

A CHECK LIST OF THE GRYLLIDAE (ORTHOPTERA), WITH  
INTER-TERRITORIAL DISTRIBUTION, FROM  
THE EASTERN HIMALAYAS

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ABSTRACT

Recent systematic investigation of the Eastern Himalayas gryllids shows that so far 103 species belonging to 41 genera, under 12 subfamilies, are known to occur. Some of the species lately described from the area are now considered synonymies. Thus *Teleogryllus megalensis* Lahiri and Ghosh, 1975, is synonymised with *T. testaceus* (Walker, 1869); *Velarifictorus jaintianus* Biswas and Ghosh, 1975, with *V. bhaduri* (Bhowmik, 1967); *Scapsipedus lohitensis* Tandon and Shishodia, 1972, with *V. sikkimensis* (Bhowmik, 1967). Besides, a few new species described and a large number of species recorded from the locality necessitated a consolidated list of valid species for further detailed study of these interesting insects.

INTRODUCTION

The varied ecosystems and topographies of the eastern Himalayas provide an ideal niche for harboring various forms of crickets. Though the publication of Chopard (1969) provides basic information of the crickets of India as a whole, there is no consolidated faunal account of gryllids from these areas. Recent studies by Bhowmik (1967, 1968, 1969, 1975, 1976, 1977a, 1977b), Tandon and Shishodia (1972, 1974), Vasanth *et al* (1975), Vasanth (1978) and Biswas *et al* (1975) have resulted description of some new species, recording of many species and new localities for large number of species. Some of the species recently described are now considered synonymies. Besides, the systematics used

in Fauna is back dated and even before its publication has been subjected to systematic revision (Chopard, 1961; Randall, 1964).

In view of these, the present communication aims at straightening all scientific confusion, provides the current scientific names in the light of modern systematics with inter-territorial distributional records, in order to facilitate and stimulate further study of this interesting fauna. Furthermore, this check-list will show contrast with faunal wealth of these insects from that of the western Himalayas (having total 70 species; belonging to 34 genera under 10 subfamilies (4 new species)—vide Bhowmik in press). The eastern Himalayas are rich in this respect.

## SYSTEMATIC ACCOUNT

## Order ORTHOPTERA

## Family GRYLLIDAE

## 1. Sub-family GRYLLINAE

Name of the species	Inter-territorial distribution	Remarks
1. <i>Brachytrypes portentosus</i> (Lichtenstein, 1796)	W. B. (Darjeeling). Assam (Kaligunga) ; Cachar ; Sibsagar ; Mangaldai ; Ledo ; Majgaown). Meghalaya (Garo Hills ; Khasi Hills).	
2. <i>B. orientalis</i> (Burmeister, 1838)	Assam (Chabua ; Sibsagar ; Ledo). Meghalaya (Garo Hills).	
3. <i>Gymnogryllus kasmirensis</i> (Bhowmik; 1967)	Assam (Doom Dooma). Meghalaya (Shillong).	<i>G. minor</i> Chopard, 1969, is synonymised with it.
4. <i>Gryllus bimaculatus</i> (De Geer, 1773)	W. B. (Kurseong ; Sukna : Darjeeling). Meghalaya (Khasi Hills). Arunachal Pradesh (Kameng). N. Sikkim.	Very common species.
5. <i>Lenigryllus quadrimaculatus</i> (Saussure, 1877)	Assam.	
6. <i>Modicogryllus confirmata</i> (Walker, 1859)	Assam (Ledo). Manipur (Imphal Valley).	
7. <i>Modicogryllus semiobscurus</i> (Chopard, 1969)	Assam (Near Ledo).	♀ unknown.
8. <i>M. minimus</i> (Chopard, 1928)	Assam (Ledo). W. B. (Sureil). Arunachal Pradesh (Siang).	
9. <i>M. blennus</i> (Saussure, 1877)	Assam (Ledo).	
10. <i>M. ehsni</i> (Chopard, 1969)	Assam (Ledo).	
11. <i>Melanogryllus carmichaeli</i> (Chopard, 1928)	W. B. (Sukna).	
12. <i>Plebeiogryllus guttiventris</i> (Walker, 1871)	Common throughout India	
13. <i>Teleogryllus mitratus</i> (Burmeister, 1838)	Assam (Ledo). Meghalaya (Khasi Hills ; Jaintia Hills). NEFA. W.B. (Darjeeling ; Sukna ; Siliguri ; Naxalbari ; Mirik). Manipur.	
14. <i>T. testaceous</i> (Walker, 1869)	W. B. (Darjeeling ; Bamanpukri ; Bhutan Ghat). Meghalaya (Khasi and Garo Hills).	

Name of the species	Inter-territorial distribution	Remarks
15. <i>T gracilipes</i> (Saussure, 1877)	Assam (Ledo).	
16. <i>T. himalayanus</i> (Chopard, 1928)	W. B. (Kurseong ; Ghumti).	
17. <i>T fletcheri</i> (Chopard 1935)	Meghalaya (Shillong).	
18. <i>T pallidus</i> (Chopard, 1928)	W. B. (Darjeeling).	
19. <i>Gryllopsis falconetti</i> (Saussure, 1877)	W. B. (Mongpong ; Bamanpukri ; Bhutan Ghat).	
20. <i>G. femorata</i> (Chopard, 1935)	Meghalaya (Garo and Khasi Hills).	♂ unknown.
21. <i>Turanogryllus rufoniger</i> (Chopard, 1925)	Meghalaya (Shillong). W. B. (Derjeeling).	
22. <i>T histrio</i> (Saussure, 1877)	Assam (Mangaldai ; Kaziranga).	
23. <i>T pubescence</i> (Chopard, 1928)	W. B. (Ghumti). Meghalaya (Garo and Khasi Hills).	♂ unknown.
24. <i>T. pallida</i> (Chopard, 1969)	W. B. (Derjeeling).	♂ unknown.
25. <i>Velarifictorus aspersus</i> (Walker, 1869)	Meghalaya (Shillong).	
26. <i>V. parvus</i> (Chopard, 1928)	W. B. (Sitong Ridge). Meghalaya (Khasi Hills).	
27. <i>V. grylloides</i> (Chopard, 1969)	Assam (Ledo Road).	
28. <i>V. bhadurii</i> (Bhowmik, 1967)	U. P. (Dehradun). Meghalaya (Jaintia and Khasi Hills).	<i>V. jaintianus</i> Biswas and Ghosh, 1975, is synoni- mised.
29. <i>V. raychoudhuri</i> (Bhowmik, 1967)	U. P. (Dehradun).	♀ unknown
30. <i>V. jharnac</i> Manipur. (Bhowmik, 1967)		♀ unknown.
31. <i>V. sikkimensis</i> (Bhowmik, 1967)	W. B. (Mongpong ; Bamanpukri ; Samsing ; Hasimara). NEFA (Lohit, Deopani).	<i>S. lohitis</i> Tandon and Shishodia, 1972, is synonymised.
32. <i>V. khasiensis</i> (Vasanth and Ghosh, 1975)	Meghalaya (Khasi and Garo Hills).	

Name of the species	Inter-territorial distribution	Remarks
33. <i>V arorai</i> (Tandon, 1972)	NEFA (Subansiri).	
34. <i>Loxoblemmus e. equestris</i> (Saussure, 1877)	Assam (Doom Dooma ; Ledo). Meghalaya (Songsok, Garo Hills). NEFA.	
35. <i>L. e. manipurensis</i> (Bhowmik, 1969)	Manipur (Imphal).	
36. <i>L. detectus</i> (Serville, 1839)	Sikkim. NEFA.	
37. <i>L. haani</i> (Saussure, 1877)	W. B. (Darjeeling). NEFA.	
38. <i>L. taicoun</i> (Saussure, 1877)	NEFA.	
39. <i>L. nigriceps</i> (Chopard, 1933)	Sikkim (Gangtok).	
40. <i>L. macrocephalus</i> (Chopard, 1969)	Assam (Ledo Road). NEFA. W. B.	
41. <i>L. longipalpis</i> (Chopard, 1928)	NEFA (Siang).	
42. <i>L. fletcheri</i> (Chopard, 1935)	Meghalaya (Shillong).	
43. <i>L. jacobsoni</i> (Chopard, 1927)	Meghalaya (Khasi Hills).	
44. <i>Stephoblemmus humbertiellus</i> Meghalaya. (Saussure, 1877)		
45. <i>Parasciobia indica</i> (Chopard, 1935)	Meghalaya (Shillong).	
46. <i>Grylloides sigillatus</i> (Walker, 1869)	Assam (Ledo). Meghalaya. W. B. (Sevok).	
47. <i>Nemobiodes sukhadae</i> (Bhowmik, 1976)	W. B. (Mirik , Bamanpukri ; Nilpara ; Rydak ; Suklapara).	
48. <i>Cophogryllus ornatus</i> (Chopard, 1928)	W. B. (Mongphu ; Kurseong ; Jor Pokhri).	♂ unknown.
49. <i>C. angustus</i> (Chopard, 1928)	W. B. (Singla).	♂ unknown
50. <i>C. bilineatus</i> (Chopard, 1969)	Assam (Mishmi Hills).	♂ unknown
51. <i>Landreva ebneri</i> (Chopard, 1969)	Sikkim.	♂ unknown
52. <i>L. clara</i> (Walker, 1869)	Sikkim	♂ unknown

Name of the species	Inter-territorial distribution	Remarks
II. Subfamily : NEMOBIINAE		
53. <i>Pteronemobius indicus</i> (Walker, 1869)	Assam (Ledo ; North Lakhimpur). Meghalaya (Garo Hills). NEFA. W. B. (Rydak).	
54. <i>P. concolor</i> (Walker, 1871)	Assam (Ledo). W.B. (Mirik).	
55. <i>P. montanus</i> (Chopard, 1933)	Assam (Ledo). Sikkim. W.B. (Kalimpong).	
56. <i>P. rufipes</i> (Chopard, 1969)	W.B. (Sureil).	♂ unknown.
57. <i>P. taprobanensis</i> (Walker, 1869)	Assam (Chabua ; Doom Dooma ; Tejpur ; Ledo). Meghalaya (Garo Hills). NEFA. W.B. (Darjeeling ; Naxalbari ; Chunabati ; Bhutan Ghat).	
58. <i>P. fascipes</i> (Walker, 1869)	Assam (Chabua ; Ledo ; North Lak- shimpur). Sikkim (Rongli Chu). W.B. (Kalimpong ; Kurseong). Meghalaya (Garo Hills). NEFA.	
59. <i>P. csikii</i> (Bolivar, 1901)	Assam (Mangaldai ; Bhutan Frontier). NEFA.	
60. <i>P. pilicornis</i> (Chopard, 1969)	Meghalaya (Garo Hills).	
61. <i>P. panteli</i> (Chopard, 1969)	W.B. (Kurseong ; Ghoombanj ; Mirik)	
62. <i>P. strigipennis</i> (Chopard, 1928)	W.B. (Soom).	
63. <i>Speonemobius decoloratus</i> (Chopard, 1924)	Meghalaya (Garo Hills, Siju Caves).	♀ unknown.
64. <i>S. decolyi</i> (Chopard, 1969)	Assam. W.B. (Kurseong).	♀ unknown.
65. <i>S. punctifrons</i> (Chopard, 1969)	Assam (Ledo).	
66. <i>Scottiola minima</i> (Chopard, 1928)	Assam (Mangaldai, Darrang).	♂ unknown.
67. <i>S. divarna</i> (Bhowmik, 1976)	W.B. (Mirik).	
68. <i>S. elongata</i> (Bhowmik, 1976)	W.B. (Mirik).	
III. Subfamily : MOGOPLISTINAE		
69. <i>Cycloptiloides orientalis</i> (Chopard, 1925)	Assam (Ledo).	

Name of the species	Inter-territorial distribution	Remarks
IV. Subfamily : SCLEROPTERINAE		
70. <i>Scleropterus punctatus</i> (Brunner, 1893)	Assam (Ledo). Arunachal Pradesh (Missamari).	
71. <i>S. coriaceus</i> (Haan, 1842)	Assam (Kaziranga).	
V. Subfamily : CACOPLISTINAE		
72. <i>Cacoplistes rogenhoferi</i> (Saussure, 1877)	Assam (Gauhati ; Kaziranga). W.B. (Pashok).	
VI. Subfamily : PHALANGOPSINAE		
73. <i>Larandopsis chopari</i> (Chopard, 1928)	Meghalaya (Garo Hills, Siju Caves).	Known from immature speci- mens.
74. <i>Kempiola longipes</i> (Chopard, 1924)	Meghalaya (Garo Hills, Siju Caves).	
75. <i>Arachnomimus nietneri</i> (Saussure, 1878)	W. B. (Ghoombanj).	
76. <i>Opilonacris</i> (?) <i>annandalei</i> (Chopard, 1928)	W. B. (Sureil)	Known from a single female
VII. Subfamily : OECANTHINAE		
77. <i>Oecanthus indicus</i> (Saussure, 1878)	Arunachal Pradesh (Changland ; Tirap Div. ; Lohit ; Kameng). W. B. (Chunabati).	
VIII. Subfamily : TRIGONIDIINAE		
78. <i>Homoeoxipha lycoides</i> (Walker, 1869)	Assam (Chabua ; Misamari). NEFA. W. B. (Siliguri ; Naxalbari ; Mirik ; Chunabati, North Sevok).	
79. <i>Anaxipha longipennis</i> (Serville, 1839)	Assam (Ledo).	
80. <i>A. manipurensis</i> (Bhowmik, 1968)	Manipur (Imphal Valley).	♂ unknown
81. <i>Paratrigonidium nitidum</i> (Brunner, 1893)	Assam (Ledo).	Little known species

Name of the species	Inter-territorial distribution	Remarks
82. <i>P. unifasciatum</i> (Chopard, 1928)	W. B. (Soom).	♀ unknown.
83. <i>Metioche vittaticollis</i> (Stal, 1861)	Assam (Ledo).	Little known species
84. <i>M. pallidinervis</i> (Chopard, 1928)	W. B. (Sureil).	♀ unknown.
85. <i>Metiochodes sikkimensis</i> (Bhowmik, 1968)	North Sikkim.	♀ unknown.
86. <i>Trigonidium cicindeloides</i> (Rambur, 1839)	Assam (Mangaldai : Bhutan Frontier ; Chabua ; Dibrugarh). W. B. (Mirik ; Chunabati ; North Sevok ; Santosh river bed).	
87- <i>T. humbertianum</i> (Sausaure, 1878)	Assam (Dibrugarh ; Doom Dooma). W. B. (North Sevok).	
IX. Subfamily : ENEOPTERINAE		
88. <i>Xenogryllus transversus</i> (Walker, 1869)	Assam (Ledo). Sikkim. W. B. (Suklapara).	
89. <i>X. carmichaeli</i> (Chopard, 1928)	W. B. (Darjeeling).	
X. Subfamily : ITARINAE		
90. <i>Itara minor</i> (Chopard, 1925)	Meghalaya (Garo Hills). W. B. (Darjeeling).	
XI. Subfamily : PODOSCIRTINAE		
91. <i>Calyptotrypus roonwali</i> (Bhowmik, 1977)	Manipur (Imphal Valley).	♀ unknown.
92. <i>C. bimaculatus</i> (Chopard, 1928)	Arunachal Pradesh (Kameng). North Sikkim. Bhutan (Pedong).	♀ unknown.
93. <i>C. hofmanni</i> (Saussure, 1878)	Arunachal Pradesh (Subansiri (Div.)).	
94. <i>Euscyrtes hemelytrus</i> (Hann, 1842)	Assam (Tinsukia ; Chabua ; Ledo). W. B. (Naxalbari ; Sukha ; Chuna- bati ; Hasimara).	
95. <i>E. concinnus</i> (Hann, 1842)	Assam (Chabua ; Doom Dooma ; Ledo ; N. Lakhimpur). NEFA.	

Name of the species	Inter-territorial distribution	Remarks
96. <i>E. angustifrons</i> (Chopard, 1969)	Assam (Dibrugarh).	♂ unknown.
97. <i>Paticus cephalotes</i> (Saussure, 1878)	Sikkim. Assam (Ledo).	
98. <i>P. brevipennis</i> (Chopard, 1969)	Assam (Ledo).	
99. <i>P. malayanus</i> (Chopard, 1969)	Assam (Gauhati).	
100. <i>Madasumma melanonotum</i> (Chopard, 1969)	Assam (Ledo).	♀ unknown.
101. <i>M. gravelyi</i> (Chopard, 1928)	W. B. (Kalimpong).	♀ unknown.
102. <i>M. darjeelingensis</i> (Chopard, 1928)	Meghalaya (Shillong). Bhutan. W B. (Pashok).	
103. <i>M. assamensis</i> (Chopard, 1969)	Assam (Chabua).	♀ unknown.

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