

**GROUSE LOCUSTS (INSECTA : ORTHOPTERA : TETRIGIDAE)  
OF THE KANHA NATIONAL PARK, DISTRICT MANDLA,  
MADHYA PRADESH, INDIA**

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**INTRODUCTION**

Tandon *et. al.* 1976 have reported 23 species of Orthoptera, belonging to families Pyrgomorphidae, Acrididae, Gryllidae and Oecanthidae, from the Kanha National Park, District Mandla, Madhya Pradesh. The present study deals with the grouse locusts (Family : Tetrigidae) of that area. Eight species under six genera are recorded. Distributional ranges have been given for each of these species. A consolidated list of species of grouse locusts reported from Madhya Pradesh, along with a key is appended in the end. This study is based on the material collected during the Kanha National Park Survey, 1974.

**SYSTEMATIC ACCOUNT**  
**Order ORTHOPTERA**  
**Family TETRIGIDAE**  
**Subfamily SCELIMENINAE**

**1. Thoradonta pruthii Gunther, 1938**

1938. *Thoradonta pruthii* Gunther, *Stettin. ent. Ztg.*, **99** : 129-30.

*Material examined* : 1 ♂, Forest near Rest House, Kanha, 28. ii. 1974, coll. H. Khajuria; 2 ♂♂, 2 Km. north of Mukki forest, Kanha, 1. iii. 1974, coll. H. Khajuria.

*Distribution* : India (Madhya Pradesh, Karnataka).

**2. Criotettix bispinosus (Dalman)**

1818. *Acrydium bispinosum* Dalman, *Kongl. Vet. Akad. Handl.*, : 77.

1887. *Criotettix bispinosus*, Bolivar, *Annls Soc. ent. Bela.*, **31** : 185.

1938. *Criotettix bispinosus*, Gunther, *Stettin. ent. Ztg.*, **99** : 134.

*Material examined* : 1 ♀, Forest meadow and a nala close to Rest House, Kanha, 20. ii. 1974, coll. N. K. Sinha.

*Distribution* : India (Assam, Bihar); Burma; Java; Sumatra; Borneo; Taiwan; Hainan; China; Sulawesi; Malaya; Thailand and Luzon.

## Subfamily TETRIGINAE

3. **Euparatettix personatus** (Bolivar)

1887. *Paratettix personatus* Bolivar, Annls Soc. ent. Belg., 31 : 128.  
 1904. *Euparatettix personatus*, Hancock, Spolia zeylan., 2 : 145-146.

*Material examined* : 1 ♀, Forest near Rest House, Kanha, 28. ii. 1974, coll. H. Khajuria.

*Distribution* : India (Throughout India) ; Bangladesh ; Pakistan ; Burma ; Sri Lanka ; Java ; Philippines ; Taiwan and Celebes.

4. **Euparatattix histricus** (Stål)

1860. *Tetrix histrica* Stål, Freq. Euganies Resa Orth., : 347.  
 1941. *Euparatettix histricus*, Günther, Stettin. ent. Ztg., 102 : 150.

*Material examined* : 8 ♂♂, 6 ♀♀ Fallow paddy fields, about 2 km. north of Mukki forest, 1. iii. 1974, coll. H. Khajuria ; 1 ♂, 1 ♀, 2 km. south of Kisli market road, 18. ii. 1974, coll. N. K. Sinha ; 1 ♀, Forest meadow and a nala, close to Rest House, 20. ii. 1974, coll. N. K. Sinha ; 1 ♂, 2 ♀♀ Forest around Forest Rest House, 28. ii. 1974. coll. H. Khajuri ;

*Distribution* : India (Tamilnadu, Orissa, Bihar, West Bengal, Meghalaya) ; Pakistan ; Nepal ; Burma ; Sri Lanka ; Java ; Philippines ; Bornaeo ; Sumatra ; Malaya Islands ; South China ; Taiwan ; Queensland ; N. Australia ; Holland ; N. Calendonia and Mindanao.

5. **Hedotettix gracilis** (De Haan)

1842. *Acridium (Tetrix) gracile* De Haan, Temminck, Verhandel. Orth., : 167-169.  
 1914. *Hedotettix gracilis*, Kirby, Fauna Brit. India Orth. (Acrididae) : 72.

*Material examined* : 1 ♀, Periphery of forest meadow, close of nala, 2 km. south east of Kisli, 17. ii. 1974, coll. N. K. Sinha ; 1 ♂ 2 km. south west of Kisli market road, 18. ii. 1974, coll. N. K. Sinha ; 2 ♂♂, 1 ♀. Forest meadow and a nala, near to Rest house, 20. ii. 1974, coll. N. K. Sinha ; 2 ♂♂, Forest around Rest House, 28. ii. 1974, coll. H. Khajuria ; 9 ♂♂, 4 ♀♀, Fallow paddy field about 2 km. north of Mukki forest, 1. iii. 1974, coll. H. Khajuria.

*Distribution* : India (Throughout India) ; Pakistan ; Bangladesh ; Sri Lanka ; Burma ; Thailand ; Java ; Sumatra ; Celebes ; Vietnam and Taiwan.

6. **Hedotettix punctatus** Hancock

1908. *Hedotettix punctatus* Hancock, Trans. R. ent. Soc. Lond., 1909 : 422.  
 1970. *Hedotettix punctatus*, Steinmann, Acta zool. hung., 16 : 234.

*Material examined* : 1 ♂, 1 ♀, Fallow paddy field, 2 km. north of Mukki forest, 1. iii. 1974, coll. H. Khajuria.

*Distribution* : India (Madhya Pradesh, Rajasthan and Himalayan Region) and Borneo.

### 7. *Coptotettix conspersus* Hancock

1915. *Coptotettix conspersus* Hancock, Rec. Indian Mus., 11 : 119-120.

**Material examined :** 1 ♂, Forest meadow and a nala close to Rest House, kanha, 20. ii. 1974, coll. N. K. Sinha.

**Distribution :** India (West Bengal, Assam, Uttar Pradesh) and Sri Lanka.

### 8. *Ergatettix dorsifera* (Walker)

1871. *Tettix dorsifera* Walker, Cat. Derm. Salt. Brit. Mus., 5 : 825.

1929. *Ergatettix dorsifera*, Hebard, Revue suisse Zool., 36 : 588.

**Material examined :** 1 ♂, Periphery of forest meadow, close to nala, 2 km. south east of Kisli, 17. ii. 1974, coll. N. K. Sinha ; 1 ♂, 2 km. South west of Kisli market road, 18. ii. 1974, coll. N. K. Sinha ; 1 ♂, Forest meadow and a nala, close to Rest House, 20. ii. 1974, coll. N. K. Sinha ; 5 ♂♂, 2 ♀♀, Fallow paddy field, 2 km. north of Mukki forest, 1. iii. 1974, coll. H. Khajuria.

**Distribution :** India (Uttar Pradesh, Bihar, Orissa, West Bengal, Madhya Pradesh, Maharashtra, Kerala and Assam) ; Nepal ; Bangladesh ; Burma ; Sri Lanka and Sumatra.

#### Key to the species known from Madhya Pradesh

1. Posterior angles of lateral lobes of pronotum acutely produced outwards and spined. 2
- Posterior angles of lateral lobes of pronotum neither produced nor spined. .... 4
2. Margin of tibiae and first tarsal segment of hind leg very wide and subhyaline ; hind femora spined beneath. *Euscelimena harpago* (Serville)
- Margin of tibiae and first tarsal segment not expanded, but normal; hind femora without spine beneath. 3
3. Lateral margin of the pronotum behind the shoulders, in profile, distinctly angular upwards and from the top view bent inwards ; dorsum strongly sculptured; lateral lobes of pronotum with spine which is directed transversely.

*Thoradonta pruthii* Gunther

- Lateral margin of the pronotum behind the shoulders neither outwards nor inwards distinctly angularly bent ; dorsum without sculptures ; lateral lobes of pronotum with spines which are directed posteriorly.

*Criotettix bispinosus* (Dalman)

4. Vertex and eyes obviously raised above the level of pronotum ; antennae placed between the lower border of eyes. 5
- Vertex and eyes very little or not at all raised above the level of pronotum ; antennae scarcely placed between the middle of eyes. 7
5. Vertex narrower than an eye ; antennae inserted below the middle of eyes ; median carina of pronotum not undulated ; posterior femora with less conspicuous nodosities on the externo—medial area. 6

- Vertex still narrower than an eye ; antennae inserted distinctly below the inferior margin of eyes ; median carina of pronotum undulated ; posterior femora with distinct nodosities on the externo—medial area. ....  
..... *Ergatettix dorsifera* (Walker)
6. Stature slender ; hind tibiae dense black with white annulation just behind the knees ; frontal costa, generally narrowly sulcate. ....  
..... *Euparatettix personatus* (Bolivar)
- Stature more robust and larger ; hind tibiae subunicoloured or obscurely marked but never dense black ; frontal costa, generally, moderately sulcate.  
..... *Euparatettix Histicus* (Stal)
7. Dorsum of pronotum bearing lineate tubercles ; vertex narrower and more narrower in front, not expanded in front ; abbreviated carinae indistinctly present ; median carina of pronotum very fine and interrupted. ....  
..... *Coptotettix conspersus* Hancock
- Dorsum of pronotum smooth or a little granulose ; vertex equal to or a little narrower than an eye ; subtransversely or triangularly carinated in front ; median carina of pronotum percurrent, not at all interrupted. .... 8
8. Frontal costa widely sulcated, the rami more or less abruptly widened between the antennae ; pronotum convex, anterior margin transverse ; median carina of pronotum compresso—arcuate forward before the shoulders, highest at the sulci. .... *Hedotettix gracilis* (De Haan)
- Frontal costa narrowly sulcated, the rami subparallel ; pronotum strongly compresso—cristate, anterior margin angulate ; median carina of pronotum arcuately-cristate, thin and translucent. .... *Hedotettix punctatus* Hancock

## SUMMARY

Eight species of grouse locusts are recorded from the Kanha National Park. Distributional ranges are provided for these species. A list, along with a key to all species recorded from the whole Madhya Pradesh is also appended.

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## REFERENCES

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