

INSECTA : DICTYOPTERA : BLATTARIA

By

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(With 5 Figures)

Family : BLATTIDAE

Subfamily : BLATTINAE

1. *Periplaneta australasiae* (Fabricius)

(Fig. 1)

1775. *Blatta australasiae* Fabricius, *Syst. Ent.*, : 271

1838. *Periplaneta australasiae*, Burmeister, *Handb. Ent.*, 2 (2) : 503, 1012

1966. *Periplaneta qustralasiae*, Princis, *Orthopterorum Catalogus*, Part 8 : 447

Material examined : 1 ex., Miao, Tirap distt., 5.v.81 (At light).

Remarks : It is similar to the American Cockroach but slightly smaller in size, 32 mm. long. General colour red brown. Pale yellow marginal ring on the pronotum is marked by a dark band. Tegmina and wings elongated, extend beyond the abdomen. The Australian Cockroach has a pale yellow stripe on the humeral region of the tegmina. Anterior dorsal surface of the abdomen coloured alternately pale yellow and dark brown. Posterior segments of the abdomen darkbrown.

Distribution : Like some other Cockroaches, this species has been widely distributed by commerce throughout the world, although it is primarily a tropical and subtropical insect.

Family : DEROCALYMMIDÆ

Subfamily : DEROCALYMMINAE

2. *Trichoblatta sericea* (Saussure)

(Fig. 2)

1863. *Perisphaeria sericea* Saussure, *Me'm. Soc. Gene've*, 17 : 138

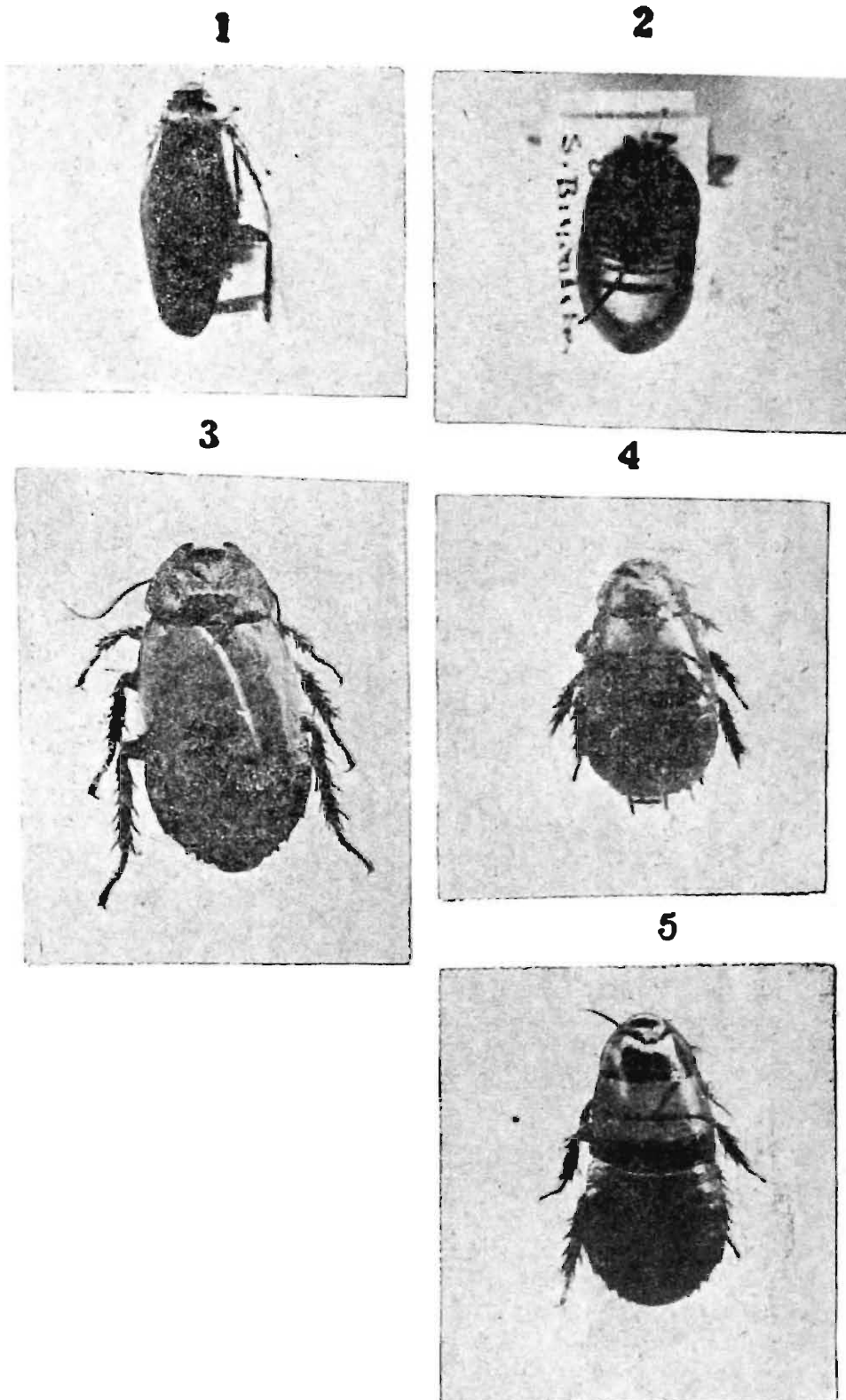
1895. *Trichoblatta sericea*, Saussure & Zehntner, *Revue suisse Zool.*, 3 : 45

1904. *Trichoblatta sericea*, Kirby, *Syn. Cat. Orth.*, 1 : 191

1964. *Trichoblatta sericea*, Princis, *Orthopterorum Catalogus*, Part 6 : 208

Material examined : 3 exs., size 19 mm. long, Zero Camp, Namdapha, 8.iv.81 ; Hornbill, Namdapha, 13.iv.81 ; Firm base, Namdapha, 19.iv.81.

Distribution : INDIA : Sikkim, Assam, Arunachal Pradesh, West Bengal, Orissa, Tamil Nadu, Karnataka and Gujarat.



Figs. 1-5. 1. Showing dorsal view of *Periplaneta-australasiae* (Fabricius).
 2. Showing dorsal view of *Trichoblatta sericea* (Sauss.)
 3. Showing dorsal view of *Panesthia flavipennis* Wood.Mason.
 4. Showing dorsal view of *Panesthia stellata* Sauss.
 5. Showing dorsal view of *Panesthia laevicollis* Sauss,

Family : PERISPHAERIIDAE
Subfamily : GYNINAE

3. *Paranauphoeta indica* Saussure & Zehntner

1895. *Paranauphoeta indica* Saussure & Zehntner, *Revue suisse Zool.*, 3 : 16
1904. *Paranauphoeta indica*, Kirby, *Syn. Cat. Orth.*, 1 : 179
1964. *Paranauphoeta indica*, Princis, *Orthopterorum Catalogus*, Part 6 : 249

Material examined : 1 ex., Hornbill, Namdapha, 11.iv.81.

Distribution : INDIA : Sikkim, Assam and Arunachal Pradesh.

Family : EPILAMPRIDAE
Subfamily : EPILAMPRINAE

4. *Stictolampra plicata* (Navàs)

1904. *Opisthoplatia plicata* Nava's, *Bol. Soc. aragon. Cienc. nat.*, 3 : 130
1910. *Rhiconoda plicata*, Shelford, *Genera Insect.*, 101 : 9
1967. *Stictolampra plicata*, Princis, *Orthopterorum Catalogus*, part II : 683

Material examined : 1 ex., Hornbill, Namdapha, 11.iv.81.

Distribution : INDIA : Gujarat, Madhya Pradesh, Punjab, Bihar, West Bengal, Assam, Arunachal Pradesh, Orissa and Tamil Nadu.

Family : PANESTHIIDAE

5. *Panesthia flavipennis* Wood-Mason (Fig. 3)

1876. *Panesthia flavipennis* Wood-Mason, *J. Asiat. Soc. Bengal*, 45 : 190
1965. *Panesthia flavipennis*, Princis, *Orthopterorum Catalogus*, part 7 : 315

Material examined : 1 ex. (39 mm long), Hornbill, Namdapha, 14.iv.81.

Distribution : INDIA : Assam, Arunachal Pradesh and Nagaland.

6. *Panesthia stellata* Saussure (Fig. 4)

1895. *Panesthia stellata* Saussure, *Revue suisse Zool.*, 3 : 307, 313
1965. *Panesthia stellata*, Princis, *Orthopterorum Catalogus*, part 7 : 313

Material examined : 5 exs. (27 mm long), Deban, 2.4.81 ; Hornbill, Namdapha, 11.iv.81 ; Hornbill, Namdapha, 14.iv.81.

Distribution : INDIA : Sikkim, Arunachal Pradesh and West Bengal. Burma.

7. *Panesthia laevicollis* Saussure

(Fig. 5)

1873. *Panesthia laevigollis* Saussure, *Me'm. Soc. Gene've*, 23 : 1511865. *Panesthia laevicollis*, Princis, *Orthopterorum Catalogus*, part 7 : 313

Material examined : 2 exs. (32 mm long), Deban, 24 km. from Miao, Tirap distt., 7.iv.81 ; Deban, Namdapha, 27.iv.81.

Distribution : INDIA : Sikkim, Arunachal Pradesh, Assam and West Bengal. Australia.

8. *Panesthia angustipennis* (Illiger)1801. *Blatta angustipennis* Illiger, *Mag. Insektenkde*, 1 : 1851838. *Panesthia angustipennis*, Burmeister, *Handb. Ent.*, 2 (2) : 5131965. *Panesthia angustipennis*, Princis, *Orthopterorum Catalogus*, part 7 : 310

Material examined : 1 ex. (44 mm long). Deban North, Namdapha, 28. iv. 81.

Distribution : INDIA : Sikkim, Assam, Arunachal Pradesh and Andaman & Nicobar Islands. China, Burma, Indonesia, Malakka, Philippines, Vietnam, Zanzibar and Australia.

9. *Salganea passaloides* Walker1968. *Salganea passaloides* Walker, *Cat. Blatt. Brit. Mus.*, London : 221904. *Salganea passaloides*, Kirby, *Syn. Cat. Orth.*, 1 : 2001965. *Salganea passaloides*, Princis, *Orthopterorum Catalogus*, Part 7 : 321

Material examined : 11 exs., Miao, 4.iv.81 ; Zero Camp, Namdapha, 9.iv.81 ; Hornbill, Namdapha, 11.4.81 and 13.iv.81.

Distribution : INDIA : Arunachal Pradesh and Andaman. Sri Lanka.

Remarks : It is black and thickly punctured. Head smooth ; face thinly punctured 'd' with a testaceous band near the mouth. Antennae reddish, sometimes piceous towards the base. Abdomen roughly punctured, dark reddish in the disk beneath. Legs short and thick ; tarsal joints from the first to the fourth redish beneath.

Family : ECTOBIIDAE

Subfamily : THEGANOPTERYGINAE

10. *Hemithyrsocera palliata* (Fabricius)1798. *Blatta palliata* Fabricius, *Entomologia systematica*, 2 Suppl : 1861907. *Hemithyrsocera palliata*, Shelford in Wytzman, *Genera Insect.*, 55 : 141971. *Hemithyrsocera palliata*, Princis, *Orthopterorum Catalogus*, Part 14 : 1124

Material examined : 1 ex., Gibbonland, Namdapha, 19.iv.81.

Remarks : This species has shining dark castaneous to black tegmina. Wings with the intercalated field slightly prominent. Subcostal vein nearly reaching the median point. Radial vein forking mesad and sending eleven to twelve branches to the anterior margin. Median and cubital vein unbranched. The whole wing has a brownish tinge, except the strongly darkened anterior field.

Distribution : A widely distributed species in Asia.

Family : PYCNOSCELIDIDAE

11. *Pycnoscelis surinamensis* (Linnaeus)

1758. *Blatta surinamensis* Linnaeus, *Syst. naturae* 1 : 424

1903. *Pycnoscelus surinamensis*, Rehn, *Trans. Am. ent. Soc.*, 29 : 131, 136

1964. *Pycnoscelis surinamensis*, Princis, *Orthopterum Catalogus*, Part 6 : 264

Material examined : 3 ex., Hornbill, Namdapha, 13.iv.81 ; Namdapha, 21.iv.81 ; Deban North, Namdapha, 28.iv.81.

Remarks : The surinam Cockroach is a large dark-brown lubberly insect, about the size of the American Cockroach, but with wings only one-third the length of the body which is distinctly oval in outline. The species shows much variation in shell characters.

Distribution : A cosmopolitan species in distribution.

Family : BLATTELLIDAE

Subfamily : BLATTELLINAE

12. *Blattella humbertiana* (Saussure)

1863. *Polyzosteria humbertiana* Saussure, *Me'm. Soc. Gene've*, 17 : 131

1904. *Phyllodromia humbertiana*, Kirby, *Syn. Cat. Orth.* 1 : 90

1950. *Blattella humbertiana*, Princis, *Ark. Zool.*, (2) 1 : 27

Material examined : 2 exs., Hornbill, Namdapha, 13.iv.81 ; Namdapha Camp, 22. iv. 81.

Remarks : It is a small brown species, the prothorax marked with black and light brown bands. It is perhaps the most common field species.

Distribution : A fairly well distributed species throughout the oriental region.

13. *Blattella germanica* (Linnaeus)

1767. *Blatta germanica* Linnaeus, *Syst. naturae*, 1 (2) : 688

1846. *Phyllodromia germanica*, Fischer v waldheim *Entomogr. Russie* 4 (Orth. Russie), Moscou, : 76

1969. *Blattella germanica*, Princis, *Orthopterorum Catalogus*, Part 13 : 807

Material examined : 2 exs., Hornbill, Namdapha, 13.iv.81. Namdapha Camp, 22. iv. 81.

Remarks : The small tan German Cockroach is about 10 mm long and boat shaped in appearance. General colour pale yellowish brown. Pronotum provided with two parallel, longitudinal dark strips. Tegmina and wings extend beyond the abdomen. Legs elongated and spiny. The last ventral segment is entire in both sexes.

Distribution : A world-wide distributed species.

SUMMARY

The Blattarian fauna of Arunachal Pradesh is still unexplored. The present paper is based on a small collection from several localities of Namdapha. It comprises altogether 34 examples distributed over 9 genera 13 species and 8 families. Photographs of five species are given.

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