205-343, 401 figs.
- KIRBY, W F. 1910. *A Synonymic Catalogue of Orthoptera*. 3. Orth. Salt. part 2 *Locustidae vel Acrididae*, 1-299.

- KIRBY, W. F. 1914. *The Fauna of British India including Ceylon and Burma. Orthoptera (Acrididae) Vol. 1 : IX-276 pp.*, London.
- REHN, J. A. G. 1953. *The Grasshoppers and Locusts (Acridoidea) of Australia. Vol. 2 : 15.*
- REHN, J. A. G. and GRANT, H. J. 1959. Critical remarks on a recent contribution of the taxonomy of the Acridoidae (Orth.) by V. M. Dirsh. *Ent. News*, 70(9) : 245-249.
- REHN, J. A. G. and GRANT, H. J. 1960. A new concept involving the subfamily Acridinae (Orth. Acridoidae). *Trans. Am. ent. Soc.*, 86(3) : 173-185.
- ROBERTS, H. R. 1941. A comparative study of the subfamilies of the Acrididae (Orth.) primarily on the basis of their phallic structures. *Proc. Acad. nat. Sci. Philad.*, 113 : 207-246.
- UVAROV, B. P. 1942. New and less known Southern Palaearctic Orthoptera. *Trans. Amer. ent. Soc. Philad.*, 67 : 303-361, pls 25-29.
- UVAROV, B. P. 1966. Grasshoppers and Locusts. A handbook of general Acridology, Vol. 1, University Press, Cambridge, 1-481, 245 figs.

INDEX

Valid names are in roman type, invalid names in italics

- abbreviatus*, p. 24
abruptus, p. 36
Acrida, p. 7
Acridella, p. 16
Acrotylus, p. 27
acuta, p. 25
Acutipennis, p. 24
adusta, p. 35, 36
aegyptia, p. 25
Aeolopus, p. 28
Aeoloptilus, p. 28
aethiopica, p. 25
affinis, *Epacromia*, p. 28
affinis, *Platypterna*, p. 25
africanus, p. 31
africanus africanus, p. 32
africanus var. orientalis, p. 32
africanus var. zebrata, p. 32
africanus sulphureus, p. 32
Aiolopus, p. 27
alata, p. 19
albolineatus, p. 10, 11
almorans, p. 19
amaranthinus, p. 41
Anaptygus, p. 8
angustidorsis, p. 14
angustidorsis longipennis, p. 14
angustipennis, p. 15
annulata, p. 43
annulata var. ceylonica, p. 43
annulata var. japonica, p. 43
annulata var. monogloca, p. 43
antennata, *Phlaeoba*, p. 13
antennata, *Gonista*, p. 10
antennata malayensis, p. 13
apicalis, p. 22
arenivolans, p. 37
armillatus, p. 9
assama, p. 14
assimilis, p. 32
aspera, p. 43
Aswatthamanus, p. 24
Aulacobothrus, p. 20, 21, 22
australis, p. 35
Azarea, p. 17
Bababuddinia, p. 17
balteata, *Oedipoda*, p. 30
balteata, *Sphingonotus*, p. 41
balteatus balteatus, p. 41
bengalensis, p. 30
Berengueria, p. 20
bicolor, p. 21
bldens, p. 43
bifasciatus, p. 41
bimaculata, p. 38
bitaeniata, p. 10
bivittata, p. 25
bizonata, p. 18
blanchardiana, p. 40
bolivari, *Dnopherula*, p. 20
bolivari, *Zygophlaeoba*, p. 16
Brachycrotaphus, p. 18
Bramina, p. 30
brevicollis, p. 8
Bryodema, p. 29
brullei var. blanchardiana, p. 40
burmana, p. 33
caerulans, p. 40, 41
caliginosa, p. 39
capito, p. 35
Capulica, p. 18
carinata, *Carliola*, p. 8

- carinata*, Paraduronia, p. 12
carinata, Sphingoderus, p. 40
Carlia, p. 8
Carliola, p. 8
cariniventris, p. 26
Cephalotes, p. 24
Ceracris, p. 9
ceylonica, Dittopternis, p. 31
ceylonica. paraphlaeoba, p. 12
Chloebora, p. 29
Chondronotulus, p. 30
Chorthippus, p. 19
Chrysochraontes, p. 19
cinctalis, p. 9
cinctifemur, p. 39
cinerascens, p. 35
citrina, p. 36
collina, p. 16
collinus, p. 21
Conipoda, p. 38
Conistica, p. 40
conspicua, p. 9
Cophotylus, p. 30
Cosmorphysa, p. 35
costata, p. 36
crassa, p. 29
cristella, p. 43
cruciata, p. 23
ctypohippus, p. 37
curta, p. 8
curvifrons, p. 25
cylindricus, p. 24
darjeelingensis, p. 11
dasycnemis, p. 11
dawsoni, p. 20
decisus, p. 21
deflorata, p. 9
Dhimbama, p. 20
Dittopternis, p. 31
Dnopherula, p. 20
Dociostaurus, p. 21
Duronia, p. 9
Duroniopsis, p. 10
Epacromia, p. 27
epacromoides, p. 23
exaltata, p. 7
exemplaris, p. 23
eximia, p. 17
fallax, p. 41
fasciatus, p. 36
fasciata sulcata, p. 36
fedtshenkoi fedtshenkoi, p. 37
filata, p. 10
(?) filatus, p. 10
Gastrimargus, p. 31
Geea, p. 9
Gelastorrhinus, p. 10, 11
geniculata, p. 25
gerstaeckeri, p. 11
Glyptobothrus, p. 19, 20
Gonista, p. 10
gracilis, paraphlaeobida, p. 13
gracilis, Ochridia, p. 25
gracilis, Platypterna, p. 25
gracilis gracilis, p. 25
Grammoscapha, p. 33
grandis fitzgeralis, p. 17
grossa, p. 29, 30
Gryllus, p. 7, 28, 32
hammerstroemi, p. 20
henryi, p. 15
Heteropternis, p. 33
Hilethera, p. 33
himalayana, p. 37
hingstoni, p. 26
Holopercna, p. 11
hoshiarpurensis, p. 18
humbertianus, p. 27

- inda*, p. 29
indica, *Acrida*, p. 8
indica, *Azarea*, p. 17
indica, *Julea*, p. 34
indica, *Leva*, p. 23
indica, *Orthochtha*, p. 12
indicus, *Brachycrotaphus*, p. 18
indicus, *Chorthippus*, p. 19
indicus, *Gymnobothrus*, p. 23
indus, p. 42
infernus, p. 21
inficita, p. 27
infumata, p. 14
insignis, p. 13
insubricus, p. 27
insubricus inficita, p. 27
insubricus insubricus, p. 27
Julea, p. 34
kashmirensis, p. 41
kirbyella, p. 13
kirmania, p. 24
kraussi, p. 25
kuthya, p. 9
ladakiae, p. 25
laeta, p. 9
laevis, p. 38
laticornis, p. 10
laticosta, p. 28
latifasciata, p. 41
Leproya, p. 24
Lerina, p. 33
Lerinnia, p. 33
Leva, p. 22
lloydi, p. 17
Locusta, p. 34
longiceps, p. 18
longipennis, p. 42
luctuasum indum, p. 29
Luenia, p. 20
lugubris, p. 8
luteipes, p. 21
Macrocy mochtha, p. 11
Madurea, p. 23
marmoratus, p. 32
marmorata var. africana, p. 32
marshalli, p. 30
Martinella, p. 24
Meristopteryx, p. 35
Mesops, p. 10
Mesopsis, p. 24
migratoria ph. danica, p. 35
migratoria ph. migratorioides,
p. 34, 35
mlokoziwiztcki, p. 37
montanus, p. 42
Morphacris, p. 35
mundus, p. 23
nasuta, p. 17
nebulosus discolor, p. 42
nigricans, p. 43
nigricornis, p. 9
nigricornis nigricornis, p. 9
nigricornis laeta, p. 9
nilotica, p. 25
notabilis, p. 40
notabilis pallipes, p. 40
obtusa, p. 25
Ochrilidia, p. 18, 24
Oedaleus, p. 36
Oedipoda, p. 29, 30, 31, 37
Oedipus, p. 34
oedipodioides, p. 33
Omocestus, p. 26
Opomala, p. 10, 11
Orthochtha, p. 11
Pachytylus, p. 32, 34
pamiricus, p. 42
panteli, p. 14

- Paraduronia, p. 12
 Paraphlaeoba, p. 12
 Paraphlaeobida, p. 13, 15
Parapleurus, p. 9
 Pasiphimus, p. 25
 Perella, p. 13
 Phlaeoba, p. 9, 13
 Phlaeobida, p. 15
 Phonogaster, p. 26
Phorenula, p. 20
 physopoda, p. 21
pictipes, p. 25
 pictus onerosus, p. 42
 platyceps, p. 12
Platypterna, p. 24
Platypternella, p. 24
Platypternopsis, p. 24
Prionida, p. 38
pruinosa agedabidae, p. 25
Psectrocnemus, p. 18
 Pseudophaeoba, p. 15
 Pseudosphingonotus, p. 39
 Pternoscirtus, p. 38
 pulla, p. 19
 punjabi, p. 30
Pusa, p. 38
 Pusana, p. 38
pyrrhoscelis, p. 34
 Quiroguesia, p. 40
 ramakrishnai, p. 14
Rasperecta, p. 11
 rectus, p. 8
 respondens, p. 34
 roscens, p. 36
rothschildi, p. 25
 rotundata, Phlaeoba, p. 14
 rotundata, Meristopteryx, p. 35
rubescens, p. 42
 rubescens rubescens, p. 42
rubripes, p. 22
rufostriatus, p. 28
rugulosa, p. 38
rusticus, p. 13
 sagitta, p. 11
 sagittaeformis, p. 26
sanguineus, p. 36
saturata, p. 39
 savignyi, Pseudosphingonotus, p. 39
 (?) *savignyi*, Heteropternis, p. 28
 Scintharista, p. 30, 40
Scyllina, p. 21, 20
selache, p. 11
semipicta, p. 11
 senegalensis, p. 37
Sikkimiana, p. 11
 sikkimensis, p. 15
 simoni, p. 12
simulatrix, Acrotylus, p. 28
simulatrix, *Epacrumia*, p. 28
 simulatrix simulatrix, p. 28
 sinensis, p. 22
 sinuatocollis, p. 16
Sjoestedtia, p. 11
 socius, p. 22
soluta, p. 23
Sphinctonotus, p. 41
 Sphingoderus, p. 40
 Sphingonotus, p. 30, 41
 splendens, p. 30
 Stauroderus, p. 23
 Stenobothrus, p. 21, 22, 23, 26
Stenohippus, p. 22, 23
strepens, p. 28
 striatus, p. 10
 strictus, p. 22
strigata, p. 36
 sukhadae, p. 11
sulphureus, p. 32

- taeniatus, p. 21
tamulus, p. 28
thalassinus,
thalassinus tamulus, p. 28
thalassinus thalassinus, p. 28
Thaleius, p. 33
Ticra, p. 20
transversus, p. 32
trapezoides, p. 23
tricoloripes, p. 28
Trilophidia, p. 43
truncaticollis, p. 16
Truxalis, p. 7, 8, 16
Tryxalis, p. 16
tryxaloides, p. 11
turbata, p. 38
turbatus, p. 23
turpis, p. 43
turritus, p. 7
uvarovi, p. 25
varicornis, p. 16
variopicta, p. 25
venusta, Dittopternis, p. 31
venusta, Oedipoda, p. 31
versicolor, p. 9
virescen , p. 32
vulneratum, p. 43
walhousci, p. 15
zebrata. p. 31
Zygophlaeoba, p. 15
-

Table 1. Showing distributional affinity of Indian genera and species.
 (*indicates indigenous genera and **indicates endemic species)

Genera

Subfamily Acridinae	India	Sri Lanka	Burma	Pakistan	Other Oriental Countries	Ethiopia	Palaearctic	Cosmopolitan
Acrida	+	+	+	+	+	+	+	+
*Anaptypus	+							
*Carliola	+							
Ceracris	+		+		+			
*Duropniopsis	+							
Gelastorrhinus	+					+		
Gonista	+	+			+			
Holopercna	+					+		
Orthochta	+					+		
Paraduronia	+	+						
Paraphlaeoba	+	+						

Name of Indian Species	Z	E	S	W	India	Remarks
exaltata	+	+	+	+	+	Also other Oriental countries
**indica						
**rectus	+					Restricted to S. India
**carinata			+			
deplorata		+				Also Burma
nigricornis nigricornis		+				
**n. laeta		+			+	Restricted to Darjeeling and Sikkim
striatus						
**bitaeniata					+	(?)
**jaticornis				+		
**filata	+					Also Sri Lanka and Burma
sagitta		+	+			
**darjeelingensis				+		
sukhadae		+				
**indica	+	+				
**carinata			+			
simoni			+			Yet restricted to Sri Lanka
**platyceps						
ceylonica						Restricted to Sri Lanka

Name of Indian Species	N	E	S	W	India	Remarks
**indica **bizonata	+		+			Restricted to South India
**hoshiarpurensis **indica **longiceps			+	+	+	
**alata **chrysochraontes **pulla			+		+	Restricted to Karnataka
**almorans indus hammerstroemi	+					Restricted to U.P. Also Pakistan Also Siberia & China
**dawsoni bolivari **collinus **decisus **infernus luteipes		+	+			Restricted to S. India Also E. Afganistan
**physopoda **rubripes sinensis **socius **strictus	+	+	+	+		Both the species from Darjeeling Also Burma

Name of Indian Species	N	E	S	W	India	Remarks
**gracilis			+			Pusa (Bihar) Manipur and West Bengal Also Burma and E. Nepal Also E. Nepal Restricted to Sri Lanka Restricted to Sri Lanka Restricted to Sri Lanka Also Pakistan, Afganistan, Middle east also Arab Also cosmopolitan
**insignis		+				
**antennata		+				
**angustidorsis			+			
**assama		+				
infumata		+				
**ramakrishnai			+		+	
**rotunda			+			
**panteti		+	+			
sikkimensis		+				
**angustipennis			+			
henryi						
**collina			+			
bolivari						
**sinuaticollis			+			
**truncaticollis			+			
varicornis						
exima					+	
gransis fitzgenalis	+					
nasuta				+		

Name of Indian Species	N	E	S	W	India	Remarks
**apicalis				+		Restricted to Bombay Also Sri Lanka
cruciata			+			
indica		+	+	+		Also Sri Lanka
**mundus			+			Restricted to Bombay
**trapezoides					+	
**cephhalotes			+			Restricted to S. India
**cylindricus		+	+			Restricted to Bihar and Andhra Pradesh (new record)
geniculata					+	Also Africa and Middle east countries
gracilis gracilis	+					Also Africa
**sagittaeformis					+	
**cariniventris			+			Restricted to S. India
hingstoni	+					Mt. Everest-highest altitude recorded species.
humbertianus		+	+	+		Also Sri Lanka ; Pakistan ; Afganistan. Also cosmopolitan
insubricus				+		
insubricus						
i. inflictus				+		Also cosmopolitan
simulatrix	+	+	+	+		Also Africa, Arabia, Burma
simulatrix						
thalassinus tamulus	+	+	+	+		Also Oriental and Australia
t. thalassinus	+			+		

	India	Sri Lanka	Burma	Pakistan	Other Oriental Countries	Ethiopia	Palaeartic	Cosmopolitan
Bryodema	+				+		+	
Chloebora	+	+		+		+		
*Chondronotilus	+							
Cophotylus						+	+	
Dittopternis	+	+	+		+			
Gastrimargus	+	+	+	+	+	+	+	Old World
Grammoscapa			+					
Heteropternis	+				+	+		
Hilethera	+	+						
*Julea	+							
Locusta	+			+	+	+	+	
*Meristopteryx	+							

Name of Indian Species	N	E	S	W	India	Remarks
luctuosum indum	+					Also Tibet
crassa		+	+	+		Also Pakistan
grossa			+	+		Also Pakistan
marshali		+	+			Also Sri Lanka
**bengalensis		+				Restricted to 'Bengal'
splendens						Restricted to Baluchistan (Pakistan)
ceylonica						Restricted to Sri Lanka
**venusta		+	+			
zebrata					+	Also Burma
africanus africanus	+	+	+	+		Also Ethiopia
a. sulphreus	+					Also Nepal and Pakistan
marmoratus		+				Also Oriental and Australian countries
burmina						Restricted to Lower Burma
respondens	+	+	+	+		Also Sri Lanka ; Burma and Far-east isles
oedipodiodes			+			Also Sri Lanka
**indica			+			
migratoria migratoria					+	| Entire old world|
m. danicata					+	
**rotundata		+				Restricted to 'Bengal'

Name of Indian species	Z	E	S	W	India	Remarks
<i>fasciata sulcata</i>			+	+		Also Sri Lanka & Africa
<i>abruptus</i>	+	+	+	+		Also other Oriental countries
<i>rosescens</i>	+			+		Also Pakistan
<i>senegalensis</i>	+		+			Also entire old world
<i>fedtshenkeoi</i>						Pakistan ; Afganistan ; USSR
<i>fedtshenkeoi</i>						
** <i>himalaya</i>	+					Restricted to 'Kashmir'
<i>savignyi</i>	+					Also entire Old World
<i>bimaculata</i>						Restricted to Sri Lanka
<i>caliginosa</i>			+			Restricted to Malacca
<i>cinctifemur</i>		+	+			Also Sri Lanka
** <i>laevis</i>		+		+		
<i>rugulosa</i>		+				Also Afganistan
<i>blanchardina</i>	+			+		Also Pakistan ; Middle East ; Africa
<i>notabilis pallipes</i>					+	Also Iran and Afganistan
<i>carinata</i>						Entire Old World
<i>balteatus baltetaus</i>				+		Also Arabia
<i>caeruleanus</i>	+					Also Asia ; Africa ; Europe
** <i>fallax</i>	+					Only Kashmir
<i>kashmirensis</i>	+					Also Afganistan
<i>longipennis</i>	+	+				Also Asia ; Africa and Europe
<i>montanxs</i>					+	Also Arabia
<i>rubescens rubescene</i>					+	Entire Old World
<i>annulata</i>	+	+	+	+		Also Oriental Countries : Java ; Japan etc.