

## ORTHOPTERA: INSECTA OF CHANDIGARH (UT) AND SURROUNDING AREAS

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### INTRODUCTION

Grasshoppers species vary in densities and dominance depending on the soil, vegetation, topography and use of a habitat. Grasshopper infestations or assemblages consist of the individuals of several species that live together in the same habitat of competing for available food and space. Grass feeding species of grasshoppers are the most numerous in the present study. Approximately 20,000 species are known from the world and are nearly 10% are known from India (Tandon & Hazra, 1998). Shishodia *et al.*, 2010 studied the 1033 species of Orthoptera from India out of approximately 24,000 species from World. The well-planned town of Chandigarh (altitude 347 m asl) is located between longitude 76°43' and 76°51'E, and between latitude 30°40' and 30°47'N at the base of the Shiwalik range of the Himalaya. It is sandwiched between the states of Punjab and Haryana. Sukhna lake bounds it in the east, while Patiali Rao rivulet lies on its western border. The Union Territory of Chandigarh also includes low Shiwalik hills in the northern part of the city. These Shiwalik hills comprise the catchments of manmade Sukhna Lake, formed by the impoundment of Sukhna Choe.

The city of Chandigarh is bestowed with a wide variety of ecological niches like thick forests of Shiwaliks, Sukhna wetland, ornamental trees, orchards, soil binding weeds and grasses, and ponds around. The Union Territory of Chandigarh

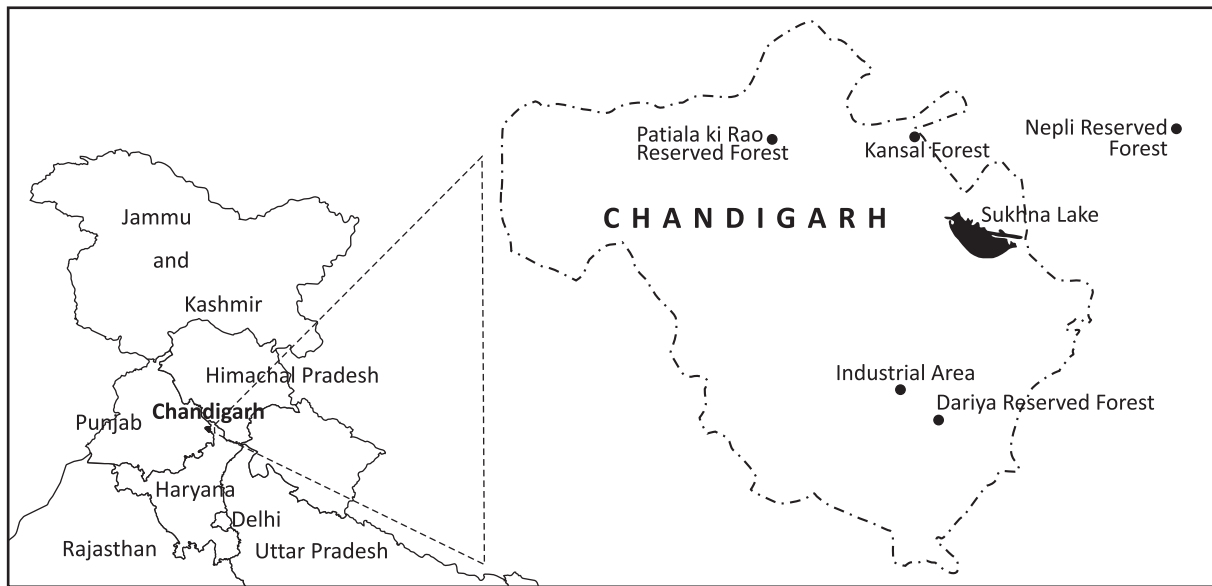
falls under hot and dry foothill bioclimatic zone (Duggal, 1968). The area enjoys a semi-arid monsoon type of climate, characterized by three seasons, namely winter, summer and rainy. The climate remains dry for 7 months, sub humid in October, humid in January and per humid in July to September. Total normal annual rainfall is about 1,000 mm. Most of the rainfall occurs during the monsoon season from July to September.

Orthopterans are important pests of some crops, vegetables and forests and cause considerable damage. The studies on this group of insect dates back to Serville (1831) and gained importance with the further contributions of Kirby (1914), Uvarov (1927) Chopard (1969), Tandon(1976), Bhowmik and Halder (1983), Bhowmik (1985) and Shishodia *et al.*, 2010.

### MATERIALS AND METHODS

Twelve extensive (7-12 days each) and intensive (1-2days) surveys were undertaken from time to time representing different seasons covering various localities (Map 1) and ecological niches as follows: Northern side which is part of Shiwalik hills, with forests and typical hill streams in Kansal, Nepli and feeders of Sukhna lake. Eastern side of Sukhna lake, Southwest overflow drain and waste water drain upto Zirakpur.

The present study is based on the collection of Orthoptera brought by various survey parties of Zoological Survey of India, Solan, India.



**Map-1** Showing the collection localities in Chandigarh (UT) & surrounding area.

Specimens are generally killed in killing bottle. After killing the specimens are removed from the bottle within half an hour or so to avoid damage to coloration and are kept in paper envelopes. Some soft body specimens are preserved in 90 % ethyl alcohol. The collection brought from the field has to be made ready for pinning and permanent storage in National Zoological Collection. Classification followed here is after Drish (1965) and Uvarov

(1966). Bhowmik (1985) is also a useful guide for family Acrididae.

## RESULTS

The present paper enumerates 58 species (Table-1) of Orthoptera from the area. All material studied here in under are deposited in the National collection of the Zoological Survey of India, Solan.

**Table 1.** Represents the species with % relative abundance

S. No.	Species	% Relative Abundance
1	<i>Acrida exaltata</i> (Walker, 1859: 222)	9.88
2	<i>Phlaeoba infumata</i> Brunner von Wattenwyl, 1893: 124	4.06
3	<i>Phlaeoba panteli</i> Boliver, 1902: 581.	1.74
4	<i>Ceracris nigricornis nigricornis</i> Walker, 1870: 791.	4.65
5	<i>Trilophidia annulata</i> (Thunberg, 1815: 234)	1.74
6	<i>Pusana leavis</i> (Uvarov, 1921: 491)	13.95
7	<i>Oedaleus abruptus</i> (Thunberg, 1815: 233)	1.74
8	<i>Gastrimargus africanus africanus</i> (Saussure, 1888:39)	1.16
9	<i>Gastrimargus marmoratus</i> (Thunberg,1815:232)	1.74
10	<i>Acrotylus humbertianus</i> Saussure, 1884:189	0.58
11	<i>Acrotylus insupircus inficita</i> (Walker, 1870:742)	0.58
12	<i>Scintharista notables blachardiana</i> (Saussure, 1888:35)	1.74
13	<i>Gonista sagitita</i> (Uvarov, 1912:10)	0.58

Table 1. contd.

S. No.	Species	% Relative Abundance
14	<i>Mesopsis cylindricus</i> (Kirby, 1914: 101)	0.58
15	<i>Aulacobothrus socius</i> Boliver, 1902 :599	0.58
16	<i>Aulacobothrus luteipes luteipes</i> (Walker, 1871 :82)	1.16
17	<i>Aulacobothrus sinensis</i> (Uvarov, 1925 :318)	0.58
18	<i>Gelastorhinus laticornis</i> (Serville,1838: 590)	0.58
19	<i>Spathosternum prasiniferum prasiniferum</i> (Walker, 1871 :65)	1.74
20	<i>Hieroglyphus banian</i> (Fabricius, 1798 :194)	3.48
21	<i>Hieroglyphus concolor</i> (Walker, 1870 :646)	1.16
22	<i>Oxya hyla hyla</i> Serville, 1831 :287	6.39
23	<i>Oxya fuscovittata</i> (Marschall, 1836 :211)	2.9
24	<i>Eyprepocnemis alacris alacris</i> (Serville, 1839 :682)	1.16
25	<i>Eyprepocnemis roseus</i> Uvarov, 1942 : 597	0.58
26	<i>Tylotropidius varicornis</i> (Walker, 1870 :667)	1.16
27	<i>Xenocatantops humilis humilis</i> (Serville, 1839 :662)	1.16
28	<i>Pachyacris vinosa</i> (Walker, 1870: 587)	1.16
29	<i>Choroedocus illustris</i> (Walker, 1870 :663)	0.58
30	<i>Diaboloecatantops innotabilis</i> (Walker, 1870 :629)	2.9
31	<i>Aularches miliaris miliaris</i> (Linnaeus, 1758:432)	1.16
32	<i>Atractomorpha crenulata</i> (Fabricius, 1793: 28)	1.74
33	<i>Chrotogonus tr. trachypterus</i> (Blanchard, 1836:618)	3.48
34	<i>Poecillocerus pictus</i> (Fabricius, 1775 :289)	0.58
35	<i>Hedotettix costatus</i> Hancock, 1912: 147	0.58
36	<i>Hedotettix gracilis</i> (Haan, 1842:169)	1.74
37	<i>Ergatettix dorsiferus</i> (Walker, 1871 :825)	0.58
38	<i>Ergatettix guenthari</i> Steinmann, 1970 :234	1.16
39	<i>Euparatettix histricus</i> Stal, 1861 : 347	0.58
40	<i>Gryllotalpa africana</i> Beauvois, 1805 :229	0.58
41	<i>Loxoblemmus detectus</i> (Servile, 1838:356)	1.16
42	<i>Gryllus bimaculatus</i> De Geer, 1773 :521	0.58
43	<i>Acheta domesticus</i> (Linnaeus, 1758 :428)	1.16
44	<i>Plebeigryllus gutteventris gutteventris</i> (Walker, 1871 :6)	1.74
45	<i>Teleogryllus(Macroteleogryllus) mitratus</i> (Burmeister, 1838 :34)	1.74
46	<i>Teleogryllus (Brachyteleogryllus) occipitalis</i> (Serville, 1838 :339)	0.58
47	<i>Turanogryllus histrio</i> (Saussure, 1877:229)	0.58
48	<i>Dianemobius fascipes</i> (Walker, 1869 :67)	1.16

Table 1. contd.

S. No.	Species	% Relative Abundance
49	<i>Dianemobius csikii</i> (Boliver, 1901:248)	0.58
50	<i>Meloimorpha cincticornis</i> (Walker, 1870 :469)	0.58
51	<i>Euscyrthus hemelytrus</i> (Hann, 1842 :231)	0.58
52	<i>Trigonidium humvertianum</i> (Saussure, 1878 :468)	0.58
53	<i>Letana megastridula</i> Ingrisch, 1990 :258	0.58
54	<i>Letana linearis</i> Walker, 1869 :278	0.58
55	<i>Elimaea securigera</i> Brunner von Wattenwyl, 1878 :93	0.58
56	<i>Isopsera pedunculata</i> Brunner von Wattenwyl, 1878 :220	0.58
57	<i>Sathrophyllia femorata</i> (Fabricius, 1787 :233)	0.58
58	<i>Mecopoda elongate elongate</i> (Linnaeus, 1758 :429)	1.74

**SYSTEMATIC LIST**

Order ORTHOPTERA

Sub order CAELIFERA

Infraorder ACRIDIDEA

Super Family ACRIDOIDEA

Macleay, 1821: 2.

Family ACRIDIDAE Macleay, 1821: 2.

Sub family ACRIDINAE Macleay, 1821: 2.

Genus *Acrida* Linnaeus, 1758: 427.1. *Acrida exaltata* (Walker, 1859: 222)1859. *Truxalis exaltata* Walker, F. *Ann. Mag. nat. Hist.*, **34**: 2222008. *Acrida exaltata* Ganguly, Malakar, Anand, S. Das & Haldar. *Jour. Orth. Res.*, **17**(1): 972010. *Acrida exaltata* Azim & Reshi. *Acta Zool. Mex. (n.s.)* **26**(1): 2202012. *Acrida exaltata* Nayeem & Usmani. *Munis Entomology & Zoology*, **7**(1): 404

*Material examined:* 1♂, Patiali Rao Reserve Forest, 27.VIII.2000, M.L. Thakur. 2♂, 3♀, Daryuia Forest, Nr. Ind. Area, 04.X.2001; 4♂, 2♀, 3♂, Kansal forest, 12.IX.2000; 1♂, Patiali Rao Reserve Forest, Nepali forest, 5.IV.2000, T.R. Sharma, 1♂, Nepali forest, 26.VI.2000, Dr. H.S. Mehta.

*Distribution:* India: Andaman & Nicobar Islands, Arunachal Pradesh, Andhra Pradesh,

Assam, Bihar, Chhattisgarh, Delhi, Goa, Gujrat, Haryana, Jammu & Kashmir, Kerala, Maharashtra, Manipur, Meghalaya, Nagaland, Madhya Pradesh, Orissa, Rajasthan, Sikkim, Tamilnadu, Tripura, Uttarakhand, Himachal Pradesh, Punjab, Uttar Pradesh, West Bengal. *Elsewhere:* Bangladesh, Pakistan, Srilanka, South East Tibet, Iran, Saudi Arabia, Yemen, Afghanistan, SE Persia, Arabia & West Aden.

Genus *Phlaeoba* Stal, 1860:360.2. *Phlaeoba infumata* Brunner von Wattenwyl, 1893: 124.1893. *Phlaeoba infumata* Brunner von Wattenwyl. *Ann. Mus. Civ. Stor. Nat. Genova*, **33**(2): 1242010. *Phlaeoba infumata* Tan, M.K. *Nature in Singapore*, **3**: 245, 249 (photo)2012. *Phlaeoba infumata* Tan, M.K., Ngiam & Ismail. *Nature in Singapore*, **5**: 662012. *Phlaeoba infumata* Nayeem & Usmani. *Munis Entomology & Zoology*, **7**(1): 405

*Material examined:* 2♀, Dayuia Forest, 04.X.2001; 1♀, 2♂, Kansal Forest, 12.IX.2000, M.S.Thakur 1♂, Patiali Rao Reserve Forest, 27.VIII.2000, M.S. Thakur, 1♂, 1.X.2002 Kansal, M.S. Shishodia.

*Distribution:* India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Goa, Haryana, Mizoram, Tripura, Meghalaya, Manipur, Madhya Pradesh, Nagaland, Orissa, Himachal

Pradesh, Panjab, Rajasthan, Sikkim, Tamil Nadu, Tripura Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, East Nepal, Borneo, China, Hainan Island, Malaya Peninsula, Myanmar, Penang, Sumatra, Thailand, Taiwan, Yunnan.

3. *Phlaeoba panteli* Boliver, 1902: 581.

1902. *Phlaeoba panteli* Bolivar, I. *Annla. Soc. Ent. Fr.*, **70**: 581  
 1986. *Phlaeoba panteli*, Bhowmik. *Zool. Surv. India, Tech. Monogr.*, **14**: 41  
 1995. *Phlaeoba panteli* Otte, D. *Orthoptera Species File.*, **5**: 263  
 2007. *Phlaeoba panteli* Chandra *et al.*, *Zool. Print Journal*, **22**(5): 2685

*Material examined*: 1 ♀, 1 ♂ Kansal Forest, 12.IX.2001; 1 ♂, Patiali Rao Reserve Forest, 27.VIII.2000, M.S.Thakur

*Distribution*: India: Andhra Pradesh, Arunachal Pradesh, Bihar, Himachal Pradesh, Madhya Pradesh, Manipur, Meghalaya, Tripura, Uttarakhand, Tamil Nadu, West Bengal, Punjab. *Elsewhere*: Afghanistan

**Subfamily: Oedipodinae** Walker, 1871: 102.

Genus *Ceracris* Walker, 1870: 790;  
 Uvarov, 1925: 11.

4. *Ceracris nigricornis nigricornis*  
 Walker, 1870: 791.

1870. *Ceracris nigricornis* Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, **4**: 791  
 1914. *Ceracris nigricornis* Kirby, W.F. *Fauna of British India, including Ceylon and Burma. Orthoptera (Acrididae)* 110  
 1998. *Ceracris nigricornis nigricornis* Jiang, G. & Z. Zheng. *Grasshoppers and Locusts from Guangxi*, 219  
 2001. *Ceracris nigricornis nigricornis* Ingrisch & Garai. *Esperiana*, **8**: 763

*Material examined*: 1 ♀, 1 ♂ Forest rest house Chandigarh, 04.X.2001; 2 ♀, 1 ♂, Kansal Forest, 12.IX.2000, M.L.Thakur, 1 ♀, Patiali Rao Reserve Forest, Nepali forest, 27.VIII.2000, M.S. Thakur, 2 ♀, Kansal forest, 13.IX.2000, M.S. Thakur.

*Distribution*: India: Arunachal Pradesh, Assam, Bihar, Haryana, Maharashtra, Manipur, Meghalaya,

Nagaland, Sikkim, Uttarakhand, Tamil Nadu, Himachal Pradesh, Panjab, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, South China, Myanmar, Taiwan, Thailand, Vietnam.

Genus *Trilophidia* Stal, 1873: 117, 131.

5. *Trilophidia annulata* (Thunberg, 1815: 234)

1815. *Gryllus annulatus* Thunberg. *Mémoires de l'Académie Impériale des Sciences de St. Pétersbourg*, **5**: 234.  
 1986. *Trilophidia annulata*, Bhowmik. *Zool. Surv. India, Tech. Monogr.*, **14**:79  
 2005. *Trilophidia annulata* Kim, T.W. & J.I. Kim. *Entomological Research (Seoul)*, **35**(2): 90.  
 2008. *Trilophidia annulata*, Shishodia, *Faunal Diversity of Jabalpur district, M.P., (Zool. Surv. India)*: 98

*Material examined*: 1 ♂, Daryua Forest, 04.X.2001; 1 ♂, 1 ♀, Patiali Rao Reserve Forest, (SWLS), 05.IV.2000 T.R. Sharma

*Distribution*: India: Arunachal Pradesh, Andhra Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Delhi, Goa, Himachal Pradesh, J&K, Kerala, Karnataka, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Nagaland, Orissa, Rajasthan, Tamilnadu, Sikkim, Tripura, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Bangladesh, Borneo, Hong Kong, China, Japan, Jawa, Korea, Malaya, Mangolia, Myanmar, Nepal, Philippines, Pakistan, Malayasia, Singa Pore, Sri Lanka, Sumatra, Taiwan, Thailand & Vietnam.

Genus *Pusana*, Uvarov, 1940: 117.

6. *Pusana laevis* (Uvarov, 1921: 491)

1921. *Pusa laevis* Uvarov. *Annals and Magazine of Natural History, London*, **7**(9): 491  
 1984. *Pusana laevis*, Bhowmik *et al.*, *Bulletin of the Zoological Survey of India*, **6**(1-3): 319  
 2007. *Pusana laevis*, Saini & Mehta, *Bionotes*, **9**(3): 76.

*Material examined*: 4 ♂, 13 ♀, 9.II.2002, Nepali Forest; 1 ♀, 13.II.2002, Dhanas, T.R.Sharma, 3 ♀, 3 ♂, Kansal forest, 1.X.2002, Dr. H.S. Mehta.

*Distribution*: India: Bihar, Himachal Pradesh, Sikkim. *Elsewhere*: Bangladesh.

Genus *Oedaleus* Fieber, 1853 : 126.

7. *Oedaleus abruptus* (Thunberg, 1815: 233)

1815. *Gryllus abruptus* Thunberg. *Mémoires de l'Académie Impériale des Sciences de St. Pétersbourg*, **5**:233.

2005. *Oedaleus abruptus*, Kulkarni & Shishodia, *Conservation Area Series*, **24**: Fauna of Melghat Tiger Reserve, *Zool. Surv. India*, : 332

2007. *Oedaleus abriptus*, Chandra et al., *Zoos Print Journal*, **22**(5): 2685

*Material examined*: 2♂, 1♀, Forest Near Industrial Area Chandigarh, 04.X.2001, H.S. Mehta.

*Distribution*: India: Andhra Pradesh, Arunachal Pradesh, Bihar, Chhattisgarh, Chandigarh, Delhi, Goa, Himachal Pradesh, Haryana, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Orissa, Pondicherry, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Burma, China, Hawaiian Islands, Pakistan, Sri Lanka, Thailand, Nepal, Taiwan & Vietnam.

Genus *Gastrimargus* Saussure, 1884 : 109-110

#### 8. *Gastrimargus africanus africanus*

(Saussure, 1888 : 39)

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

1970. *Gastrimargus africanus* Rowell. *Anti-locust Bulletin*, London, **47**: 48 pp.

2001. *Gastrimargus africanus*, Ingrisch & Garai. *Esperiana*, Schwanfeld, **8**: 763

2004. *Gastrimargus africanus africanus* Baccetti. *Redia.*, **86**: 32.

2008. *Gastrimargus africanus africanus*, Gupta et al., *Natl J. Life Sci.*, **5**(1): 121

*Material examined*: 1♀, 1♂. Forest rest house Chandigarh, 04.X.2001; 2♂, 1♀, Forest rest house Chandigarh, 27.VIII.2000 M.S. Thakur.

*Distribution*: India: Arunachal Pradesh, Andhra Pradesh, Assam, Bihar, Chhattisgarh, Chandigarh, Delhi, Goa, Himachal Pradesh, J&K, Madhya Pradesh, Maharashtra, Meghalaya, Nagaland, Orissa, Rajasthan, Sikkim, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal *Elsewhere*: Africa, Myanmar, Comoro Island, Myanmar, Nepal, Pakistan, Saudi Arabia, Sri Lanka, Thailand, Tibet, Yaman.

#### 9. *Gastrimargus marmoratus*

(Thunberg, 1815 : 232)

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

2005. *Gastrimargus marmoratus*, Kim, T.W. & J.I. Kim, *Entomological Research (Seoul)*, **35**(2): 89.

2007. *Gastrimargus marmoratus*, Saini & Mehta, *Bionotes*, **9**(3): 76

*Material examined*: 2♀, 1♂. Nepli Forest, Chandigarh., 26.VI.2000, H.S.Mehta

*Distribution*: India: Andhra Pradesh, Assam, Bihar, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Nagaland, Sikkim, Tamil Nadu, Uttarakhand, Uttar Pradesh, west Bengal. *Elsewhere*: Bangladesh, Borneo, Celebes, China, Japan, Hong Kong, Java, Korea, Lombok, Malaysia, Myanmar, Nepal, New Guinea, Philipines, Sulawesi, Sumatra, Taiwan, Thailand & Vietnam.

Genus *Acrotylus* Fieber, 1853: 125.

#### 10. *Acrotylus humbertianus*

Saussure, 1884:189.

1884. *Acrotylus humbertianus* Saussure, *Mem. Soc. Phys. Hist. Nat. Geneve*, **28**(9): 189

2007. *Acrotylus humbertianus*, Chandra, et al., *Zoos' Print Journal*, **22**(5): 2685

*Material examined*: 1♂, Nepli Forest, Chandigarh. 04. X.2001 H.S. Mehta

*Distribution*: India: Andhra Pradesh, Bihar, Chhattisgarh, Delhi, Haryana, Goa, Lakshadweep Island, Tamil Nadu, Himachal Pradesh, Madhya Pradesh, Maharashtra, Punjab, Tripura, Rajasthan, Uttar Pradesh, and West Bengal. *Elsewhere*: Sri Lanka, Nepal, Bangladesh, Pakistan, Afghanistan

#### 11. *Acrotylus insupircus inficita*

(Walker, 1870:742)

1870. *Oedipoda inficita* Walker, *Cat. Derm. Salt. Brit. Mus.*, **4**: 742

1914. *Acrotylus inficita*, Kirby, *Fauna Brit. India, Orth.*, 152

1993. *Acrotylus insubricus inficita*, Hazra et al., *State Fauna series*, **3**: Fauna of West Bengal Part 4, *Zool. Surv. India*, :301

*Material examined:* 1♂, Kishan Garh, 24.I.2002, Santosh Thakur

*Distribution:* India: Himachal Pradesh, Orissa & West Bengal. *Elsewhere:* Afghanistan, Srilanka, Africa, Central Asia, Russia.

Genus *Scintharista* Saussure, 1884: 121.

12. *Scintharista notabiles blachardiana* (Saussure, 1888:35)

1888. *Quiroguesia brullei blanchardiana* Saussure. *Mémoires de la Société de Physique et d'Histoire Naturelle de Genève*, **30**(1): 35.

1910. *Quiroguesia blanchardiana* Kirby, W.F. *Synonymic Catalogue of Orthoptera (Orthoptera Saltatoria, Locustidae vel Acridiidae)*, **3**(2): 217.

1999. *Scintharista Blachardiana* Ingrisch. *Esperiana, Schwanfeld*, **7**: 356.

*Material examined:* 2♂, 1♀, Kansal Forest, 13.IX.2000, M.L.Thakur

*Distribution:* India: Himachal Pradesh and Maharashtra. *Elsewhere:* Aden, Arabia, Palestine and Somalia.

Subfamily GOMPHOCERINAE  
Fieber, 1853: 90-104

Genus *Gonista* Bolivar, 1898: 92.

13. *Gonista sagittata* (Uvarov, 1912:10)

1912. *Gelastorhinus sagitta* Uvarov. *Horae Soc. Ent. Ross., St. Petersburg*, **40**(3): 10

1992. *Gonista sagittata*, Shrinivasan & Murlirangan, *Hexapoda*, **4**(1): 15

2003. *Gonista sagittata*, Shishodia *et al.*, State Fauna Series, **9** Fauna of Sikkim, Part 2 *Zool. Surv. India*,: 180

2007. *Gonista sagittata*, Saini & Mehta, *Bionotes*, **9**(3): 76.

*Material examined:* 1♀, Kansal forest, 1.X.2002, H.S. Mehta.

*Distribution:* India: Andhra Pradesh, Himachal Pradesh, Karnataka, Manipur, Sikkim & Tamil Nadu. *Elsewhere:* Afganistan, Northern Iran, Srilanka, Myanmar.

Genus *Mesopsis* Bolivar, 1906: 392;  
Jago, 1971: 236

14. *Mesopsis cylindricus* (Kirby, 1914: 101)

1914. *Aswatthamanus cylindricus* Kirby, W.F. *Fauna of British India, including Ceylon and Burma. Orthoptera (Acrididae)*, 101

1971. *Mesopsis cylindricus* Jago. *Proceedings of the Academy of Natural Sciences, Philadelphia*. **123**(8): 237.

2007. *Mesopsis cylindricus*, Mandal & Yadav, *State Fauna Series, 5: Fauna of Andhra Pradesh, Part 3, Zool Surv. India*,: 196.

*Material examined:* 1♂, Kishangarh, Chandigarh. 24.I.2002, Santosh Thakur.

*Distribution:* India: Andhra Pradesh, Arunachal Pradesh, Bihar, Madhya Pradesh, Orisa, Punjab, Sikkim and West Bengal.

Genus *Aulacobothrus* Bolivar, 1902: 597

15. *Aulacobothrus socius* Boliver, 1902:599

1902. *Aulacobothrus socius* Bolivar, I. *Annales de la Société Entomologique France*. **70**: 599.

1993. *Aulacobothrus socius* Ingrisch *Entomologica Scandinavica*. **24**(3): 331.

1996. *Aulacobothrus socius* Jago *Journal of Orthoptera Research*. **5**: 75.

2007. *Aulacobothrus socius*, Mandal & Yadav, *State Fauna Series, 5: Fauna of Andhra Pradesh, Part 3, Zool Surv. India*,: 193.

*Material examined:* 1♂. Daryua Forest, 04.X.2001. Santosh Thakur

*Distribution:* India: Andhra Pradesh, Arunachal Pradesh, Maharashtra, Himachal Pradesh, Karnataka, Orisa, Tamil Nadu and Haryana.

16. *Aulacobothrus luteipes luteipes* (Walker, 1871:82)

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

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

2007. *Dnopherula (Aulacobothrus) luteipes* Mandal *et al.*, *Pictorial handbook on Indian short horned grasshopper pests (Acridoidea: Orthoptera) (Zool. Surv. India)*,: 37.

*Material examined:* 2♂, Kansal forest, 1.X.2002, Dr. H.S. Mehta.

*Distribution:* India: Andaman & Nicobar Island, Andhra Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Himachal Pradesh, J&K, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orisa, Rajasthan, Sikkim, Tamil Nadu & West Bengal. *Elsewhere:* Bangladesh, Pakistan, Sri Lanka, Myanmar,

China, Japan, Europe, North America, Taiwan & Thailand.

17. *Aulacobothrus sinensis* (Uvarov, 1925:318)

1925. *Dnopherula sinensis* Uvarov. *Jour. Asiat. Soc. Bengal*, **20**(6): 318.

1996. *Aulacobothrus sinensis* Jago. *Journal of Orthoptera Research*, **5**: 69-124.

2007. *Aulacobothrus sinensis* Saini & Mehta, *Bionotes*, **9**(3): 76.

*Material examined*: 1 ♀, Kansal forest, 1.X.2002, Dr. H.S. Mehta.

*Distribution*: India: Himachal Pradesh. *Elsewhere*: Eastern Nepal, Yunnan, Myanmar, China.

Genus *Gelastorhinus* Brunner von Wattenwyl, 1893:137.

18. *Gelastorhinus laticornis*

(Serville, 1838: 590)

1838. *Opomala laticornis* Serville *Histoire naturelle des insectes. Orthoptères*, 590.

1910. *Gelastorhinus laticornis* Kirby, W.F. *Synonymic Catalogue of Orthoptera (Orthoptera Saltatoria, Locustidae vel Acridiidae)*, **3**(2): 409.

2009. *Gelastorhinus laticornis*, Gupta, *Bionotes*, **11**(1): 28.

*Material examined*: 1 ♂; Nepli forest. 04.X.2001; Santosh Thakur.

*Distribution*: India: Bihar, Chhattisgarh, Himachal Pradesh, Madhya Pradesh, Maharashtra, West Bengal. *Elsewhere*: Bangladesh.

Subfamily SPATHOSTERNINAE

Rehn, 1957: 93

Genus *Spathosternum* Krauss, 1877:44

19. *Spathosternum prasiniferum prasiniferum*

(Walker, 1871:65)

1871. *Heteracris prasinifera*; Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, **5**: 65.

1996. *Spathosternum prasiniferum*; Sharma, B. & Gupta, N. *Journal of Insect Science*, **9**(2): 156.

2006. *Spathosternum prasiniferum prasiniferum* Hsia et al., *Fauna Sinica, Insecta*, **43**: 179.

*Material examined*: 2 ♀, 1 ♂, Kansal Forest, 12.IX.2000, M.L. Thakur.

*Distribution*: India: Andaman & Nicobar Island, Arunachal Pradesh, Andhra Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Goa, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Punjab, Sikkim, Rajasthan, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere*: Burma, Bangladesh, Hainan, Myanmar, Nepal, Pakistan, South & East China, Sri Lanka, Thailand, Vietnam & West Malaysia.

Subfamily HEMIACRIDINAE

Drish, 1956: 121-272

Genus *Hieroglyphus* Krauss, 1877:41.

20. *Hieroglyphus banian*

(Fabricius, 1798:194)

1798. *Gryllus banian* Fabricius, *Supplementum Entomologiae Systematicae*: 194.

1986. *Hieroglyphus banian*, Bhowmik, *Zool. Surv. India, Tech. Monogr.*, **14**: 99.

1998. *Hieroglyphus banian* Jiang, G. & Z. Zheng. *Grasshoppers and Locusts from Guangxi*, 110.

2008. *Hieroglyphus banian*, Shishodia, *Faunal Diversity of Jabalpur district, MP.*, (*Zool. Surv. India*): 99.

*Material examined*: 2 ♂, 1 ♀, Nepli Forest, 05.X.2001; 2 ♀, Daryua Forest, Chandigarh. 04.X.2001; 1 ♀, Patiali Rao Reserve Forest (WLS), 27.VIII.2000 M.S. Thakur.

*Distribution*: India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Manipur, Orissa, Punjab, Rajasthan, Sikkim, Tamil Nadu, Uttarakhand, Uttar Pradesh & West Bengal, Tamil Nadu, Punjab, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Burma, China, Nepal, Thailand, Vietnam.

21. *Hieroglyphus concolor*

(Walker, 1870:646)

1870. *Oxya concolor* Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, **4**: 646.

1973. *Hieroglyphus concolor* Mason, J.B. *Bulletin of the British Museum (Natural History) Entomology*, **28**(7): 521 Lectotype.

2008. *Hieroglyphus concolor*, Shishodia, *Faunal Diversity of Jabalpur district, MP.*, (*Zool. Surv. India*): 99.



*Material examined:* 1♂, Daryua Forest, Chandigarh 04.X.01 Santosh Thakur 1♀, Nepli Forest, (WLS), 18.VIII.2000 M.S. Thakur.

*Distribution:* India: Assam, Delhi, Maharashtra, Himachal Pradesh, Madhya Pradesh, Sikkim, Punjab. *Elsewhere:* Bangladesh & China.

#### Subfamily OXYINAE

Brunner von Wattenwyl, 1893: 1-230.

Genus *Oxya* Serville. 1831:286; Usmani & Shafee, 1985: 311

#### 22. *Oxya hyla hyla* Serville, 1831:287

1831. *Oxya hyla* Serville. *Annales des Sciences Naturelles, Paris*, **22**: 287.

2006. *Oxya hyla hyla* Shishodia, *Bionotes*, **8**(1): 11.

2008. *Oxya hyla hyla*, Gupta *et al.*, *Natl. J. Life Sci.*, **5**(1): 123.

*Material examined:* 3♂, 3♀, Nepli Forest, (WLS), 05.X.2001; 3♂, 2♀, Forest rest house Chandigarh, 31.X.2000 M.S. Thakur.

*Distribution:* India: Andaman & Nicobar Island, Arunachal Pradesh, Andhra Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, J & K, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Nagaland, Orissa, Punjab, Rajasthan, Sikkim, Tamilnadu, Tripura, Uttar Pradesh, West Bengal. *Elsewhere:* Afghanistan, Africa, Ahgola, Bangladesh, Benin, Cameroun, Chad, Central Africa Republic, Iran, Fernandopo, Gabon, Gambia, Ghana, Giunea, Kenya, Liberia, Madagascar, Maldiv Island, Mali, Malawi, Nepal, Niger, Nigeria, Pakistan, Sao Thome, Senegal, sierra Leone, Sudan, Srilanka Tanzania, Uganda, Zaire & Zambia.

#### 23. *Oxya fuscovittata* (Marschall, 1836:211)

1836. *Gryllus fuscovittata* Marschall. *Annalen des Naturhistorischen Museums in Wien.*, **1**(2): 211.

1963. *Oxya fuscovittata* Shumakov. *Trudy Vsesoyeznogo Entomologicheskogo Obshchestva, Moskva.*, **49**: 88

1986. *Oxya fuscovittata* Bhowmik. *Zool. Surv. India, Tech. Monogr.*, **14**: 109.

2007. *Oxya fuscovittata*, Mandal *et al.*, *Pictorial handbook on Indian short horned grasshopper pests (Acridoidea: Orthoptera)* (*Zool. Surv. India*),: 22.

*Material examined:* 3♂, Nepli Forest, Chandigarh. 05.X.2001 Santosh Thakur, 2♂ Industrial Area Chandigarh., 26.IX.2000 M.L. Thakur.

*Distribution:* India: Arunachal Pradesh, Andhra Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Goa, Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Orissa, Rajasthan, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere:* Afghanistan, Bangladesh, Nepal, Pakistan & USSR (South West).

#### Subfamily EYPREPOCNEMIDINAE

Brunner von Wattenwyl, 1893:150.

Genus *Eyprepocnemis* Fieber, 1853:98; Kirby, 1914:267.

#### 24. *Eyprepocnemis alacris alacris* (Serville, 1839:682)

1839. *Acridium alacre* Serville, *Ins Orth.*,: 682.

1990. *Eyprepocnemis alacris alacris*, Bhowmil *et al.*, *Rec. zool. Surv. India*, **86**: 222.

2007. *Eyprepocnemis alacris alacris* Mandal & Yadav, *State Fauna Series*, **5**: *Fauna of Andhra Pradesh, Part 3, Zool Surv. India*,: 211.

*Material examined:* 2♂, Kansal Forest, (WLS) Chandigarh. 13. IX.2000, M.L.Thakur.

*Distribution:* India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Goa, Haryana, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Manipur, Maharashtra, Meghalaya, Orissa, Punjab, Rajasthan, Sikkim, Tamilnadu, Tripura, Uttarakhand, Uttar Pradesh & West Bengal. *Elsewhere:* Afghanistan, Bangladesh, Iran, Iraq, East Persia, Pakistan, Sri Lanka.

#### 25. *Eyprepocnemis roseus* Uvarov, 1942:597

1942. *Eyprepocnemis roseus* Uvarov. *Annals and Magazine of Natural History, London*, **9**(11):5 97.

1982. *Eyprepocnemis roseus*, Julka *et al.*, *Oriental Insect*, **63**: 67.

2007. *Eyprepocnemis roseus*, Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2686.

*Material examined:* 1♂, Kansal Forest 13.IX.2002. M.L. Thakur.

*Distribution:* India: Andhra Pradesh, Himachal Pradesh, J & K, Madhya Pradesh, Meghalaya, Uttarakhand, Uttar Pradesh. *Elsewhere:* Bangladesh, Myanmar, Pakistan & Thailand.

Genus **Tylotropidius** Stal, 1860:74;  
Kirby, 1914:256.

26. **Tylotropidius varicornis**  
(Walker, 1870:667)

1870. *Heteracris varicornis* Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, **4**: 667.
1986. *Tylotropidius varicornis* Bhowmik. *Zool. Surv. India, Tech. Monogr.*, **14**: 168.
1998. *Tylotropidius varicornis* Jiang, G. & Z. Zheng *Grasshoppers and Locusts from Guangxi.*, 182.
2007. *Tylotropidius varicornis* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2686

*Material examined:* 2 ♀, Sukhna Lake, 03.VII.2001, T.R. Sharma.

*Distribution:* India: Andhra Pradesh, Bihar, Chhattisgarh, Delhi, Goa, Haryana, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Orissa, Rajasthan, Tamil Nadu, Tripura, Uttarakhand & West Bengal. *Elsewhere:* Myanmar, Srilanka.

Subfamily CATANTOPINAE  
Brunner von Wattenwyl, 1893:144.

Genus **Xenocatantops**  
Drish & Uvarov, 1953:237

27. **Xenocatantops humilis humilis**  
(Serville, 1839:662)

1839. *Acridium humile* Serville, *Ins. Orth.*: 662.
1953. *Xenocatantops humilis humilis* Drish and Uvarov, *Tijdschr. Ent.*, **96**(3): 237.
2007. *Xenocatantops humilis humilis* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2686.

*Material examined:* 2 ♂, Nepli Forest (WLS), 04.IV.2000, M.L. Thakur.

*Distribution:* India: Andaman & Nicobar Island, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, Himachal Pradesh, West Bengal. *Elsewhere:* Bangladesh,

Borneo, Burma, Indo China, Java, Malaya, Nepal, New Guinea, Philippines, Srilanka, Sumatra, Thailand, Tibet, Yunnan.

Genus **Pachyacris** Uvarov, 1923:140.

28. **Pachyacris vinosa** (Walker, 1870: 587)

1870. *Acridium vinosum* Walker, *Cat. Derm. Salt. Brit. Mus.*, **4**: 587.
1922. *Pachyacris vinosa* Uvarov, *Ann. Mag. Nat. Hist.*, **11**(9): 478.
2000. *Pachyacris vinosa* Shishodia, *Rec. zool. Surv. India*, **98**(1): 58.
2007. *Pachyacris vinosa* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2686.

*Material examined:* 1 ♀, 1 ♂ Patiali Rao Reserve Forest, Chandigarh., 14.IX.2000, M.L. Thakur.

*Distribution:* India: Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Goa, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Manipur, Mizoram, Nagaland, Orissa, Tripura, Uttar Pradesh, West Bengal. *Elsewhere:* China, Myanmar, Nepal, Thailand & Tongking.

Genus **Choroedocus** Bolivar, 1914:5-8:  
Tandon, 1976:12.

29. **Choroedocus illustris** (Walker, 1870:663)

1870. *Heteracris illustris* Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, **4**: 663.
1984. *Choroedocus illustris* Bhowmik & Halder. *Records of the Zoological Survey of India, Calcutta*, **81**(1-2): 182.
2008. *Choroedocus illustris*, Gupta, *Bionotes*, **10**(3): 89.

*Material examined:* 1 ♂, Kansal Forest (WLS) Chandigarh. 13.IX.2000, M.L. Thakur.

*Distribution:* India: Andhra Pradesh, Himachal Pradesh, Madhya Pradesh, Maharashtra, Tamil Nadu & Uttarakhand.

Genus **Diabolocatantops** Jago, 1984:295

30. **Diabolocatantops innotabilis**  
(Walker, 1870:629)

1870. *Acridium innotabile* Walker, *Cat. derm. salt. Br. Mus.*, **4**: 629
1935. *Catantops pinguis innotabilis* Dirsh and Uvarov, *Tijdschr. Ent.*, **96**(3): 233.

2000. *Catantops pinguis innotabilis* Shishodia, *Rec. zool. Surv. India*, **98**(1): 61.

2007. *Catantops pinguis innotabilis* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2686.

*Material examined*: 3♂, 2♀ Kansal (WLS), 13.IX.2000, M.L. Thakur.

*Distribution*: India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Goa, Haryana, Himachal Pradesh, J & K, Karnataka, Kerala, Lakshadweep Island, Madhya Pradesh, Maharashtra, Meghalaya, Manipur, Nagaland, Rajasthan, Sikkim, Tamilnadu, Uttar Pradesh, Orissa, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Borneo, Cambodia, China, Hong Kong, Indo-china, Japan, Java, Korea, Maldive Island, Malaysia, Myanmar, Nepal, New guinea, Pakistan, Philippines, Sri Lanka, Sumatra, Tiber & Thailand.

#### Family PYRGOMORPHIDAE

Brunner von Wattenwyl, 1874:225

#### Subfamily PYRGOMORPHINAE

Brunner von Wattenwyl, 1874:78,85,184

Genus *Aularches* Stal, 1873:51

#### 31. *Aularches miliaris miliaris* (Linnaeus, 1758:432)

1758. *Gryllus (Locusta) miliaris* Linnaeus. *Systema Naturae per Regna tria naturae* (10th ed.). **1**: 432

1963. *Aularches miliaris* Kevan, *Ark. Zool. (Ser.2)*, **16**: 75

2007. *Aularches miliaris miliaris*, Mandal & Yadav, *State Fauna Series*, **5**: *Fauna of Andhra Pradesh, Part 3, Zool Surv. India.*: 190

*Material examined*: 2♂, Patiali Rao Reserve Forest, Nepli Forest, 14.IX.2000, M.L. Thakur

*Distribution*: India: Andhra Pradesh, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Manipur, Meghalaya, Orissa, Sikkim, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Cambodia, Indonesia, Java, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand, Tibet, South Vietnam and West Malaysia.

Genus *Atractomorpha* Saussure, 1862:474

#### 32. *Atractomorpha crenulata* (Fabricius, 1793:28)

1793. *Truxalis crenulatus* Fabricius. *Supplementum Entomologiae Systematicae*, **2**: 28.

2001. *Atractomorpha crenulata* Ingrisch & Garai. *Esperiana, Schwanfeld*, **8**: 761.

2007. *Atractomorpha crenulata*, Mandal & Yadav, *State Fauna Series*, **5**: *Fauna of Andhra Pradesh, Part 3, Zool Surv. India.*: 189.

*Material examined*: 1♀, 2♂. Nepli Forest, 08.VI.2000, M.L. Thakur.

*Distribution*: India: Andaman & Nicobar Island, Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Gujarat Goa, Haryana, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Kerala, Lakshadweep Island, Orissa, Rajasthan, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Nagaland, Sikkim, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Cambodia, Laos, Maldive Island, Malaya, Myanmar, Nepal, Pakistan, Srilanka, Sumatra, South Vietnam and Tahiland.

Genus *Chrotogonus* Serville, 1838:702

#### 33. *Chrotogonus tr. trachypterus* (Blanchard, 1836:618)

1836. *Ommexecha trachypterus* Blanchard, E. *Annales de la Société Entomologique de France*, **5**: 618.

2001. *Chrotogonus tr. trachypterus* Ingrisch *Senckenbergiana biologica*, **81**: 155.

2007. *Chrotogonus tr. trachypterus* Mandal & Yadav, *State Fauna Series*, **5**: *Fauna of Andhra Pradesh, Part 3, Zool Surv. India.*: 188.

*Material examined*: 3♂, 3♀, Patiali Rao Reserve Forest, Nepli Forest, 05.VI.2000, T.R.S harma.

*Distribution*: India: Andhra Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Gujarat, Himachal Pradesh, Madhya Pradesh, Maharashtra, Meghalaya, Jammu & Kashmir, Karnataka, Tamilnadu, Sikkim, Uttar Pradesh, Orissa, Punjab, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Nepal, Pakistan, Afghanistan, Iran.

Genus *Poeciloceris* Serville, 1832:275

#### 34. *Poeciloceris pictus* (Fabricius, 1775:289)

1775. *Gryllus pictus*, Fabricius, *Syst. Ent.* pp. 289.

1831. *Poeciloceris pictus*, Serville, *Ann. Sci. Nat.* xxxii, pp. 276.

2000. *Poeciloceris pictus* Shishodia, *Rec. zool. Surv. India*, **98**(1): 41.

*Material examined:* 1 ♀, Sukhna Lake, Chandigarh., 03.VII.2001 Santosh Thakur.

*Distribution:* India: Andhra Pradesh, Assam, Bihar, Chhatisgarh, Delhi, Gujarat, Haryana, Himachal Pradesh, Jammu Kashmir, Jharkhand, Karnataka, Madhya Pradesh, Punjab, Orissa, Maharashtra, Uttar Pradesh, Tamil Nadu, Rajasthan, West Bengal. *Elsewhere:* Pakistan, Afghanistan, Bangladesh, Nepal.

Family TETRIGIDAE, Serville, 1838:570

Subfamily TETRIGINAE  
Serville, 1838:570, 754

Genus *Hedotettix* Bolivar, 1887:283

35. *Hedotettix costatus* Hancock, 1912:147

1912. *Hedotettix costatus* Hancock, J.L. *Mem. Dept. Agric. India (Ent. Ser.)*, Calcutta, 4(2): 147.

2001. *Hedotettix costatus* Ingrisch. *Spixiana (Munich)*, 24(2): 149.

2007. *Hedotettix costatus* Saini & Mehta, *Bionotes*, 9(3): 76.

*Material examined:* 1 ♀, Forest rest house Chandigarh., 20.VIII.2000, M.S. Thakur.

*Distribution:* India: Assam, Bihar, Uttar Pradesh, Punjab, Himachal Pradesh Meghalaya, Sikkim, Tripura & West Bengal. *Elsewhere:* Nepal, Bangladesh & Sulawesi.

36. *Hedotettix gracilis* (Haan, 1842:169)

1842. *Acridium (Tetrix) gracilis* Haan. In *Temminck. Verhandelingen over de natuurlijke geschiedenis der Nederlandsche overzeesche bezittingen. Zoologie 2*: 167.

2002. *Hedotettix gracillis*; Zheng, Z. & G. Jiang. *Dong wu xue yan jiu [Zoological Research]*, 23(5): 414.

2007. *Hedotettix gracilis* Chandra *et al.*, *Zoos' Print Journal*, 22(5): 2686.

*Material examined:* 2 ♂, 1 ♀, Nepali forest, 30.I.2002, H.S. Mehta.

*Distribution:* Andaman & Nicobar Island, Arunachal Pradesh, Assam, Chhatisgarh, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orisa, Rajasthan, Sikkim, Tripura, Manipur, Meghalaya, Uttarakhand, Uttar Pradesh & West Bengal. *Elsewhere:* Pakistan, Bangladesh, Celebes, China,

Sulawesi, Thailand Sri Lanka, Myanmar, Thailand, Sumatra, Java, Vietnam, Taiwan.

Genus *Ergatettix* Kirby, 1914:69

37. *Ergatettix dorsiferus* (Walker, 1871:825)

1871. *Tettix dorsiferus* Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, 5: 825.

2005. *Ergatettix dorsiferus*. Zheng, Z. *Fauna of Tetrigoidea from Western China*, 422.

2007. *Ergatettix dorsiferus* Chandra *et al.*, *Zoos' Print Journal*, 22(5): 2686.

*Material examined:* 1 ♀, Kansal Forest, 12.IX.2000 M.S. Thakur.

*Distribution:* India: Andaman & Nicobar Island, Arunachal Pradesh, Assam, Chhatisgarh, Delhi, Himachal Pradesh, Sikkim, Manipur, Bihar Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Tamilnadu, Uttar Pradesh, Sikkim, Tripura, Meghalaya, Orissa, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere:* Afghanistan, Bangladesh, Nepal, Srilanka, Central Asia, Iran, Indonesia, Turkmenia, Taiwan, South China, Greater Sunda Island, Sumatra.

38. *Ergatettix guenthari* Steinmann, 1970:234

1970. *Ergatettix guenthari* Steinmann, *Acta Zool. Hung.*, 16(1-2): 234

2000. *Ergatettix guenthari* Shishodia, *Rec. zool. Surv. India*, 38(1): 39

2007. *Ergatettix guenthari* Chandra *et al.*, *Zoos' Print Journal*, 22 (5): 2686

*Material examined:* 1 ♂, 1 ♀, Nepali forest, 30.I.2002, Santosh Thakur.

*Distribution:* India: Arunachal Pradesh, Assam, Bihar, Chhatisgarh, Himachal Pradesh, Madhya Pradesh, Maharashtra, Meghalaya, Mizoram, Orisa, Tripura, Uttar Pradesh, & West Bengal. *Elsewhere:* Bangladesh, Sri Lanka & Nepal.

Genus *Euparatettix* Hancock, 1904:108.

39. *Euparatettix histricus* Stal, 1861:347

1861. *Tetrix histricus* Stal. *Kongliga Svenska fregatten Eugenie Resa omkring jorden under befäl af C.A. Virgin aren 1851-1853 (Zoologi)*, 2(1): 347

1937. *Euparatettix histricus* Günther, K. *Revue Suisse de Zoologie*, 44: 133.

2005. *Paratettix histricus* Zheng, Z. *Fauna of Tetrigoidea from Western China*, 377.

*Material examined*: 1♂. Kansel Forest, Chandigarh, 12.IX.2001, M.L. Thakur.

*Distribution*: India: Andaman Nicobar Island, Andhra Pradesh, Arunachal Pradesh, Assam, Chhattisgarh, Delhi, Himachal Pradesh, Sikkim, Maharashtra, Manipur, Bihar, Karnataka, Kerala, Madhya Pradesh, Tamilnadu, Uttar Pradesh, Meghalaya, Orissa, West Bengal. *Elsewhere*: Australia, Borneo, Caledonia, Celebes, East Africa, East Afghanistan, Holland, Indonesia, Iran, Java, Malaysia, Myanmar, Nepal, New Ireland, Pakistan, Philippines, Queensland, Saudi Arabia, Solomon Island, South China, Sumatra, Sri Lanka & Taiwan.

#### Sub Order ENSIFERA

#### Family GRYLLOTALPIDAE

Blanchard, 1845:246

#### Subfamily GRYLLOTALPINAE

Blanchard, 1845:246

#### Genus *Gryllotalpa* Latreille, 1802:275

#### 40. *Gryllotalpa africana* Beauvois, 1805:229

1805. *Gryllotalpa africana* Beauvois, *Ins. Afr. Amer.*, 229.

1967. *Gryllotalpa africana* Chopard, *Orthopterorum Catalogus*, Part 12: 449.

2000. *Gryllotalpa africana* Shishodia, *Rec. zool. Surv. India*, **98**(3): 1.

2007. *Gryllotalpa africana* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2686.

*Material examined*: 1♀, Forest rest house Chandigarh. 24. VI.2000 H.S. Mehta.

*Distribution*: India: Andaman & Nicobar Island, Arunachal Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Delhi, Jammu & Kashmir, Karnataka, Kerala, Tamilnadu, Madhya Pradesh, Pondicherry, Rajasthan, Uttar Pradesh, Himachal Pradesh, Meghalaya, Orissa, West Bengal. *Elsewhere*: Africa, Bhutan, Australia, Iran, Madagascar, Malaya, Myanmar, Nepal, Pakistan, Singapore, South Spain, Sri Lanka.

#### Family GRYLLIDAE Laicharding, 1781:1

#### Subfamily GRYLLINAE Laicharding, 1781:1

#### Genus *Loxoblemmus* Saussure, 1877:249

#### 41. *Loxoblemmus detectus* (Servile, 1838:356)

1838. *Platyblemmus detectus*, Servile, *Ins. Orth.*, 356.

1969. *Loxoblemmus detectus*, Chopard, *Fauna Ind Grylloidea*, **2**: 123.

2000. *Loxoblemmus detectus* Shishodia, *Rec. zool. Surv. India*, **98**(3): 3.

*Material examined*: 1♀, 1♂, Forest rest house Chandigarh. 21. VIII.2000 M.S. Thakur.

*Distribution*: India: Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Bihar, Himachal Pradesh, Mizoram, Orissa, Sikkim, Uttar Pradesh, Uttarakhand and West Bengal. *Elsewhere*: China, Java, Johore, Kuala Lumpur, Pinang, Singapore, Sri Lanka, Sumatra & Taiwan.

#### Genus *Gryllus* Linnaeus, 1758:425

#### 42. *Gryllus bimaculatus* De Geer, 1773:521

1773. *Gryllus bimaculatus*, De Geer, *Mem. Ins.*, **3**: 521.

1964. *Gryllus bimaculatus*, Bandell, *Canad. Ent.*, **96**: 1592.

2000. *Gryllus bimaculatus* Shishodia, *Rec. zool. Surv. India*, **98**(1): 65.

*Material examined*: 1♀, Daruyua Forest, 04.X.2001 Santosh Kumar.

*Distribution*: India (Widely distributed all over the country.) *Elsewhere*: Africa, Malaysia, Mediterranean Region, Myanmar, Nepal, Pakistan, Singapore & Sri Lanka.

#### Genus *Acheta* Fabricius, 1775:279

#### 43. *Acheta domesticus* (Linnaeus, 1758:428)

1758. *Gryllus (Acheta) domesticus*, *Syst. Nat. 10<sup>th</sup> ed.* **1**: 428.

1961. *Acheta domesticus* Chopard, *Eos.*, **37**: 271

1998. *Acheta domesticus* Schmidt, *J. Ent. Res. Soc.*, **1**(1): 42.

2007. *Acheta domesticus* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2684.

*Material examined*: 1♀, 1♂, Forest rest house Chandigarh, 20.VIII.2000, M.S. Thakur.

*Distribution:* India: Chhattisgarh, Delhi, Himachal Pradesh, Jammu & Kashmir, Kerala, Maharashtra, Madhya Pradesh, Punjab, Rajasthan, Uttarakhand, Uttar Pradesh and West Bengal. *Elsewhere:* Pakistan.

Genus *Plebeiogryllus* Randell, 1964:1597

44. *Plebeiogryllus gutteventris gutteventris* (Walker, 1871:6)

1871. *Gryllus gutteventris*, Walker, *Cat. Derm. Salt. Br. Mus.*, 5: 6.

1967. *Plebeiogryllus gutteventris*, Chopard, *Orth. Cat.*, 10: 94.

2000. *Plebeiogryllus gutteventris* Shishodia, *Rec. zool. Surv. India*, 98(1): 66.

*Material examined:* 1 ♀, 2 ♂, Forest rest house Chandigarh., 21.VIII.2000, M.S. Thakur.

*Distribution:* India: Andhra Pradesh, Bihar, Chhattisgarh, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh, Uttar Pradesh, Maharashtra, Manipur, Goa, West Bengal, Orissa, Pondichery, Rajasthan, Karnataka, Kerala, Tamil Nadu. Uttarakhand, Uttar Pradesh and West Bengal. *Elsewhere:* Myanmar and Srilanka.

Genus *Teleogryllus* (Chopard, 1961:277)

Subgenus *Macroteleogryllus*

Gorochov, 1988:88-103

45. *Teleogryllus (Macroteleogryllus) mitratus* (Burmeister, 1838:34)

1838. *Gryllus mitratus* Burmeister. *Handbuch der Entomologie*. 2(2): I-VIII:734

2001. *Teleogryllus mitratus* Ingrisch & Garai. *Esperiana, Schwanfeld*, 8: 758

2007. *Teleogryllus testaceus* Chandra *et al.*, *Zoos' Print Journal*, 22 (5): 2684

*Material examined:* 2 ♀, 1 ♂, North East Sukhna Lake, 19.VII.2000, M.S. Thakur.

*Distribution:* India: Andaman & Nicobar Island, Arunachal Pradesh, Assam, Bihar, Delhi, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Manipur, Meghalaya, Orissa, Pondicherry, Sikkim, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere:* Annam, Bangkok, Borneo, Bhutan, China, Indo-China,

Indonesia, Japan, Java, Johore, Kuala Lumpur, Malaysia, Myanmar, Nepal, Philippines, Pinanag, Sarawak, Singapore, Sri Lanka, Sumatra, Taiwan, Tenasserin, Thailand and Vietnam.

Subgenus *Brachyteleogryllus*

Gorochov, 1988: 88-103

46. *Teleogryllus (Brachyteleogryllus) occipitalis* (Serville, 1838:339)

1838. *Gryllus occipitalis* Serville, *Ins. Orth.*, 339.

1980. *Teleogryllus occipitalis*: Townsend, *J. nat. Hist.*, 14: 154.

2007. *Teleogryllus occipitalis* Chandra *et al.*, *Zoos' Print Journal*, 22(5): 2684.

*Material examined:* 1 ♀, Kansal forest, 1.X.2002, Dr. H.S. Mehta.

*Distribution:* India: Andaman & Nicobar Island, Arunachal Pradesh, Assam, Bihar, Delhi, Gujarat, Himachal Pradesh, Karnataka, Kerala, Lakshadweep, Madhya Pradesh, Manipur, Meghalaya, Orissa, Pondicherry, Sikkim, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere:* Annam, Bangladesh, Bangkok, Bhutan, Borneo, Celebes, China, Indo-China, Indonesia, Japan, Java, Laos, Kuala Lumpur, Malaysia, Myanmar, Nepal, Philippines, Sarawak, Singapore, Sri Lanka, Sumatra, Sulawesi, Taiwan, Tibet, Thailand and Vietnam.

Genus *Turanogryllus* Tarbinskii, 1940:115

47. *Turanogryllus histrio* (Saussure, 1877:229)

1877. *Gryllodes histrio* Saussure, *Mem. Soc. Phys. Hist. nat. Geneve*, 25: 357.

1975. *Turanogryllus histrio* Bhowmik, *J. Bombay nat. Hist. Soc.*, 72(2): 378.

2001. *Turanogryllus histrio* Shishodia & Vasanth, *Fauna of Conservation area series*, 11: *Fauna of Nilgiri Biosphere Reserve, Zool. Surv., India.*: 67.

*Material examined:* 1 ♀, Dauryua Forest Chandigarh, 04.X.2001, Santosh Thakur.

*Distribution:* India: Assam, Bihar, Punjab, Himachal Pradesh, Meghalaya, Tamil Nadu Uttarakhand and West Bengal.

Subfamily *Nemobiinae* Saussure, 1877:75

Genus *Dianemobius* Vickery, 1973:421

48. *Dianemobius fascipes* (Walker, 1869:67)  
 1869. *Eneoptera fascipes* Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, **1**: 67  
 2001. *Dianemobius fascipes* Ingrisch. *Senckenbergiana biologica*, **81**: 154.  
 2007. *Pteronemobius fascipes* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2684.  
*Material examined*: 2 ♀, Forest rest house Chandigarh, 11.IX.2000, M.L.Thakur.  
*Distribution*: India: Andaman & Nicobar Island, Arunachal Pradesh, Bihar, Chhattisgarh, Delhi, Goa, Assam, Himachal Pradesh, Meghalaya, Orissa, Sikkim, Uttar Pradesh, Madhya Pradesh, Maharashtra, Haryana, Jammu & Kashmir, Kerala, Karnataka, Tamilnadu, Tripura, West Bengal. *Elsewhere*: Myanmar, China, Indonesia, Malayasia, Philippines, Singapore, Sri Lanka & Taiwan.
49. *Dianemobius csikii* (Boliver, 1901:248)  
 1901. *Nemobius csikii* Bolivar, I. In *Zichy. Zoologische Ergebnisse der dritten Asiatischen Forschungsreise des Grafen Eugen Zichy*, **2**: 243.  
 1967. *Pteronemobius csikii* Chopard. In *Beier [Ed.]. Orthopterorum Catalogus*, **10**: 170.  
 2004. *Dianemobius csikii* Storozhenko. *Dlinousye pryamokrylye nasekomye (Orthoptera: Ensifera) asiatskoi chasti Rossii [Long-horned orthopterans (Orthoptera: Ensifera) of the Asiatic part of Russia]*, 224.  
 2007. *Pteronemobius csikii* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2684.  
*Material examined*: 1 ♂, Forest rest house Chandigarh. 11.IX.2000, M.L. Thakur  
*Distribution*: India: Arunachal Pradesh, Bihar, Assam, Chhattisgarh, Himachal Pradesh, Meghalaya, Orissa, Sikkim, Uttar Pradesh, Madhya Pradesh, Maharashtra, Haryana, Jammu & Kashmir, Kerala, Karnataka, Tamilnadu. *Elsewhere*: Bhutan, China, Maynmar, Siberia, Srilanka.  
 Subfamily CACHOPLISTINAE  
 Saussure, 1877:325  
 Genus *Meloimorpha* Walker, 1870:468
50. *Meloimorpha cincticornis* (Walker, 1870:469)  
 1870. *Meloimorpha cincticornis*, Walker, *Cat. Derm. Salt. Br. Mus.*, **3**: 469.  
 1969. *Homoegryllus cincticornis*, Chopard, *Fauna of India, (Orthoptera: Grylloidea)*, **2**: 242.  
 2007. *Homoegryllus cincticornis*, Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2685  
*Material examined*: 1 ♀, Forest rest house Chandigarh, 11.IX.2000, M.L. Thakur.  
*Distribution*: India: Chhattisgarh, Maharashtra, Himachal Pradesh, Madhya Pradesh, Meghalaya, Tamil Nadu & Uttarakhand. *Elsewhere*: Pakistan.  
 Subfamily EUSCYRTINAE Otte, D. 1994:70  
 Genus *Euscyrtus* Guerin-Meneville, 1844:334
51. *Euscyrtus hemelytrus* (Hann, 1842:231)  
 1842. *Gryllus hemelytrus* Haan. In *Temminck. Verhandelingen over de natuurlijke geschiedenis der derlandsche overzeesche bezittingen. Zoologie*: 231.  
 1987. *Euscyrtus (Osus) hemelytrus* Gorochov. In *Medvedev, L.N. [Ed.]. Entomofauna V'etnama [Entomofauna of Vietnam]*. 9.  
 2000. *Euscyrtus hemelytrus* Shishodia, *Rec. zool. Surv. India*, **98**(3): 7.  
*Material examined*: 1 ♀, Forest rest house Chandigarh, 04.VIII.2001, Santosh Thakur.  
*Distribution*: India: Andaman & Nicobar Island, Assam, J&K, Kerala, Orissa, Tamil Nadu, Tripura, Uttarakhand & West Bengal. *Elsewhere*: China, Japan, Korea, North America, Australia, Batavia, Kuala Lumpur, Korea, Taiwan, Asia Tropical, Burma, Malaysia, Java, Sri lanka.  
 Family TRIGONIDIIDAE Daussure, 1874:361  
 Genus *Trigonidium* Rambur, 1838:349
52. *Trigonidium humbertianum* (Saussure, 1878:468)  
 1878. *Homoeoxiphus humbertianum*, Saussure, *Mem. Soc. Geneve*, **25**: 468.  
 1969. *Trigonidium humbertianum*, Chopard, *Fauna Ind. Grylloidea*, **2**: 305.  
 2000. *Trigonidium humbertianum* Shishodia, *Rec. Zool. Surv. India*, **98**(3): 5.  
*Material examined*: 1 ♂, 1.X.2002, Kansal forest, Dr. H.S. Mehta.  
*Distribution*: India: Andaman & Nicobar Island, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Gujarat, Himachal Pradesh, Karnataka,

Kerala, Manipur, Maharashtra, Madhya Pradesh, Meghalaya, Orissa, Tamil Nadu, Tripura, Uttar Pradesh & West Bengal. *Elsewhere*: Sri Lanka, Malaysia, widely distributed in oriental region.

Family TETTIGONIIDAE Krauss, 1902:541

Subfamily PHANEROPTERINAE

Burmeister, 1838:684

Genus *Letana* Walker 1869:277

53. *Letana megastridula* Ingrisch, 1990:258

1990. *Letana megastridula* Ingrisch, *Entomologica Scandinavica*, **21**(3): 258.

2007. *Letana megastridula* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2684.

*Material examined*: 1♂, Forest rest house Chandigarh, 09.IV.2000, T.R. Sharma

*Distribution*: India: Bihar, Chhattisgarh, Himachal Pradesh, Maharashtra and Tamil Nadu.

54. *Letana linearis* Walker, 1869:278

1869. *Letana linearis* Walker, F. *Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum*, **2**: 278.

2000. *Letana linearis* Ingrisch & Shishodia. *Mitteilungen der Münchner Entomologischen Gesellschaft*, **90**: 16.

2004. *Letana linearis*, Shishodia & Barman, *State Fauna Series*, 10: *Fauna of Manipur, Zool. Surv. India*,: 140.

*Material examined*: 1♀, Industrial Area, Chandigarh, 09.IV.2000, T.R. Sharma.

*Distribution*: India: North West and North East Himalaya. *Elsewhere*: Nepal.

Genus *Elimaea* Stal 1874:27

55. *Elimaea securigera* Brunner von Wattenwyl, 1878:93

1878. *Elimaea securigera* Brunner von Wattenwyl. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, **28**: 93.

2007. *Elimaea securigera* Chandra *et al.*, *Zoos' Print Journal*, **22**(5): 2684.

*Material examined*: 1♀, Forest rest house Chandigarh, 01.VIII.2000, M.S. Thakur.

*Distribution*: India: Assam, Andaman &

Nicobar Island, Andhra Pradesh, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Karnataka, Orisa, Rajasthan, Meghalaya, Nagaland, Himachal Pradesh, Sikkim, Tripura, West Bengal. *Elsewhere*: Australia, Indonesia, Java, Nepal, Philippines and Sri Lanka.

Genus *Isopsesa* Brunner von Wattenwyl, 1878:218

56. *Isopsesa pedunculata* Brunner von Wattenwyl, 1878:220

1878. *Isopsesa pedunculata* Brunner von Wattenwyl. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*. **28**: 220.

2000. *Isopsesa pedunculata* Ingrisch & Shishodia. *Mitteilungen der Münchner Entomologischen Gesellschaft*. **90**: 7.

*Material examined*: 1♂, Forest rest house Chandigarh, 01.VIII.2000, M.S. Thakur.

*Distribution*: India: Assam, Delhi, Himachal Pradesh, Orissa, Rajasthan, Tamil Nadu and West Bengal. *Elsewhere*: Myanmar.

Subfamily PSEUDOPHYLLINAE  
Burmeister, 1838:695

Genus *Sathrophyllia* Stal 1874:54

57. *Sathrophyllia femorata*  
(Fabricius, 1787:233)

1787. *Locusta femorata* Fabricius, *Mantissa Insectorum stens eorum species nuper detectas adjectis characteribus genericis, differentiis specificis, emendationibus, observationibus*,: 233.

1927. *Sathrophyllia femorata punctifrons* Karny. *Arkiv för Zoologi*, **19A**(12): 8.

2003. *Sathrophyllia femorata*, Barman, *State Fauna series*, **9**: *Fauna of Sikkim, Part 2, Zool Surv. India*, 197.

*Material examined*: 1♂, Forest rest house Chandigarh, 20.VIII.2000, M.S. Thakur.

*Distribution*: India: Karnataka, Maharashtra, Sikkim, Tamil Nadu and West Bengal. *Elsewhere*: Borneo, Cambodia, Java, Malaysia, Myanmar and Sumatra.



SubFamily MECOPODINAE Walker, 1871:101

Genus *Mecopoda* Serville, 1831:154

58. *Mecopoda elongate elongate*  
(Linnaeus, 1758:429)

1758. *Gryllus (Tettigonia) elongatus* Linnaeus. *Systema Naturae per Regna tria naturae (10th ed.)*. 1: 429.

1993. *Mecopoda elongate*, Barman, *State Fauna Series*, 3: *Fauna of West Bengal, Part 4, Zool. Surv. India*: 363.

2007. *Mecopoda elongate* Chandra *et al.*, *Zoos' Print Journal*, 22(5): 2684.

*Material examined*: 2 ♀, Forest rest house, Chandigarh, 18.VIII.2000, M.L. Thakur 1 ♂, Daurya Forest, Chandigarh, 18.VIII.2000 M.L. Thakur.

*Distribution*: India: Andaman & Nicobar Island, Andhra Pradesh, Arunachal Pradesh, Assam, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orisa, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh & West Bengal. *Elsewhere*: Australia, Aru Islands, Borneo, Celebes, China, Indonesia, Japan, Malacca, Malaysia, Moluccas, New Guinea, Philippines, Singapore, Sunda Islands, Taiwan, Thailand & Tonkin.

### DISCUSSION

Pajni and Shaila, 1983 studied (1976-77) 44 species of short horned grasshopper, out of which three species are reported from out of Chandigarh at that time and two sub families i.e. Scelimeninae and Metrodorinae are not observed in present

study. Similarly the Grylloidea of Chandigarh was studied (1877-78) by Pajni and Kalra, 1986. At that time they studied 51 species out of which 09 species are reported out of Chandigarh and families Eneopteridae, Mogoplistidae and Scleropteridae represented 08 species are not reported present study. Thakur and Thakur (2011) reported 19 species of long horned grasshopper from Sukhna catchment area, Chandigarh.

### SUMMARY

Present study represents the 58 valid species with accepted nomenclature and upto date classification. A total of 3 families from suborder Califera represent 39 species and Suborder Ensifera have 4 families and 19 species. The largest family is the Acrididae represents 30 species under 8 sub families. The present works provide the concrete information of Orthoptera of Chandigarh and surrounding area. The work would also helpful in further ecological studies and socioeconomic development of the country.

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