



ON AN ACCOUNT OF FAMILY LYGAEIDAE (HEMIPTERA : HETEROPTERA) CHHATTISGARH, INDIA

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INTRODUCTION

The family Lygaeidae in India is represented by nine subfamilies, namely Lygaeinae and Orsillinae (milk-weed bugs), Cyminae and Blissinae (chinch bugs). Geocorinae (big-eyed bugs), Heterogastrinae, Artheneinae and Pachygronthinae (ground bugs) and Rhyparochrominae (seed bugs or milk-weed bugs or chinch bugs). These bugs are small to medium sized, oval or elongated in shape, ranging from 4-20 mm in length, usually brown, red or black in colour, sometimes brightly coloured. This group is recognized by having antennae 4-segmented, a pair of ocelli present between the compound eyes, rostrum four segmented, bucculae well developed, membrane with few irregular veins (4-5 veins) arising from a transverse basal vein and absence of cuneus in hemelytra, front part of their forewings slightly sclerotised and the remaining portion membranous and hind wings always membranous.

Most of the Lygaeidae bugs are phytophagous and feed on plant juices, some feed on plant seeds but some are predators of other insects (subfamily Geocorinae), a few species feed on sap and some feed on blood. These small bugs can cause serious damage to fruit and vegetable crops, many species are well recognized pests of agricultural crops and other vegetation. They are cosmopolitan in distribution, and prefer to be inhabited in moss covered surface or rubbish beneath stones or among plants like herbs and shrubs.

The Lygaeidea is one of the most diversified group, comprises of about 4000 species under 500

genera all over the world (Henry, 2009). More than 292 species belonging to 112 genera are known from the India through the work of Ghosh (2008), Distant (1904, 1910, 1918); Lefroy (1909), Chopra and Rastogi (1980), Mukhopadhyay (1980), Mukhopadhyay and Ghosh (1982), Chakraborty and Ghosh (1994), Ghauri (1982) and Hegde, (1990). Kirishenko and Scudder (1969) described several new species and new genera from the different parts of India. Slater (1966) added one new species of the Pachygronthinae from Ranikhet, Kumaon, India. Slater (1974), Slater and Wilcox (1973) added four new species from India. Kondorosy (2006) added a new species and new genus of Lethaeini from India (North-east and West Bengal). Fauna of Lygaeidae has been documented from states of Orissa (Chakraborty and Ghosh, 1980), West Bengal (Chakraborty and Ghosh, 1994), Uttarakhand (Saha and Bal, 2010). Recently while working on Hemiptera diversity of Barnawapara Wildlife Sanctuary, Raipur, Chhattisgarh, three species of Lygaeidae marked with asterisk were reported (Chandra and Kushwaha, 2012).

The present work deals with the Lygaeidae of the state of Chhattisgarh, an attempt to have a comprehensive account to the family Lygaeidae from Chhattisgarh. The paper includes the study of 43 species under 28 genera of the family Lygaeidae from Chhattisgarh, of which 40 species are new addition to the fauna of state. Taxonomic references, Diagnostic characters and measurements of different body parts of each species, keys to

different taxa of family Lygaeidae, and distribution of the studied species have been provided.

SYSTEMATIC LIST

Family LYGAEIDAE

Subfamily I. RHYPAROCHROMINAE

Tribe RHYPAROCHROMINI

Genus 1. *Metochus* Scott, 1874

1. *Metochus uniguttatus* (Thunberg, 1922)

Genus 2. *Elasmolemus* Stål, 1872

2. *Elasmolemus sordidus* (Fabricius, 1787)
3. *Elasmolemus paralineosus* Mukhopadhyay, 1988

Genus 3. *Rhyparothesus* Scudder, 1962

4. *Rhyparothesus bengalensis* (Distant, 1909)
5. *Rhyparothesus orientalis* (Distant, 1904)
6. *Rhyparothesus sparsus* (Distant, 1904)
7. *Rhyparothesus kangricus* (Kirkaldy, 1907)
8. *Rhyparothesus dudgeoni* (Distant, 1909)

Genus 4. *Dieuches* Dohrn, 1860

9. *Dieuches femoralis* Dohrn, 1860
10. *Dieuches leucocerus* (Walker, 1872)
11. *Dieuchus insignis* (Distant, 1904)
12. *Dieuchus coloratus* (Distant, 1909)

Genus 5. *Cligenes* Distant, 1893

13. *Cligenes signandus* Distant, 1903

Genus 6. *Lachnethus* Scudder, 1962

14. *Lachnethus singalensis* (Dohrn, 1860)

Tribe MYODOCINI

Genus 7. *Pseudopachybrachius* Malipatil, 1978

15. *Pseudopachybrachius guttus* (Dallas, 1852)

Genus 8. *Horridipamera* Malipatil, 1978

16. *Horridipamera nietneri* (Dohrn, 1860)

Genus 9. *Orietotrechus* Scudder, 1962

17. *Orietotrechusaeruginosus* Distant, 1904

Genus 10. *Paraecosmetus* Malipatil, 1978

18. *Paraecosmetus pallicornis* (Dallas, 1852)

Genus 11. *Paromius* Fieber, 1860

19. *Paromius exiguous* (Distant, 1883)

Genus 12. *Usilanus* Distant, 1909

20. *Usilanus burmanicus* Distant, 1909

Tribe OZOPHORINI

Genus 13. *Primierus* Distant, 1901

21. *Primierus indicus* Distant 1901

Tribe DEYMINI

Genus 14. *Kanigara* Distant, 1906

22. *Kanigara flavomarginata* Distant, 1906

Tribe LETHAEINI

Genus 15. *Neolethaeus* Distant, 1909

23. *Neolethaeus typicus* Distant, 1909

Genus 16. *Adauctus* Distant, 1909

24. *Adauctus cupres* Distant, 1909

Tribe ANTILLOCORINI

Genus 17. *Lamproceps* Reuter 1882

25. *Lamproceps indica* (Dall, 1852)

Tribe STYGNOCORINI

Genus 18. *Arrianus* Distant, 1904

26. *Arrianus excavates* Distant, 1904

Subfamily II. ORSILLINAE

Genus 19. *Nysius* Dallas, 1852

27. *Nysius ceylanicus* (Motschulsky, 1863)
28. *Nysius inconspicuous* Distant, 1902
29. *Nysius laucustrinus* Distant, 1909

Subfamily III. LYGAEINAE

Genus 20. *Spilostethus* Stål, 1868

30. *Spilostethus pandurus militaris* (Fabricius, 1763)

31. *Spilostethus hospes* (Fabricius, 1794)

Genus 21. *Graptostethus* Stål, 1868

32. *Graptostethus servus* (Fabricius, 1787)
33. *Graptostethus maculates* (Dallas, 1852)
34. *Graptostethus argentatus* (Fabricius, 1803)

Genus 22. *Melanotelus* Reuter, 1885

35. *Melanotelus bipunctata* Dallas, 1852

Subfamily IV. HETEROGASTRINAE

Genus 23. *Dinomachus* Distant, 1901

36. *Dinomachus rachinus* Distant, 1906

37. *Dinomachus sikhimensis* Distant, 1904
 38. *Dinomachus bengalensis* Mukhopadhyay, 1988
 Genus 24. *Sadoletus* Distant, 1904
 39. *Sadoletus validus* Distant, 1904
 Subfamily V. PACHYGRONTHINAE
 Genus 25. *Pachygrontha* Germar, 1837
 40. *Pachygrontha bipunctata* Stål, 1865
 Subfamily VI. OXYCARENINAE
 Genus 26. *Oxycarenius* Fieber, 1837
 41. *Oxycarenius proximus* Walker, 1872
 Subfamily VII. GEOCORINAE
 Genus 27. *Geocoris* Fallen, 1814
 42. *Geocoris ochropterus* Fieber, 1844
 Subfamily VIII. APHANINAE
 Genus 28. *Harmostica* Bergroth, 1918
 43. *Harmostica ornata* Scudder 1959

SYSTEMATIC ACCOUNT

Superfamily LYGAEOIDEA

Family LYGAEIDAE

Key to the subfamilies of family LYGAEIDAE

1. Usually dull brown or mottled brown, black and white; hemelytra not partly hyaline.....
 RHYPAROCHROMINAE
 - Usually dull brownish yellow; hemelytra partly hyaline..... 2
2. Apical corial margin straight.....
 ORSILLINAE
 - Apical corial margin sinuate on basal half....
 3
3. Cross vein absent on membrane of forewing
 LYGAEINAE
 - Cross vein present on membrane of forewing creating a closed basal cell 4
4. All abdominal spiracles ventral.....
 HETEROGASTRINAE
 - All abdominal spiracles not ventral 5
5. Rostrum short, not or slightly extending beyond anterior coxae
 PACHYGRONTHINAE

- Rostrum extending well beyond anterior coxae 6
- 6. Abdominal spiracles 3-7 ventral
 OXYCARENINAE
- Abdominal spiracles 2-4 dorsal..... 7
- 7 Pronotal margins spread out and flattened ...
 APHANINAE
- Pronotal margins not spread out and flattened..... GEOCORINAE

Subfamily I : RHYPAROCHROMINAE

Key to the tribes of the subfamily RHYPAROCHROMINAE

- 1 Abdominal spiracle ventral..... 2
 - More than one abdominal spiracle dorsal ...
 6
2. Lateral part of sternum fifth with an isolated anterior trichobothrium and two posterior trichobothrium which closely grouped together in a single spot..... 4
 Lateral part of sternum fifth with three dull spots as trichobothria in a linear series ... 3
3. Bucculae meeting far behind labium, middle trichobothrium closer to posterior than to anterior trichobothrium *Antilocorini*
 - Bucculae meet just after labium, middle trichobothrium much closer to anterior than to posterior trichobothrium..... *Lethaeini*
4. Posterior two trichobothria on sternum fifth posterior to spiracle fifth, anterior sterna usually with lateral pores..... *Derymini*
 - Posterior two trichobothria on sternum fifth anterior, anterior sterna without lateral pores 5
5. Presence distinct pronotal collar
 *Ozophorini*
 - Absence of any such collar..... *Stygnocorini*
6. Abdominal spiracle of segment 2 ventral and segments 3 and 4 dorsal.....
 *Rhyparochromini*
 - Abdominal spiracles on segments 2-4 dorsal
 *Myodochini*

Tribe RHYPAROCHROMINI

**Key to the genera of tribe
RHYPAROCHROMINI**

- Pronotum narrowly carinate or sub- carinate and strongly sinuate *Metochus*
- Pronotum strongly punctuate, without carination 2
2. Anterior pronotal lobe and basal half of scutellum dark brown to black.....
..... *Elasmolemus*
- Anterior part of pronotal lobe and base of scutellum not dark brown to black 3
3. Scutellum length and width equal or subequal *Rhyparothethus*
- Scutellum always longer than broad..... 4
4. Pronotum long, more or less constricted near middle *Dieuches*
- Pronotum short, transverse with basenearly twice as broad as head 5
5. Head of normal size..... *Cligenes*
- Head large. Anterior femora incrassate with distinctly spined beneath near apices.....
..... *Lachnesthus*

Genus 1: *Metochus* Scott, 18741874. *Metochus* Scott, *Ann. Mag. nat. Hist.*, **14**(4): 433-434.1. *Metochus uniguttatus* (Thunberg, 1922)1922. *Pendulinus uniguttatus* Thunberg, *Hem. Rost. Cap.*, **4**: 6.1988. *Metochus uniguttatus* (Thunberg): Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, **107**: 5.

Material examined: 1ex., Dist-Raipur, Barnawapara WLS, Marer forest, Lat-21°26'61.8", Long-82°29'42.0", Alt-326m, 21.viii.2012, S.K. Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°74'0.00", Long-82°24'1.2", Alt-321m, 26.iii.2012, S.K. Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara WLS, Sitamutu Temple, Lat-21°29'28.1", Long-82°21'13.5", 23.iii.2012, S.K. Gupta & party coll.; 1ex, Badbhum F.R.H, Dist-Durg, Lat-20°34'36.4", Long-81°19'55.2", Alt-430m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Dist-Raipur, Barnawapara WLS, Dond Pond, Lat-21°20'44.5", Long-82°23'06.0", Alt-290m, 20.viii.2012, S. K. Gupta & Party

Coll; 1ex, Dist-Raipur, Barnawapara WLS, Hardi Pathar, Lat-21°23'42.9", Long-82°26'89.2", Alt-315m, 10.viii.2012, S.K. Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara WLS, Sitamutu Temple, Lat-21°29'28.1", Long-82°21'13.5", 23.iii.2012, S.K. Gupta & Party Coll.; 1ex, Dist-Raigar, Sarguja F.R.H, Lat-21°35'10.1", Long-82°05'23.6", 15.ii.2012, S.K. Gupta & Party Coll.; 2exs, Dist-Koriya, GGNP, Mauri Nala, Lat-23°33'37.5", Long-82°31'34.8", Alt-733m, 10.v.2012, S.K. Gupta & party coll.; 1ex, Dist-Koriya, GGNP, Sonahat F.R.H., Lat-23°28'32.7", Long-82°31'35.4", Alt-690m, 15.v.2012, S.K. Gupta & party coll.; 2exs, Dist-Koriya, GGNP, Mauri Nala, Lat-23°33'37.5", Long-82°31'34.8", Alt-733m, 10.v.2012, S.K. Gupta & party coll.; 1ex, Dist-Koriya, GGNP, Hunkara, Lat-23°44'40.9", Long-82°25'20.5", Alt-646m, 20.xi.2013, A. Parida Coll.; 1ex, Dist-Koriya, GGNP, Hunkara, Lat- 23°44'40.9", Long-82°25'20.5", Alt-646m, 20.xi.2013, A. Parida Coll.; 3exs, Dist-Bastar, Karpavand Village, Lat-19°21'56.8", Long-82°05'30.5", Alt-612m, 2.viii.2013, R.P. Gupta & Avinash Coll.; 1ex, Dist-Durg, Tandola Dam, Lat-20°42'7.7", Long-81°10'49.3", Alt-295m, 26.xi.2014, S.K. Gupta & Party Coll.; 1ex, Dist-Durg, Badbhum F.R.H., Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 5.ii.2014, S.K. Gupta & R.P. Gupta Coll.; 4exs, Dist-Durg, Badbhum F.R.H., Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 8.ii.2014, S.K. Gupta & R.P. Gupta Coll.; 1ex, Dist-Durg, Badbhum F.R.H., Lat-20°14'19.7", Long-81°59'47.8", Alt-440m, 30.iii.2014, S.K. Gupta & R.P. Gupta Coll.; 1ex, Dist-Durg, Badbhum F.R.H., Lat-20°14'19.7", Long-81°59'47.8", Alt-440m, 29.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Dist-Durg, Badbhum F.R.H., Lat-20°14'19.7", Long-81°59'49.7", Alt-440m, 28.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Dist-Durg, Badbhum F.R.H, Lat-20°34'22.8", Long-81°19'4.4", Alt-419m, 11.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Dist-Durg, Balod F.R.H, Lat-20°43'24.6", Long-81°11'40.4", Alt-345m, 21.i.2014, S.K. Gupta & Party Coll; 4exs, Dist-Durg, Badbhum F.R.H., Lat-20°14'19.7", Long-

81°59'49.8", Alt-440m, 31.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 4exs, Dist-Durg, Baddhum F.R.H., Lat-20°14'19.7", Long-81°59'49.8", Alt-440m, 30.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 3exs, Dist-Durg, Baddhum F.R.H., Lat-20°3'22.5", Long-81°10'4.4", Alt-419m, 14.iv.2014, S.K. Gupta & R.P. Gupta Coll.; 1ex, Dist-Durg, Tandola Dam South, Lat-20°42'7.7", Long-81°10'49.3", Alt-295m, 26.xi.2014, S.K. Gupta & Party Coll.; 1ex, Dist-Durg, Baddhum F.R.H., Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 5.ii.2014, S.K. Gupta & R.P. Gupta Coll.; 4exs, Dist-Durg, Baddhum F.R.H., Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 8.ii.2014, S.K. Gupta & R.P. Gupta Coll.; 1ex, Dist-Durg, Baddhum F.R.H., Lat-20°14'19.7", Long-81°59'47.8", Alt-440m, 30.iii.2014, S.K. Gupta & R.P. Gupta Coll.; 1ex, Dist-Durg, Baddhum F.R.H., Lat-20°14'19.7", Long-81°59'47.8", Alt-440m, 29.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Dist-Durg, Baddhum F.R.H., Lat-20°14'19.7", Long-81°59'49.7", Alt-440m, 28.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Dist-Durg, Baddhum F.R.H., Lat-20°34'22.8", Long-81°19'4.4", Alt-419m, 11.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Dist-Durg, Balod F.R.H., Lat-20°43'24.6", Long-81°11'40.4", Alt-345m, 21.i.2014, S.K. Gupta & Party Coll.; 1ex, Dist-Dhamtari, Sankra F.R.H., Lat-20°17'15.4", Long-81°59'45.1", Alt-478m, 26.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Dist-Dhamtari, Sankra F.R.H., Lat-20°17'15.4", Long-81°59'45.1", Alt-478m, 26.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.; 1ex, Chapri (Watch Tower), Dist-Kabirdham, Lat-22°07'45.0", Long-81°09'12.3", Alt-560m, 30.iii.2014, E.E. Jehamalar & Party Coll.; 3exs, Dist-Bastar, Karpavand Village, Lat-19°21'56.8", Long-N 82°05'30.5", Alt-612m, 2.viii.2013, R.P. Gupta & Avinash Coll.

Diagnostic characters: Body pitchy black, Pronotum strongly constricted near middle, Corium yellowish brown, punctuate, lateral margins impunctate, a broad black transverse fascia near inner angle and apical margin, a central elongate spot on posterior lobe of pronotum. Body,

lateral margin of pronotum and legs longly pilose. *Length:* 10-12 mm.

Distribution: India: Chhattisgarh (Durg, Dhamtari, Korba, Koriya, Kabirdhum, Jagdalpur, Raipur, Raigarh); Andaman and Nicobar Islands, Assam, Himachal Pradesh, Karnataka, Maharashtra, Meghalaya, Uttarakhand, West Bengal. *Elsewhere:* China, Malayan Archipelagos, Myanmar, Philippines, Sri Lanka, Sumatra.

Genus 2. *Elasmolomus* Stal, 1872

1872. *Elasmolomus* Stal, *Ofv. Vet. Akad. Forh.*, **89**: 58.

Key to the species of genus *Elasmolomus*

1. Antennal segment II more than twice segment I and longer than III segment; anterior pronotal lobe reddish brown *sordidus*
- Antennal segment II about twice segment I and subequal to segment III; anterior pronotal lobe and base of scutellum fuscous brown ..
..... *paralineosus*

2. *Elasmolomus sordidus* (Fabricius, 1787)

1787. *Cimex sordidus* Fabricius, *Mant. Ins.*, **2**: 302.
1988. *Elasmolomus sordidus*: Mukhopadhyay, *Rec. zool. Surv. India, Occ. Paper No.*, **107**: 50.
2010. *Elasmolomus sordidus*: Saha and Bal, *Fauna of Uttarakhand, State Fauna Series*, **18**(Part-2): 221.

Material examined: 1ex, Dist-Raipur, Bar village, Lat-21°24'0.02", Long-82°25'31.3", Alt-301m, 12.xii.2011, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'00.0", Long-82°24'31.2", Alt-321, 11.iii.2013, R.P. Gupta Coll.; 4exs, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'3.12", 12.xi.2012, Sunil Kr Gupta & party coll.; 2exs, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.04", Long-82°25'19.1", Alt-237m, 12.ii.2011, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'25.4", 2012, Sunil Kr Gupta & party coll.; 7exs, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-82°24'3.12", Alt-321m, 17.iv.2012, Sunil Kr Gupta & party coll.; 2exs, Barnawapara, Dist-Raipur, Lat-21°24'0.00", Long-82°00'3.12", Alt-321m, 18.vi.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp; Lat-21°24'0.00", Long-

0.82°24'3.12", Alt-321m, 26.iii.2012, Sunil Kr Gupta & party coll.; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-82°24'31.2", Alt-321m, 03.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Koriya, Korrcakalri Area, lat-23°14'16.3" long-0.82°22'46.2", Alt-649m, 19.v.2012, Sunil & party Coll; 2exs, Dist-Durg, Baddhum F.R.H., Lat-20°14'19.7", Long-21°59'49.8", Alt-440m, 31.ii.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Dist-Durg, Baddhum F.R.H., Lat-20°14'19.7", Long-21°59'49.8", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Coll; 3exs, Dist-Durg, Baddhum F.R.H., Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 2.ii.2014, S.K. Gupta & Party Coll; 2ex, Tandula Dant South, Dist-Durg, Lat-20°42'7.7", Long-81°10'49.3", Alt-295m, 26.xi.2014, S.K. Gupta & Party Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 5.ii.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°3'22.5", Long-81°10'4.4", Alt-419m, 14.iv.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Balod F.R.H., Dist-Durg, Lat-20°43'24.4", Long-81°11'40.4", Alt-374m 27.i.2014, Gupta & Party Coll; 2exs, Gordli Weot, Dist-Durg, Lat-20°45'20.8", Long-81°07'30.2", Alt-343m, 28.i.2014, Gupta & Party Coll; 1ex, Balod F.R.H., Dist-Durg, Lat-20°43'24.5", Long-81°11'44.4", Alt-345m, 30.i.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Balod F.R.H, Dist-Durg, Lat-20°43'24.6", Long-81°11'40.4", Alt-345m, 21.i.2014, S.K. Gupta & Party Coll; 3exs, Baddhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-81°59'49.5", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Party Coll; 2exs, Dist-Dist-Jagdalpur, Halguda, Lat-19°05'45.6", Long-82°03'9.3", Alt-561m, 29.iii.2012, R.P. Gupta & party Coll; 1ex, Dhanpunji, Dist-Jagdalpur, Lat-19°04'57.4", Long-82°12'45.7", Alt-569m, 23.VII.2012, R.P. Gupta & Party Coll; 1ex, Sunkora F.R.H., Dist-Dhanitan, Lat-20°17'15.6", Long-81°54'45.1", Alt-478m, 21.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Sonhut F.R.H., Dist- Koriya, Lat-23°28'32.7", Long-82°31'35.4", Alt-?, 17.v.2012, Sunil Kr Gupta & party coll.; 1exs, Nonbira F.R.H,

Dist-Koriya, Lat-22°04'51", Long-0.82°51'10.6", Alt-344m, 5.vi.2012, Chandra & Party Coll; 1ex, Dist-Raigar, Samguja F.R.H, Lat-21°35'10.1", Long-0.82°05'23.6", Alt-?, 15.ii.2012, Sunil & Party Coll.

Diagnostic characters: Body brown, anterior lobe of pronotum, base of scutellum and sternum dark reddish brown; abdomen beneath pale reddish brown; apex of scutellum brownish yellow; legs yellowish brown; membrane fuliginosus, with a dark reddish brown spot at base; antennae pale yellowish brown; rostrum yellowish brown, the basal joint reddish brown, apex pitchy black. *Length:* 9–10 mm.

Distribution: India: Chhattisgarh (Durg, Dhanitan, Jagdalpur, Koriya, Raipur, Raigarh); Himachal Pradesh, Maharashtra, Meghalaya, Nagaland, Uttarakhand, West Bengal. *Elsewhere:* China, Myanmar, Sri Lanka.

3. *Elasmolomus paralineosus* Mukhopadhyay 1988

1988. *Elasmolomus paralineosus* Mukhopadhyay, *Rec. zool. Surv. India, Occ. Paper No.*, **107**: 51- 52.

Material examined: 1ex, Sarguja, Dist-Raipur, 8.i.2014, Mandal & Party Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 2exs, Balod F.R.H., Dist-Durg, Lat-20°43'24.4", Long-81°11'40.4", Alt-374m, 27.i.2014, Gupta & Party Coll.

Diagnostic characters: Body is general ochraceous and elliptically elongated; Head short, triangular, pilose; ocelli nearer to eyes than to one another, eyes almost touch pronotal apex; antennae stramineous with distal two thirds of iv segment dark ochraceous, basal segment just passing tylus with few coarse setae, rest of segments finely pilose; labium stramineous reaching 2nd coxae, basal segment about reaching base of head, apical segment dark ochreous; pronotum laterally explanate, anterior lobe fuscous, coarsely punctuate, posterior lobe moderately and brownly punctuate, posterior-lateral corner fuscous with pale tumescent marks; scutellum basally as wide as its length and uniformly

punctuate, basal half dull black and apex pale; legs stramineous with fuscous coxae and light brown apex of hind femora, brownly punctuate and with a single prominent spine, tibiae with coarse setae; membrane fuliginous, appear blackish and reaching abdominal apex. *Length*: 6 mm.

Distribution: India: Chhattisgarh (Durg, Raipur); West Bengal.

Genus 3. *Rhyparothesus* Scudder, 1962

1962. *Rhyparothesus* Scudder, *Can. Ent.*, **95**: 983.

Key to the species of genus *Rhyparothesus*

- 1 Scutellum ochraceous, darkly punctate.....
.....*bengalensis*
- Scutellum finely and thickly punctate..... 2
- 2 Corium coarsely punctuate, with scattered black dots on lateral margin.....*orientalis*
- Corium more prominently speckled with ochraceous of lateral margin..... 3
- 3 Membrane pale fuliginous, basal area piceous..... *sparsus*
- Membrane smoky of basal half except one pale undulating veins and two spots..... 4
- 4 Pronotum broad, lateral margins obliquely rounded; rostrum reaching up to procoxae...
.....*kangricus*
- Pronotum narrow, lateral margins little rounded;rostrum crossing procoxaeudgeoni
.....*dudgeoni*

4. *Rhyparothesus bengalensis* (Distant, 1909)

1909. *Aphanus bengalensis* Distant, *Ann. Mag. nat. Hist.*, (8) **3**: 337.

1964. *Rhyparothesus bengalensis* Slater, *Catalogue of the Lygaeidae of the world*, **2**: 1275.

Material examined: 1ex, Badbhum F.R.H, Dist-Durg, Lat-20°34'22.8", Long-81°19'4.4", Alt-419m, 11.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Head reddish yellow with a slight tinge of brown; antennae brownish yellow with a slight tinge of brown, basal joint, apices of second and third joints, and fourth joint (excluding base) black with red; pronotum yellow with a slight tinge of brown, thickly blackly punctuate, the lateral margins pler

and longitudinally coarsely blackly punctuate; scutellum yellow with a slight tinge of brown, darkly punctuate; clavus and corium pale yellow with a slight tinge of brown, thickly blackly punctuate, the lateral margins pale and sparingly coarsely blackly punctuate; a somewhat large greyish – white spot on apical margin at each side of basal angle of membrane, the apical angle of corium black with red; membrane pale brownish, the upper margins paler, and with a small but very pale spot near apical angle of corium; pronotum yellow with a slight tinge of brown, blackly punctuate; meso and metasterna piceous, the latter with two marginal lines and the posterior margin yellow with a slight tinge of brown and blackly punctuate; abdomen beneath black with red; legs orange yellow, sparingly, finely, blackly punctuate; anterior femora shortly spined beneath; membrane very slightly passing the abdominal apex. *Length*: 6.5 mm.

Distribution: India: Chhattisgarh (Durg), West Bengal. *Elsewhere*: Pusa.

5. *Rhyparothesus orientalis* (Distant, 1904)

1904. *Aphanus orientalis* Distant, *Fauna Brit. India, Rhynchota*, **2**: 81.

1964. *Rhyparothesus orientalis* Slater, *Catalogue of the Lygaeidae of the world*, **2**: 1336.

Material examined: 2exs, Badbhum F.R.H, Dist-Durg, Lat-20°34'22.8", Long-81°19'4.4", Alt-419m, 11.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 7.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 2exs, Badbhum F.R.H., Dist-Durg, Lat-20°3'22.5", Long-81°10'47.8", Alt-440m, 29.iii.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'00", Long-82°24'312", Alt-?, 30.i.2012, Sunil Kr Gupta & party coll.; 3exs, Barnawapara Camp, Dist- Raipur, Lat-21°24'0.00", Long-082°24'3.12", Alt-321m, 24.vi.2012, Sunil Kr Gupta & party coll.; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-082°24'2.12", Alt-321m, 29.viii.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp; Lat-21°24'0.00", Long-

0.82°24'3.12", Alt-321m, 26.iii.2012, Sunil Kr Gupta & party coll.; 2exs, Dist-Raipur, Barnawapara Camp, Lat-N21°24'00.4", Long-E0, 82°25'13.1", Alt-321m, 10.i.2012, Sunil & Party Coll; 1ex, Dist- Raipur, Barnawapara Camp, lat-21°24'0.00", long-82°24'31.2", 9.i.2012, Sunil & party Coll; 1ex, Sunkora F.R.H., Dist-Dhanitan, Lat-20°17'15.6", Long-81°54'45.1", Alt-478m, 21.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body dull yellow with a slight tinge of brown, coarsely brownly punctate; antennae, central lobe of head, anterior disk of pronotum, scutellum and abdomen beneath pale brown with red; pronotum with the lateral and posterior areas thickly punctuate, with scattered black dots on lateral margins; scutellum finely and thickly punctuate; corium coarsely punctuate, with scattered black dots on lateral margins and an oblique elongate black spot near inner angle; legs sparingly darkly punctuate, anterior and posterior femora distinctly toothed beneath near apices; sternum coarsely darkly punctuate; abdomen beneath thickly and finely punctuate. *Length:* 8 mm.

Distribution: India: Chhattishgarh (Durg, Dhanitan, Raipur); Bihar, Karnataka.

6. *Rhyparothesus sparsus* (Distant, 1904)

1904. *Aphanus orientalis* Distant, *Fauna Brit. India, Rhynchota*, **2**: 81.
 1964. *Rhyparothesus sparsus* Slater, *Catalogue of the Lygaeidae of the world*, **2**: 1289.
 1988. *Rhyparothesus sparsus*: Mukhopadhyay, *Rec. zool. Surv. India, Occ. Paper No.*, **107**: 50.
 2010. *Rhyparothesus sparsus*: Saha and Bal, *Fauna of Uttarakhand, State Fauna Series* **18**, Part-2: 222.

Material examined: 5exs, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-0.82°24'3.12", Alt-321m, 17.iv.2012, Sunil Kr Gupta & party coll.

Diagnostic Characters: Body black with red, sprinkled with yellow with a slight tinge of brown; antennae black with red, apical joint dark brown with its extreme base luteous; pronotum broad, the lateral margins amplified, a little recurved, yellow with a slight tinge of brown speckled with black with red; coxae and legs yellow with a slight tinge

of brown; femora speckled with black with red; posterior tibiae dark brown; rostrum yellow with aslight tinge of brown; membrane pale fuliginous, basal area basal with red, apical area mottled with dark brown. *Length:* 7mm.

Distribution: India: Chhattishgarh (Raipur), Assam, Maharashtra uttarakhand, West Bengal.

7. *Rhyparothesus kangricus* (Kirkaldy, 1907)

1907. *Aphanus kangricus* Kirkaldy, *Canad. Ent. Part*-**39**: 331.
 1910. *Rhyparothesus kangricus* Kirkaldy, *Fauna Brit. India, Rhynchota*, **5**: 67-68.

Material examined: 1ex, Badbhum F.R.H, Dist-Durg, Lat-20°14'19.7", Long-81°59'49.8", Alt-440m, 30.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Pronotum is much more distinct; dull blackish, with brownish hairs; rostrum pale brownish yellow; eyes reddish-brown, darkening outwardly; ocelli colourless; laminate lateral margin of pronotum yellowish-brown, hind area pale brown with red punctured with blackish; scutellum apically fading a little, punctured with black; ambulacra, trochanters, bases of femora, first two segments of tarsi, hind margin of metasternum, pale brown with red, rest of legs more or less black with red; tegmina, testaceous, subhyaline, with brown punctures; basal half of membrane smoky, except one pale undulating vein and two spots; apical margin irregularly and faintly smoky. *Length:* 8.5 mm.

Distribution: India: Chhattisgarh (Durg), Himachal Pradesh.

8. *Rhyparothesus dudgeoni* (Distant, 1909)

1909. *Aphanus dudgeoni* Distant, *Ann. Mag. Nat. Hist.*, (8)**3**: 336.
 1910. *Aphanus dudgeoni*: Distant, *Fauna Brit. India, Rhynchota*, **5**: 68-69.
 1962. *Rhyparothesus dudgeoni*: Scudder, *Entom.*, **20**(6): 387.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 29.iii.2014, S.K. Gupta & R.P. Gupta Party Coll; 2exs, Barnawapara Camp, Dist-Raipur,

Lat-21°24'0.00", Long-082°24'3.12", Alt-321m, 17.iv.2012, Sunil Kr Gupta & party coll.

Diagnostic characters: Head pale dull brown with red, with irregular black lines; antennae yellow with a slight tinge of brown, basal joint much mottled with black, apices of second and third joints and fourth joint black with red; pronotum yellow with a slight tinge of brown, thickly brownly punctate, the disk of the anterior area and the lateral margins much more sparsely punctate; scutellum yellow with a slight tinge of brown, thickly brownly punctate, the extreme apex pale yellow with a slight tinge of brown, corium brownish, thickly punctate, the lateral margins yellow with a slight tinge of brown, sparsely blackly punctate, the apical angle and a spot before a blackish, some obscure basal suffusions and two small spots about middle of apical area, pale yellow with a slight tinge of brown; membrane brownish yellow with a slight tinge of brown, with darker mottling, the basal area black transverse by the paler veins, a small pale yellow with a slight tinge of brown spot behind apical angle of corium; head beneath, rostrum, sternum and legs yellow with a slight tinge of brown, apices of tibiae black with red, all darkly punctate, central areas of meso and metasterna black; abdomen beneath somewhat hard covering; basal joint of antennae moderately thickened, with prominent spines hairs, fourth joint a little longer than third or second; rostrum slightly passing anterior coxae; intermediate and posterior tibiae prominently spinulose. *Length:* 7.5 mm.

Distribution: India: Chhattisgarh (Durg, Raipur), Himachal Pradesh.

Genus 4. *Dieuches* Dohrn 1860

1860. *Dieuches* Dohrn, *Slett. Ent. Zeit.*, **21**: 159.

Key to the species of genus *Dieuches*

1. Lateral margin of pronotum sinuate not ampliate..... **2**
- Lateral margin of pronotum strongly ampliate but not reflexed *insignis*
- 2 Lateral margin of the pronotum uniformly narrowed anteriorly; posterior pronotal margin more than two and a half times of collar
..... *femoralis*

- Lateral pronotal margins run almost parallel and sharply bend to give a rounded anterior edge; pronotal base two and a half (or little less)times wider than collar **3**

3 Pronotal base sub equal to the length of pronotum; corium pale at apex and having a castaneous fascia at subapical region

..... *leucoceras*

- Pronotal base always broader than length, corium uniformly brownish ochraceous without any castaneous fascia *coloratus*

9. *Dieuches femoralis* Dohrn, 1860

1860. *Dieuches femoralis* Dohrn, *Slett. Ent. Zeit.*, **21**: 405.

1988. *Dieuches femoralis* Mukhopadhyay, *Rec. zool. Surv. India, Occ. Paper No.*, **107**: 55-56.

2010. *Dieuches femoralis*: Saha and Bal, *Fauna of Uttarakhand, State Fauna Series* **18**, Part-2: 220.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-N 20°14'19.7", Long-E81°59'49.8", Alt-440m, 28.iii.2014, S.K. Gupta & R.P. Gupta Party Coll; 3exs, Badbhum F.R.H, Dist-Durg, Lat-20°34'22.8", Long-81°19'4.4", Alt-419m, 11.ii.2014, S.K. Gupta & R.P. Gupta party coll.

Diagnostic characters: Head narrower; the basal joint, apices of second and third joints and fourth joint of antennae black with red; pronotum not so long as broad, narrowed anteriorly, apices of lateral margins rounded; posterior lobe with a small central linear pale yellow with a slight tinge of brown spot; apical margin of corium subtriangular. *Length:* 9-10 mm.

Distribution: India: Chhattisgarh (Durg), Assam, Kashmir, Nagaland, Uttarakhand, West Bengal, Sikkim. *Elsewhere:* Bhama, China, Japan, Myanmar, Malewun, Palon, Sri Lanka, Thailand.

10. *Dieuches leucoceras* Walker, 1872

1872. *Dieuches leucoceras* Walker, *Cat. Hem. Het. B.M.*, **5**: 98-99.

1988. *Dieuches leucoceras*: Mukhopadhyay, *Rec. zool. Surv. India, Occ. Paper No.*, **107**: 56.

2010. *Dieuches leucoceras*: Saha and Bal, *Fauna of Uttarakhand, State Fauna Series*, **18**(Part-2): 221.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-N 20°14'19.7", Long-E81°59'49.8", Alt-440m, 28.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Head black; pronotum as long as broad, black with red or dark brown with red two small linear brownish yellow spot on anterior margin, lateral margins somewhat strongly laminate; scutellum black, with two small medial spots and the apex yellow with a slight tinge of brown in some specimens the two medial spots are obsolete; corium pale yellow with a slight tinge of brown, brownly punctuate, lateral margin impunctate, a broad irregular transverse fascia near inner angle, apical angle and apical margin black; apices of the three basal joints of antennae, the fourth joint, basel and apical joints of rostrum, intermediate and posterior femora black or brown with red. *Length:* 8 to 10 mm.

Distribution: India: Chhattishgarh (Durg); Assam, Kashmir, Maharashtra, Uttarakhand, West Bengal. *Elsewhere:* Australia, Iran, Sri Lanka.

11. *Dieuchus insignis* (Distant, 1904)

1904. *Critobulus insignis* Distant, *Fauna Brit. India, Rhynchota*, 2: 77.

1964. *Dieuchus insignis* Slater, *Cat. Lygaeidae of the World*, 2: 1212.

Material examined: 2exs, Dist-Koriya, Mayhgaon, 21.x.2011, Mandal & Party Coll.

Diagnostic characters: Body beneath brown with red; head, pronotum and scutellum black with red; apex of head and a spot in front of each eye and margins of pronotum (posterior margin broadest) brownish yellow, the last marked with three black with red spots; corium brownish yellow, the apex and some subbasal lines brownish yellow with a slight tinge of brown; abdomen above black with red, connexivum alternately brown and brownish yellow; legs, rostrum and antennae brownish yellow, femora more or less tinged with brown with red, apices of tarsi black with red. *Length:* 4 mm.

Distribution: India: Chhattishgarh (Koriya), Assam. *Elsewhere:* Malaya.

12. *Dieuchus coloratus* (Distant, 1909)

1909. *Abanus coloratus* Distant, *Ann. Mag. nat. Hist.*, (8) 3: 493.

1910. *Abanus coloratus*: Distant, *Fauna Brit. India, Rhynchota*, 5: 82.

1962. *Dieuchus coloratus*: Scudder, *Can. Ent.*, 94: 766.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-81°59'49.5", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body beneath dull black; head, pronotum and scutellum dull black; extreme lateral margins of pronotum more black with red than black; apex of scutellum yellow with a slight tinge of brown; rostrum black with red brown, its basal joint and apex black; corium brown with red, an inner line before clavus, lateral margin for about two – thirds its length, and a transverse fascia before apical area pale yellow with a slight tinge of brown, apical area black; clavus pale black with red black; membrane black with red black and not quite reaching abdominal apex; antennae brownish yellow with a slight tinge of brown; coxae and kegs more or less black with red. *Length:* 9 mm.

Distribution: India: Chhattishgarh (Durg) and Bihar.

Genus 5. *Cligenes* Distant, 1893

1893. *Cligenes* Distant, *Biol. Centr. -Amer. Rhynchota*, 1: 405.

13. *Cligenes signandus* (Distant, 1903)

1903. *Salacia signanda* Distant, *Ann. Soc. Ent. Belg.*, 47: 46.

1904. *Cligenes signandus* Distant, *Fauna Brit. India, Rhynchota*, 2: 72.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-81°59'49.8", Alt-440m, 30.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body pale yellow; head black with red, greyishly pilose; Anterior lobe of pronotum and scutellum (excluding apex) brown with red; a spot at lateral angles of pronotum, a spot at centre of lateral margin to corium and the apical angle of same black; membrane pale dark brown, the margins pale yellow; body beneath brown with red, legs pale clay colour; antennae brownish yellow with a slight tinge of brown, apices of the joints clay colour; posterior pronotal lobe and the corium sparingly but coarsely punctuate; apical margin of corium straight. *Length:* 2.5 mm.

Distribution: India: Chhattishgarh (Durg). *Elsewhere:* Sri Lanka, Indonesia.

Genus 6. *Lachnesthus* Scudder, 19041962. *Lachnesthus* Scudder, *Can. Ent.*, **94**: 768.14. *Lachnesthus singalensis* (Dohrn, 1860)1860. *Rhyparochromus singalensis* Dohrn, *Stett. Ent. Zeit.*, **21**: 404.1904. *Lachnophorus singalensis*: Distant, *Fauna Brit. India, Rhynchota*, **2**: 69.1962. *Lachnesthus singalensis*: Scudder, *Can. Ent.*, **94**: 768.

Material examined: 1ex, Dist-Durg, Budbhum F.R.H., Lat-20°14'19.7", Long-21°59'49.8", Alt-440m, 31.iii.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Dist-Durg, Badbhum F.R.H., Lat-20°14'19.7", Long-21°59'49.8", Alt-440m, 31.iii.2014, S.K. Gupta & R.P. Gupta Coll; 2exs, Dist-Kawardhe (WLS), Chapri (Dhar Dhuri), Lat-22°25'49.9", Long-81°07'46.5", Alt-4m?, 30.iii.2014, E.E. Tehamalar & Party Coll; 1ex, Dist-Kawadha, Chilpi F.R.H., Lat-22°10'19.6", Long-81°3'10.5", Alt-823m, 31.iii.2014, E.E. Tehamalar & Party Coll. 1ex, Dist-Korba, Lemru (Deopaheri), Lat-22°38'42.0", Long-82°48'36.2", Alt-383m, 28.iii.2014, E.E. Tehamalar & Party Coll; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'3.12", Alt-321m, 19.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Madpur Forest, Lat-21°24'7.12", Long-82°24'82.3", Alt-282m, 31.i.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°4'3.12", 12.xi.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Koriya, Hunkara, Lat-N 23°44'40.9", Long-E 82°25'20.5", Alt-646m, 20.xi.2013, A. Parida Coll; 1ex, Dist-Koriya, Sonahut F.R.H., Lat-N 23°28'32.7", Long-E 82°31'35.9", Alt-690m, 20.x.2013, A. Paridha Coll; 1ex, Dist-Koriya, Sonhat rest house, Lat-23°21'32.7", Long-82°31'35.4", Alt-740m, 21.v.2012, Sunil Kr Gupta & party coll. 1ex, Dist-Sarguja, Ramkola (Tipkopari Tower); Tomorjingga WLS, Lat-23°43'53.5", Long-82°57'3.2", 5.V.2013, Raha & Party Coll.

Diagnostic characters: Body beneath black with red; head, antennae, pronotum, scutellum, rostrum, legs black with red; lateral margins of pronotum, coxae, posterior margin of metasternum, extreme bases of tibiae and the tarsi yellow with

a slight tinge of brown; corium yellow with a slight tinge of brown with lineate brown punctures, apical half black with red, containing a transverse greyish-white fascia; membrane black with red, its apical half irrorated with pale brownish, antennae moderately robust, second, third and fourth joints almost subequal in length; scutellum long, finely punctuate, with a central carinate line, obsolete on basal half; lateral margins of head and pronotum distinctly longly pilose. *Length*: 5 to 8 mm.

Distribution: India: Chhattisgarh (Durg, Kawardha, Korba, Koriya, Raipur, Surguja), Assam, Maharashtra. *Elsewhere*: Kenya, Madagascar, Natal, Nyasaland, South Africa, Seychelles, Sri Lanka, Sudan.

Tribe MYODOCINI

Key to the genera of Tribe MYODOCINI

- 1 Pronotalcollar not distinct.....
.....*Pseudopachybrachius*
- Pronotal collar distinct 2
- 2 Rostrum not reaching the intermediate coxae.....*Horridipamera*
- Rostrum reaching the intermediate coxae... 3
- 3 Head not contracted behind eyes.....
.....*Orieotrechus*
- Head contracted behind eyes..... 4
- 4 Basal margin of pronotum subequal to pronotal length.....*Paraucosmetus*
- Basal margin of pronotum concavely truncated 5
- 5 Rostrum reaching anterior coxae....*Paromius*
- Rostrum reaching the intermediate coxae....
.....*Usilanus*

Genus 7. *Pseudopachybrachius* Malipatil, 19781978. *Pseudopachybrachius* Malipatil, *Aust. J. Zool., Supplementary Series no.*, **56** p. 36.15. *Pseudopachybrachius guttus*

Malipatil, 1978

1978. *Pseudopachybrachius guttus* Malipatil, *Aust. J. Zool., Supplementary Series no.*, **56** p. 63.1988. *Pseudopachybrachius guttus*: Mukhopadhyay, *Rec. zool. Surv. India, Occ. Paper No.*, **107**: 62.

Material examined: 1ex, Koriya, Valwar, 29.x.2011, Mandal & party Coll; 2exs, Dist-Koriya, Mayhgaon, 21.x.2011, Mandal & Party Coll; 1ex, Dist-Koriya, Baranga, 10.xi.2011, Mandal & Party Coll; 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 29.iii.2014, S.K. Gupta & R.P. Gupta Party Coll; 3exs, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long- 81°59'49.7", Alt-440m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Dist-Sarguja, Rosoki, 29.x.2011, Mandal & Party Coll.

Diagnostic characters: Body beneath black; head, pronotum and scutellum beneath black; basal marginal area of posterior pronotal lobe usually more or less brown with red; antennae, corium and legs brownish yellow; apical joint of antennae, apical margin of corium, anterior femora and subapical annulations to intermediate and posterior femora dark brown, brown with red or black; membrane greyish, veins at base generally somewhat brown with red; corium brownly punctuate, lateral margins impunctate, a [pale impunctate spot near apex of clavul suture; rostrum dark brown with red. *Length:* 3 to 4 mm.

Distribution: India: Chhattishgarh (Koriya, Sarguja, Durg) and West Bengal.

Genus 8. *Horridipamera* Malipatil, 1978

1978. *Horridipamera* Malipatil, *Aust. J. Zool., Supple. Series no., 56* p. 89.

16. *Horridipamera nietneri* (Dohrn, 1860)

1860. *Piociomerus nietneri* Dohrn, *Ent. Zeit., 21*: 404-405.

1978. *Horridipamera nietneri* Malipatil, *Aust. J. Zool., Supple. Series no., 56* p. 90.

1988. *Horridipamera nietneri*: Mukhopadhyay, *Rec. Zool. Surv. India. Occ. Paper No., 107*: 61.

Material examined: 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-0.82°24'3.12", Alt-321m, 17.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Badbhum F.R.H, Dist-Raipur, Lat-20°34'36.4", Long-81°19'55.2", Alt-430m, 01.iv.2014, S.K. Gupta & R.p. Gupta Party Coll; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-082°24'3.22", Alt-321m, 17.iv.2012, Sunil Kr Gupta & party

coll.; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-082°24'3.12", Alt-321m, 11.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'000", Long-82°24'312", Alt-?, 30.i.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Badgoan, Lat-21°18'14.4", Long-0.82°26'45.6", Alt-293m, 28.iii.2012, Sunil & Party Coll; 1ex, Dist-Raipur, Barnawapara Camp, lat-21°24'0.00", long-0.82°24'3.12", Alt-321m, 21.iii.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'31.2", Long-0.82°24'0.00", Alt-321m, 23.iii.2012, Sunil & Party Coll; 2exs, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-0.82°24'3.12", Alt-321m, 14.vi.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'3.12", 16.i.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'3.12", Alt-321 m, 25.iii.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-0.82°24'3.12", Alt-321m, 26.iii.2012, Sunil Kr Gupta & party coll. 21°24'312", 6.ii.202, Sunil Kr Gupta & party coll. 1ex, Dist-Raipur, Lata Dadar, Lat-21°25'28.9", Long-0.82°25'40.1", Alt-306m, 03.ix.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Dullibuttal Parrics, Lat-21°24'53.3", Long-0.82°27'524", Alt-359m 24.ii.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Mohda, Lat-21°20'39.2", Long-0.82°22'51.8", Alt-334m, 18.viii.2012, Sunil Kr Gupta Coll; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'312", 25.i.2012, Sunil Kr Gupta & party coll.; A 2exs, Dist-Koriya, Hunkara, Lat-N 23°44'40.9", Long-E 0.82°25'20.5", Alt-646m, 20.xi.2013, A. Parida Coll; 3exs, Bhanpuri F.R.H., Dist-Jagdalpur, Lat-19°19'35.1", Long-81°50'08.8", Alt-594m, 20.x.2011, R.P. Gupta & Renu Coll; 3ex, Tandula Dant South, Dist-Durg, Lat-20°42'7.7", Long-81°10'49.3", Alt-295m, 26.xi.2014, S.K. Gupta & Party Coll; 4exs, Badbhum F.R.H., Dist-Durg, Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 5.ii.2014, S.K.

Gupta & R.P. Gupta Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 8.ii.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°3'22.5", Long-81°10'4.4", Alt-419m, 14.iv.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Gordli Weot, Dist-Durg, Lat-20°45'20.8", Long-81°07'30.2", Alt-343m, 28.i.2014, Gupta & Party Coll; 1ex, Sonkara F.R.H, Dist-Dhanetan, Lat-20°17'15.4", Long-81°59'45.1", Alt-478m, 26.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-81°59'49.5", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Baddhum F.R.H, Dist-Durg, Lat-20°14'19.7", Long-81°59'49.8", Alt-440m, 30.iii.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Dist-Durg, Baddhum F.R.H., Lat-20°14'19.7", Long-21°59'49.8", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Coll; 1ex, Dist-Korba, Kudmura (Kolmitigra), Lat-22°25'13.9", Long-83°26'27.6", Alt-300m, 27.iii.2014, E.E. Tehamela & Party Coll; 1ex, Dist-Koriya, Ghummadud, Lat-23°28'32.9", long-0.82°31'01.7". Alt-736m, 22.iii.2012, Sunil & Party Coll; 2exs, Dist-Koriya, Hunkara, Lat-N 23°44'40.9", Long-E 0.82°25'20.5", Alt-646m, 20.xi.2013, A. Parida Coll; 3exs, Bhanpuri F.R.H., Dist-Jagdalpur, Lat-19°19'35.1", Long-81°50'08.8", Alt-594m, 20.x.2011, R.P. Gupta & Renu Coll; 1ex, Baroni Dom, Dist-Dhamtari, Lat-20°13'00.6", Long-21°53'18.4", Alt-503m, 23.x.2012, Sunil Kr Gupta & party coll.

Diagnostic characters: Body beneath; Head, anterior lobe of pronotum, and scutellum black, posterior pronotal lobe and corium very dark brown with red; lateral margin of corium brownish yellow, impunctate, two small spots a little before apical angle greyish-white; membrane dark fuliginous; legs black; apex of scutellum, apices of anterior femora, anterior tibiae, basal halves of intermediate and posterior femora, intermediate and posterior tibiae and bases of tarsi brownish yellow; antennae black with red, second joint

brown with red, rostrum black with red, second joint clay colour. *Length:* 6.5 to 7 mm.

Distribution: India: Chhattishgarh (Durg, Dhanitan, Dhamtari, Jagdalpur, Koriya, Korba, Raipur), Bihar, West Bengal. *Elsewhere:* Bhamo, Myanmar, palon, Rangoon, Sri Lanka.

Genus 9. *Orietotrechus* Scudder, 1962

1962. *Orietotrechus* Scudder, *Can. Ent.*, **94**: 982.

17. *Orietotrechus aeruginosus* (Distant, 1904)

1904. *Peritrichus aeruginosus* Distant, *Fauna Brit. India, Rhynchota*, **2**: 76.

1962. *Orietotrechus aeruginosus* Scudder, *Can. Ent.*, **94**: 982.

Material examined: 1ex, Budbhum F.R.H, Dist- Durg, Lat-20°14'19.7", Long-21°59'49.8", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Party Coll; 2exs, Budbhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-21°59'49.8", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Balod, Dist-Durg, Lat-20°43'47", Long-81°12'16", Alt-324m, 2.xi.2012, Sunil Kr. Gupta & Party Coll; 1ex, Baddhum F.R.H., Dist-Durg, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Baddhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 29.iii.2014, S.K. Gupta & R.P. Gupta Party Coll; 2exs, Baddhum F.R.H., Dist- Durg, Lat-20°24'22.5", Long-81°19'4.4", Alt-419m, 8.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Balod F.R.H., Dist-Durg, Lat-20°43'24.5", Long-81°11'44.4", Alt-345m, 30.i.2014, S.K. Gupta & R.P. Gupta Party coll; 1ex, Dullibahal Pond, Dist-Raipur, Lat-21°25'82.1", Long-82°28'16", Alt-332m, 6.viii.2012, Sunil Kr Gupta & party coll.

Diagnostic characters: Body beneath black with red; Head, anterior lobe of pronotum and scutellum black; scutellum with two discal spots and the apex yellow with a slight tinge of brown; posterior lobe of pronotum and the corium dull brownish – yellow with a slight tinge of brown, corium with some distinct paler spots, principally on apical area; membrane rusty-brown; legs brown with red, the apices and underside of femora and the tibiae and tarsi yellow with a slight tinge of

brown; apices of posterior tibiae distinctly black with red; antennae and rostrum black with red; second and fourth joints of antennae longest and subequal in length, third a little longer than first; lateral margins of the scutellum near base a little gibbous. *Length*: 5 m.m.

Distribution: India: Chhattishgarh (Durg and Raipur), *Elsewhere*: Myanmar, Nepal.

Genus 10. *Paraecosmetus* Malipatil, 1978

1978. *Paraecosmetus* Malipatil, *Aust. J. Zool. Supple. Series no.*, **56**: 67.

18. *Paraecosmetus pallicornis* (Dallas, 1852)

1852. *Rhyarochromus pallicornis* Dallas, *List. Hem. B.M.*, **2**: 573.

1988. *Paraecosmetus pallicornis*: Mukhopadhyay, *Rec. Zool. Surv. India. Occ. Paper No.*, **107**: 64-65.

Material examined: 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-82°, 24'312", Alt-321m, 03.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnawapara Camp; Lat-21°24'0.00", 82°24'3.12", Alt-?, 24.iii.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Koriya, Cheennawra, Lat-N23°38'20.8", Long-E 0.82°32'46.3", Alt-?, 7.vi.2013, A. Parida & Party Coll.

Diagnostic characters: Body beneath black with red; head and anterior lobe of pronotum black; posterior pronotal lobe brown with red with four small brownish yellow spots; scutellum black; corium pale brownish yellow, brownly punctuate; lateral margin impunctate, a very small subbasal spot crossing disk from inner angle and an apical angular spot dark brown with red; membrane fuliginous, with basal area and small apical marginal spots dark brown with red; posterior angles of metasternum, legs, and antennae brownish yellow; extreme apex of third joint of antennae, extreme base and apical half of fourth joint, anterior femora, apical halves of intermediate and posterior femora and apices of the tarsi dark brown or black with red; rostrum black with red. *Length*: 6 mm.

Distribution: India: Chhattishgarh (Raipur).

Genus 11. *Paromius* Fieber 1860

1860. *Paromius* Fieber, *Eur. Hem.*, pp. **45**: 170-171.

19. *Paromius exiguus* (Distant, 1904)

1883. *Pamera exiguus* Distant, *Trans. Ent. Soc. Lond.*: 434.

1904. *Paromius exiguus* Distant, *Fauna Brit. India Rhynchota*, **2**: 51.

1988. *Paromius exiguus*: Mukhopadhyay, *Rec. Zool. Surv. India. Occ. Paper No.*, **107**: 63.

Material examined: 1ex, Dist-Koriya, Kalajhira, 10.x.2013, Mandal & Party Coll; 1ex, Butunga, Dist-Jagdalpur; 19.XI.2011, Mandal & Party Coll; 1ex, Chhingura, Dist-Koriya, 30.ix.2011, Mandal Coll; 2exs, Ghunghata, Dist-Koriya, 11.x.2011, Mandal & Party Coll.

Diagnostic characters: The whole of the body beneath uniformly black with red; Head and anterior lobe of pronotum black, the collar of the last brownish; Pronotum anterior lobe of the shorter and less elongate, posterior pronotal lobe yellow with a slight tinge of brown; the apical joint of the antennae distinctly infuscated; scutellum brown with red, with either the basal half black and a central black line, or with a large central basal spot, the basal half of lateral margins and a central line black, apex brownish yellow; corium pale yellow with a slight tinge of brown, the lateral margins pale and impunctate, a black spot near centre of apical margin, attached to which are some linear black punctures more or less enclosing a subtriangular pale spot at claval apex; clavus thickly and longitudinally brown punctured; abdomen brown with red with a few transverse stigmata black with red spots; apex of rostrum black with red; coxae brown with red; all the femora more or less black with red; membrane pale dark brown, with the veins greyish. *Length*: 7 m.m.

Distribution: India: Chhattishgarh (Jagdalpur, Koriya). *Elsewhere*: Japan, Sri Lanka, Tangalla.

Genus 12. *Usilanus* Distant, 1909

1909. *Usilanus* Distant, *Ann. Mag. nat. Hist.*, (8) **3**: 341.

1910. *Usilanus* Distant, *Fauna Brit. India, Rhynchota*, **5**: 82-83.

20. *Usilanus burmanicus* Distant, 1909

1909. *Usilanus burmanicus* Distant, *Ann. Mag. nat. Hist.*, (8) **3**: 341.

1910. *Usilanus burmanicus*: Distant, *Fauna Brit. India, Rhynchota*, **5**: 83.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 29.iii.2014, S.K. Gupta & R.P. Gupta & Party Coll.

Diagnostic characters: Body above black; head beneath and sternum black, head somewhat coarsely punctuate on basal area; pronotum finely and sparsely punctuate on the smooth anterior subconvex lobe, more coarsely so near the anterior margin, posterior lobe thickly coarsely punctuate; scutellum finely punctuate, the apical area with an obscure central, longitudinal, carinate line; lateral margins of the corium narrowly yellow with a slight tinge of brown, corium somewhat evenly and regularly punctuate; abdomen black with red; rostrum pale yellow with a slight tinge of brown, the basal joint black; legs pale yellow with a slight tinge of brown, the anterior femora, apices of intermediate and posterior femora, apices of all the tibiae, and apices of the anterior tarsal joints black; sternum more or less coarsely punctuate, the three ultimate abdominal segments finely irregularly tuberculate. *Length:* 9 mm.

Distribution: India: Chhattisgarh (Durg).
Elsewhere: Karenae, Myanmar.

Tribe OZOPHORINI

Genus 13. *Primierus* Distant 1901

1901. *Primierus* Distant, *Ann. Mag. nat. Hist.*, (7), p. 477.

21. *Primierus bispinus* (Motschulsky, 1901)

1863. *Plociomerus bispinus* Motschulsky, *Bull. Soc. Nat. Mosc.*, **36**: 81-2.

1904. *Primierus bispinus* Distant, *Ann. Mag. nat. Hist.* (7): 478.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-N 20°14'19.7", Long-E81°59'49.8", Alt-440m, 28.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body brownish – yellow with a slight tinge of brown; head and anterior lobe of pronotum brownish, posterior lobe of pronotum paler, very coarsely punctuate, the posterior lateral margin brownish yellow; scutellum with some brown with red markings and with a central brownish yellow fascia on

apical half; clavus and posterior claval margin longitudinally punctuate, posterior lateral area of corium paler, punctuate and preceded by a small brownish yellow lateral spot; membrane somewhat mottled with dark brown with red, a paler spot at apex and on each lateral margin, pronotal lateral spines distinct and directed backwards; apex of rostrum, apical joint of antennae and apex of third joint, extreme apices of the tibiae and apices of the tarsal joints black with red or black; femora scarcely punctate with brown with red. *Length:* 6 to 7 mm.

Distribution: India: Chhattisgarh (Durg).
Elsewhere: Sri Lanka.

Tribe DEYMINI

Genus 14. *Kanigara* Distant 1906

1906. *Kanigara* Distant, *Ann. Soc. Ent. Belg.*, **50**: 414.

22. *Kanigara flavomarginata* Distant 1906

1906. *Kanigara flavomarginata* Distant, *Ann. Soc. Ent. Belg.*, **50**: 415.

1988. *Kanigara flavomarginata* Distant, *Rec. zool. Surv. India.*, **5**: 66.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°34'22.5", Long-81°19'4.4", Alt-419m, 8.ii.2014, S.K. Gupta & R.P. Gupta Coll.

Diagnostic characters: Head and pronotum dark brown with red, the latter with the lateral margins broadly yellow with a slight tinge of brown; scutellum black; corium silvery-grey, its posterior lateral margins pale yellow at apical angle black with red, clavus yellow with a slight tinge of brown; membrane grey, subhyaline, the lateral margins pale hyaline; sternum black; abdomen beneath dark testaceous; legs and rostrum yellow with a slight tinge of brown; antennae yellow with a slight tinge of brown, basal joint hirsute, second joint slightly longer than third; pronotum and scutellum thickly finely obscurely punctuate; corium excluding lateral margins, sparsely rather coarsely punctuate, clavus thickly longitudinally punctuate; tibiae longly, femora sparsely hirsute. *Length:* 3.5–4 mm.

Distribution: India: Chhattisgarh (Durg).
Elsewhere: Sri Lanka.

Tribe LETHAEINI

Key to the genera of the Tribe LETHAEINI

1. Head about as long as broad, central lobe a little prominent at apex.....*Neolethaeus*
 - Head about as long as broad, subtriangular, obliquely narrowed anteriorly, the central lobe prominent.....*Adauctus*

Genus 15. *Neolethaeus* Distant 1909

1909. *Neolethaeus* Distant, *Ann. Mag. nat. Hist.*, (8)3: 340.

23. *Neolethaeus typicus* Distant, 1909

1909. *Neolethaeus typicus* Distant, *Ann. Mag. nat. Hist.*, (8)3: 340.

1910. *Neolethaeus typicus* Distant, *Fauna Brit. India, Rhynchota*, 5: 80.

Material examined: 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-81°59'49.5", Alt-440m, 31.iii.2013, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'3.12", Alt-?, 25.iv.2012, Sunil Kr Gupta & party coll.

Diagnostic characters: Body black; antennae, rostrum, (excluding basal joint), tibiae and tarsi more or less yellow with a slight tinge of brown; basal joints of antennae and rostrum, femora and apices of tibiae and tarsal joints brown with red brown; Head (excluding central lobe) punctuate; pronotum before the faint transverse impression finely, behind it coarsely punctuate; scutellum foveately impressed and somewhat sparingly punctuate, the lateral marginal areas more thickly and coarsely punctuate; corium thickly and finely punctuate, the veins prominent, clavus with two longitudinal series of punctures; membrane brownish yellow with a slight tinge of brown. *Length:* 9.5 mm.

Distribution: India: Chhattishgarh (Durg, Raipur). *Elsewhere:* Myanmar, Palon.

Genus 16. *Adauctus* Distant, 1909

1909. *Adauctus* Distant, *Ann. Mag. nat. Hist.*, (8)3: 492.

24. *Adauctus cupres* Distant, 1909

1909. *Adauctus cupreus* Distant, *Ann. Mag. nat. Hist.*, (8)3: 492.

1910. *Adauctus cupreus* Distant, *Fauna Brit. India, Rhynchota*, 5: 65-66.

Material examined: 3exs, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long- 81° 59'49.7", Alt-440m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Head, pronotum and scutellum pale coppery; lateral margins of the pronotum (not extending to the lateral angles) pale yellow with a slight tinge of brown; corium yellow; two small spots in clavus, three on outer margin of claval suture, one. *Length:* 4.5 m.m.

Distribution: India: Chhattishgarh (Dist-Durg).

Tribe ANTILLOCORINI

Genus 17. *Lamproceps* Reuter 1882

1882. *Lamproceps* Reuter, *Ofv. Finsk. Vet. Soc. Forh.*, 25: 27.

25. *Lamproceps indica* (Dall, 1852)

1852. *Aphanus indicus* Dall, *List. Hem.* 2: 559.

1962. *Lamproceps indicas* Scudder, *Can. Ent.*, 94: 768.

Material examined: 4exs, Badbhum F.R.H., Durg, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Head, thorax and scutellum pitchy-black; corium brownish hard covering, punctured, pubescent, with a triangular brown spot at the inner apical angle; legs pale yellow; rostrum pale yellow; antennae hard covering with the last joint yellow. *Length:* 4 mm.

Distribution: India: Chhattishgarh (Durg), North India. *Elsewhere:* Sri Lanka.

Tribe STYGNOCORINI

Genus 18. *Arrianus* Distant, 1904

1904. *Arrianus* Distant, *Fauna Brit. India, Rhynchota*, 2: 74.

26. *Arrianus excavates* Distant, 1904

1904. *Arrianus excavatus* Distant, *Fauna Brit. India, Rhynchota*, 2: 74.

1931. *Arrianus excavates* Krikaldy., *Ann. Mag. nat. Hist.*, 10: 7.

Material examined: 1ex, Koriya, Hunkara, Lat-N 23°44'40.9", Long-E 0.82°25'20.5", Alt-646m, 20.xi.2013, A. Parida Coll.

Diagnostic characters: Body brown with red; Lateral angles and posterior margin of pronotum, corium, membrane, tibiae and tarsi yellow with

a slight tinge of brown; antennae pilose, second joint longest; posterior pronotal lobe and base of scutellum somewhat coarsely punctate; disk of corium finely punctate; membrane slightly passing abdominal apex. *Length*: 2.5 mm.

Distribution: India: Chhattisgarh (Koriya), Sikkim, West Bengal.

Subfamily II. ORSILLINAE

Genus 19. *Nysius* Dallas 1852

1852. *Nysius* Dallas, *List. Hem. B. M.* 2: 551–552.

Key to species of the genus *Nysius*

- 1 All antennal segments black with 2nd segment distinctly longer than 3rd segment.....
.....*ceylonicus*
- 2nd joint slightly longer than the 3rd, 3rd and 4th subequal in length..... 2
- 2 Legs ochraceous, large coarse punctures to femora and the apices to the tarsi piceous...
.....*nconspicuus*
- Legs pale ochraceous, femora spotted with castaneous, apices of tarsi black.....
.....*lacustrinus*

27. *Nysius ceylanicus* (Motschulsky, 1863)

1863. *Heterogaster ceylanicus* Motschulsky, *Bull. Soc. Nat. Moscou.*, 36: 78.

1904. *Nysius ceylanicus*, Distant, *Fauna Brit. India, Rhynchota*, 2: 18.

1988. *Nysius ceylanicus*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, 107: 20.

1994. *Nysius ceylanicus*: Chakraborty *et al.*, *State Fauna Series 3: Fauna of West Bengal*, Part-5: 424.

Material examined: 1exs, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81° 59'49.7", Alt-440m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Head, antennae, anterior area of scutellum black with red; posterior area of pronotum yellow with a slight tinge of brown, coarsely brownly punctate; corium very yellow with a slight tinge of brown, subhyaline, the veins a little spotted, and the apical margin with three distinct, oblong, bases and apices of tibiae and apices of tarsi dark brown. *Length*: 3-4 mm.

Distribution: India: Chhattisgarh (Durg);

Jharkhand, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: China, Java, Nepal, Sri Lanka, Sumatra.

28. *Nysius inconspicuus* Distant, 1904

1902. *Nysius inconspicuus* Distant, *Fauna Brit. India, Rhynchota*, 2: 18-19.

1956. *Nysius inconspicuus* Miller, *Biol. Het.*, : 58–60.

Material examined: 1exs, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Head, pronotum and scutellum pale reddish yellow with a slight tinge of brown. coarsely punctate, head somewhat infascate; pronotum with a transverse fascia near anterior margin and the lateral angles black with red; corium pale creamy white; opaque some spots on veins and apical margins pale a plain mixture of black and red; legs yellow with a slight tinge of brown, large coarse punctures to femora and the apices to the tarsi black with red; antennae very pale brown with red. The apical joint a little infuscate; scutellum with a central carination which commences about one third from base. Where it is thickest some what tuberculous and generally black. *Length*: 3mm.

Distribution: India: Chhattisgarh (Durg); Himachal Pradesh, West Bengal. *Elsewhere*: Myanmar, Malaya.

29. *Nysius laucustrinus* Distant, 1909

1909. *Nysius laucustrinus* Distant, *Ann. Mag. nat. Hist.*, 3: 321.

1910. *Nysius laucustrinus* Distant, *Fauna Brit. India, Rhynchota*, 5: 13.

2010. *Nysius laucustrinus*: Saha *et al.*, *Fauna of Uttarakhand, State Fauna Series*, 18(Part-2): 222.

Material examined: 1exs, Badbhum F.R.H., Dist-Durg, Lat-20°19'14.7", Long-81°59'49.7", Alt-440m, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Head yellow with a slight tinge of brown, the margins of the central lobe black and a black cicatrisant punctate fascia on each side before eyes extending from above antennae to base; scutellum black with a red brown, a pale central line on apex; Body

beneath and legs yellow with a slight tinge of brown, legs pale yellow with a slight tinge of brown, femora spotted with brown with red, apices of tarsi black; rostrum black, slightly passing the posterior coxae; membrane hyaline, considerably passing the abdominal apex; sternum coarsely punctuate. *Length*: 4 mm.

Distribution: India: Chhattisgarh (Durg); Uttarakhand, West Bengal. *Elsewhere*: Sumatra.

Subfamily III. LYGAEINAE

Key to the genera of the subfamily

LYGAEINAE

1. Metathoracic scent gland inconspicuous; femora of legs in male usually spinose; brightly coloured insects usually with a combination of red and black.....*Spilostethus*
- Metathoracic scent gland opening otherwise; femora in male mutic; colouration dull..... 2
2. Hemelytra not narrower than the abdomen..
.....*Graptostethus*
- Hemelytra narrower than the abdomen.....
.....*Melanotelus*

Genus 20. *Spilostethus* Stal, 1868

1868. *Spilostethus* Stal, *Kongk. Svensk. Vet. Akad. Handl.* 7: 72.

Key to the species of genera *Spilostethus*

1. Membrenal suture with central white spot and two crescent white markings; labium reaches or passes Second coxae...*pandurus militaris*
- Membrenal suture without such white spot; labium passes third coxae.....*hospes*

30. *Spilostethus pandurus militaris*

(Fabricius, 1775)

1775. *Cimex militaris* Fabricius, *Syst. Ent.*: 717.

1988. *Spilostethus pandurus militaris* (Fabricius), *Rec. zool. Surv. India. Occ. Paper No.*, 107: 15.

2010. *Spilostethus pandurus militaris*: Saha *et al.*, *Fauna of Uttarakhand, State Fauna Series*, 18(2): 223.

Material examined: 1ex, Dist-Surguja, Pinglawala (Ramkola), lat-23°38'46.8", Long-82°59'42.6", Alt-565m, 14.v.2013, Raha & Party Coll; 1ex, Malgaon, Dist-Jagdalpur, Lat-19°07'57.4", Long-

84°04'34.9", Alt-551m, 9.iii.2012, R.P. Gupta & Party Coll; 1ex, Dist-Baster-jagdalpur, Karpavand village, Lat-N 19° 21'58.8", Long-E 82°05'30.5", Alt- 612m, 03.viii.2013, R.P. Gupta & Avinash Coll; 3exs, Kangoli, Dist-Jagdalpur, Lat-19°05'32.6", Long-81°58'39.2", Alt-510m, 19.vi.2012, R.P. Gupta & Party Coll; 1ex, Upanpal, Dist-Jagdalpur, Lat-19°07'22.7", Long-82° 10'05.0", Alt-549m, 9.v.2012, R.P. Gupta & Party Coll; 1ex, Kurandi, Dist-Jagdalpur, Lat-19°01'49.5", Long-82°06'13.1", Alt-578m, 3.iii.2012, R.P. Gupta & Party Coll.; 1ex, Ulhar Village, Dist-Jagdalpur, Lat-19°10'20.3", Long-82°07'28.0", Alt-568m, 16.iii.2012, R.P. Gupta & Party Coll; 1ex, Badbhum F.R.H., Dist-Durg, lat-20°14'19.7", Long-81°59'49.8", Alt-440m, 31.iii.2014, S.K. Gupta & R.P. Gupta Party Coll; 2exs, Dist-Kabirdhum, Chapri (Match Tower), Lat-22° 07'45.0", Long-81°09'12.3", Alt-560m, 30.iii.2014, E.E. Tehamalar & Party Coll; 2exs, Lemru, (Deopaheri), Dist- Korba, (Deopaheri), Lat-22°38'42.0". Long-82°48'36.2", Alt-383m, 28.iii.2014. E.E. Tehamalar & Party Coll; 1ex, Dist-Koriya, Sonahut F.R.H, Lat-N 23°28'32.7", Long-E 82°31'35.9", Alt-690m. 20.x.2013, A. Paridha Coll; 1ex, Dhab, Dist-Koriya, 3.xi.2011, Mandal & Party Coll.

Diagnostic characters: Body blood red; apex of head and a spot at inner margins of eyes, antennae, rostrum, pronotum (With the central anterior margin connected with two long arcuated fasciae reaching posterior margin near lateral angles), scutellum, a small spot near apex of clavus, a transverse fascia to corium, prosternum, margins of meso and metasterna, abdominal segmental margins and stigmata spots and the legs black; membrane pale brownish yellow with a slight tinge of brown, some of the basal veins black, and usually with a white spot at base, and two, sometimes coalescing, about middle. femora

distinctly spined beneath; rostrum reaching the intermediate coxae. *Length*: 13 to 16 mm.

Distribution: India: Chhattisgarh (Baster, Durg, Kabirdhum, Korba, Koriya, Surguja), Karnataka, Maharashtra, Punjab, Uttar Pradesh, Uttarakhand, Rajasthan, West Bengal. *Elsewhere*: Australia, Myanmar and South Africa.

31. *Spilostethus hospes* (Fabricius, 1794)

1794. *Lygaeus hospes* Fabricius, *Ent. Syst.*, 4: 150.

1914. *Spilostethus hospes*: Bergroth, *Ent. Mitteil.*, 2: 356.

1988. *Spilostethus hospes*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, 107: 15–16.

2010. *Spilostethus hospes*: Saha *et al.*, *Fauna of Uttarakhand, State Fauna Series*, 18(2): 223.

Material examined: 1ex, Dist-Raipur, Barvillage, Lat-21°24'00.2", Long-0.82°31.3", Alt-301m, 16.i.2012, Sunil Kr Gupta & party coll.; 9ex, Dist-Surguja, Pinglawala (Ramkola), lat-23°38'46.8", Long-82°, 59'42.6", Alt-565m, 14.v.2013, Raha & Party Coll; 1ex, Dist-Jagdalpur, marenga, Lat-19°00'32.1", Long-81°53'25.3", Alt-484m, 13.xii.2012, Renu Coll; 1ex, Dist-Jagdalpur, Tiwasguda Village, Lat-19°10'03.0", Long-82°02'48.5", Alt-579m.23.i.2012, R.P. Gupta Coll; 1ex, Dist-Jagdal, Malgaon, Lat-19°07'12.1", Long-82°04'37.5", Alt-?, 10.vi.2012, R.C. Gupta & Party Coll; 3exs, Dist-Jagdalpur, Suleneta beal, lat-19°19'34.5", long-81°50'08.8", alt-600m, 21.x.2011, R.P. Gupta & S.K. Gupta Coll; 2exs, Dist-Dist-Jagdalpur, Halguda, Lat-19°05'45.6", Long-82°03'9.3", Alt-561m, 29.iii.2012, R.P. Gupta & party Coll; 1ex, Dist-Sarguja, Udambhat, 27.x.2011, Mandal & Party Coll. 1ex, Dist-Dhamtari, Sitanadi River, Lat-N 20°10'86.6", Long-E 0.81°54'77.1", Alt-490m, 19.x, 2011, Sunil & Party Coll; 1ex, Dist-Jagdalpur, Deargaon Village, Lat-19° 06'59.1", Long-81°54'36.6", Alt-564m, 15.vi.2012, R.P. Gupta & Party Coll; 1ex, Dist-Jagdalpur, Gariyahagr Nala, Lat-19°03'46.9", Long-82°03'2.4", Alt-550m, 24.iii.2012, R.P. Gupta & Party Coll; 1ex, Dist-Jadaldpur, P.G. Colege, Jagdal, Lat-N19°02'48.6", Long-E82°01'52.9", Alt-535m, 05.xii.2011, Renu Coll; 1ex, Dist-Raipur,

PaKrid, Lat-2°22'71.7", long-0.82° 28'0.02", Alt-339.5m, 24.xii.2011, Sunil Kr Gupta & party coll.; 1ex, Dist-Koriya, Rewala, 26.ix.2012, Mandal & Party Coll; 1ex, Dist-Koriya, Cheennawra, Lat-N23°38'20.8", Long-E 0.82°32'46.3", Alt-?, 7.vi.2013, A. Parida & Party 1ex, Belruda Village, Dist-Jagdalpur, Lat-19°13'14.2", Long-81°59'04.1", Alt-582m, 16.i.2012, R.P. Gupta & Party Coll; 1ex, Kabcha, Dist-Jagdalpur, Lat-N19°06'36.8", Long-E82°06'18.9", Alt-559m, 24.iv.2012, R.P. Gupta & Party Coll; 5exs, Aasna Village, Dist-Jagdalpur, Lat-19°06'47.8", Long-82°01'30.1", Alt-463m, 4.ii.2012, R.P. Gupta & Party Coll; 2exs, Bar Village, Dist-Raipur, Lat-21°23'20.8", Long-082°25'31.3", Alt-301m, 11.xii.2011, Sunil Kr Gupta & party coll.; 1ex, Ulhar Village, Dist-Jagdalpur, Lat-19° 10'20.3", Long-82°07'28.0", Alt-568m, 16.iii.2012, R.P. Gupta & Party Coll; 1ex, Lalbandha Pond, Dist-Raipur, Lat-21°23'20.8", Long-82°24'89", Alt-321m, 9.xii.2012, Sunil Kr Gupta & party coll.; 2exs, Rampaal Village, Dist-Jagdalpur, Lat-19°13'39.6", Long-82°00'41.5", Alt-599m, 19.i.2012, R.P. Gupta & Party Coll; 1ex, Tandula Dant South, Dist-Durg, Lat-20°42'7.7", Long-81°10'49.3", Alt-295m, 26.xi.2014, S.K. Gupta & Party Coll; 1ex, Sonhut F.R.H., Dist-Koriya, Lat-N23°28'30.2", Long-E0.82°31'35.0", Alt-690m, 11.xi.2013, A. Parida Coll; 1ex, Belruda Village, Dist-Jagdalpur, Lat-19°13'14.2", Long-81°59'04.1", Alt-582m, 16.i.2012, R.P. Gupta & Party Coll; 1ex, Kabcha, Dist-Jagdalpur, Lat-N19°06'36.8", Long-E82°06'18.9", Alt-559m, 24.iv.2012, R.P. Gupta & Party Coll; 5exs, Aasna Village, Dist-Jagdalpur, Lat-19°06'47.8", Long-82°01'30.1", Alt-463m, 4.ii.2012, R.P. Gupta & Party Coll; 2exs, Bar Village, Dist-Raipur, Lat-21°23'20.8", Long-082°25'31.3", Alt-301m, 11.xii.2011, Sunil Kr Gupta & party coll.; 1ex, Ulhar Village, Dist-Jagdalpur, Lat-19° 10'20.3", Long-82°07'28.0", Alt-568m, 16.iii.2012, R.P. Gupta & Party Coll; 1ex, Lalbandha Pond, Dist-Raipur, Lat-21°23'20.8", Long-82°24'89", Alt-321m, 9.xii.2012, Sunil Kr Gupta & party coll.; 2exs, Rampaal Village, Dist-Jagdalpur, Lat-19°13'39.6", Long-82°00'41.5", Alt-599m,

19.i.2012, R.P. Gupta & Party Coll; 1ex, Tandula Dant South, Dist-Durg, Lat-20°42'7.7", Long-81°10'49.3", Alt-295m, 26.xi.2014, S.K. Gupta & Party Coll.

Dignostic Characters: Body blood red; apex of head and a spot at inner margins of eyes, antennae, rostrum, two broad central discal fasciae to pronotum (narrowed anteriorly and connected with an anterior marginal fascia), scutellum (excluding apex, apex of clavus, and outer claval margin), a large central spot to corium, membrane, disks of sternum and abdomen, and legs black, body finely pilose; rostrum passing the posterior coxae; femora unarmed. *Length:* 10 to 13 mm.

Distribution: India: Chhattishgarh (Durg, Dhamtari, Koriya, Raipur, Surguja, Jagdalpur), Assam, Karnataka, Maharashtra. *Elsewhere:* Australia, Bhamo, China, Hong Kong, Japan, Java, Iran, Australia, Myanmar, Mandalay, New Zeland, Philippines, Sri Lanka, Sumatra.

Genus 21. *Graptostethus* Stal, 1868

1968. *Graptostethus* Stal, *Kngl. Seensk. Vet. Aked. Hand.*, **11**: 73-74.

Key to the species of genus *Graptostethus*

1. A large oblique subclaval spot and a smaller marginal spot to corium..... *servus*
- A small spot beyond middle of clavus, a large central rounded spot to corium 2
2. Two very large rounded spots on basal area of pronotum *maculatus*
- Two much larger spots near posterior margin of pronotum *argentatus*

32. *Graptostethus servus* (Fabricius, 1787)

1787. *Cimex servus* Fabricius, *Mant. Ins.*, **2**: 300.

1988. *Graptostethus servus*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, **107**: 18.

2010. *Graptostethus servus*: Saha *et al.*, *Fauna of Uttarakhnd, State Fauna Series*, **18**(2): 224.

Material examined: 2exs, Lakshamous Thesa, Dist-Koriya, Lat-23°13'0.20", Long-082°23'24.8", Alt-699m, 21.v.2012, Sunil Kr Gupta & party coll.; 1ex, Korrcakalri Area, Dist-Koriya, lat-23°14'16.3" long-0.82°22'46.2", alt-649m, 19.v.2012, Sunil & party Coll; 1ex, Rajpuri, Dist-Koriya, 30.ix.2011, Mandal & Party Coll; 1ex, Dist-Koriya, Baranga, 10.xi.2011, Mandal &

Party Coll;6exs, Dalpat Sagarjdp, Dist-Jagdalpur, Lat-19°15'30.8", Long-81°58'53.9", Alt-614m, 11.vi.2012, R.P. Gupata & Party Coll; 3exs, Bar Forest, Dist-Raipur, Lat-21°24'0.02", Long-0.82°3.12", Alt-301m, 9.vi.2012, Sunil Kr Gupta & party coll.; 1ex, Hardi Nalla, Dist-Raipur, Lat-21°24'00.0", Long-0.82°25'7.64", Alt-283m, 01.v.2012, Sunil Kr Gupta & party coll. 1ex, Dist-Raipur, Tinsa Pathar, Lat-21°24'86.3", Long-0.82°24'6.7", Alt-524m, 22.i.2012, Sunil & party Coll; 1ex, Dist-Raipur, Barvillage, Lat-21°24'00.2", Long-0.82°313", Alt-301m, 16.i.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Domal pani, Lat-21°25'4.20", Long-0.82°27'28.1", Alt-355m, 26.iv.2012, Sunil & Party Coll; 2exs, Barnawapara Camp, Dist-Raipur, Lat-21°23'20.8", Long-82°25'7.23", Alt-405m, 3.v.2012, Sunil Kr Gupta & party coll.; 3exs, Barbandhu Pond, Dist-Raipur, Lat-21°23'20.8", Long-82°25'7.23", Alt-405m, 8.vi.2012, Sunil Kr Gupta & party coll.; 3exs, Bartiya Domar, Dist-Raipur, Lat-21°26'25.5", Long-82°25'02.9", Alt-274m, 13.vi.2012, Sunil Kr Gupta & party coll.; 1ex, Dist-Raipur, Barnalla, Lat-21°23'0.71", Long-0.82°28'9.82", Alt-363m, 27.iv.2012, Sunil Kr Gupta & party coll.; 2exs, Dist-Jagdalpur, kulgaon village, Lat-19°00'43.1", Long-82°03'26.6", Alt-557m, 4.vi.2012, R.P Gupta Coll; 2exs, Bhatiguda Village, Dist-Jagdalpur, lat-19°02'53.4", long-81°03'3.5", Alt-575m, 2.vi.2012, R.P. Gupta coll; 1ex, Dist-Jagdalpur, Deargaon Village, Lat-19° 06'59.1", Long-81° 54'36.6", Alt-564m, 15.vi.2012, R.P. Gupta & Party Coll; 4exs, Dist-Jagdalpur, Housing Board, Lat-19°05'31.8", Long-81°59'58.6", Alt-615m, 12.vi.2012, R.P. Gupta & Party Coll; 1ex, P.G. College Jagdal, Dist-Jagdalpur, Lat-N 19°02'48.6", Long-E82°01'52.9", Alt-535m, 5.xii.2011, Renu Coll; 1ex, Kabcha, Dist-Jagdalpur, Lat-N19°06'36.8", Long-E82°06'18.9", Alt-559m, 24.iv.2012, R.P. Gupta & Party Coll; 1ex, Dist-Jagdalpur, Halguda, Lat-19°05'45.6", Long-82°03'9.3", Alt-561m, 29.iii.2012, R.P. Gupta & party Coll; 1ex, Dist-Surguja (Tamorpingle WLS), Ramkola (Devijhiria), Lat-23°38'30.3", Long-82°59'07.3",

Alt-556m, 15.v.2013, Raha & Party Coll; 5exs, Dist-Surguja, Pingalamala (Ramkola), Lat-2°38'46.8", 82°59'42.6", Alt-565m, 14.v.2013, Raha & Party Coll; 1ex, Dist-Koriya, Chul, 4.xi.2011, Mandal & Party Coll; 1ex, Bardand, Dist-Jashpur (Badalkkel WLS), Lat-22°53'55.6", Long-81°53'32.7", Alt-562m, 22.iii.2014, E.E. Talamalal & party Coll; 1ex, Chilpi, Dist-Kabirdham, Lat-22°13'21", Long-81°1'8"E, 01.iv.2014, E.E. Tehamal & Party Coll; 1ex, Dist-Jhaspur, Badalkhal WLS, Lat-22°54'28.9" Long-83°54'6.4" Alt-602m, 26.v.2012, Raha & Party Coll.

Diagnostic characters: Body pale obscure blood red, and pilose; apex and sometimes the whole central area of head, a small spot at inner margin of eyes, a tranverse anterior fascia and two angulated subbasal fasciae to corium, membrane, a large irregular spot on the lateral area of each sterna segment, abdomen (excluding margins), legs, antennae and rostrum black; basal spot and apical margin to membrane greyish. rostrum about reaching the posterior coxae. *Length:* 8 to 9 mm.

Distribution: India: Chhattisgarh (Koriya, Kabirdhum, Raipur, Jagdalpur, Jashpur, Surguja), Kerala, Maharashtra, Meghalaya, Uttarakhand, West Bengal. *Elsewhere:* Algeria, Australia, China, Etheopia, France, Indonesia, Japan, Java, Iseral, Malaya, Maldiveisland, Myanmar, Philippines island, Singapore, Spain, Somalia, Sri Lanka, Sudan, Tibet, Turkey.

33. *Graptostethus maculatus* (Dallas, 1852)

1852. *Lygaeus maculatus* Dall, *List. Hem.*, 2: 545.

1901. *Graptostethus maculatus* Distant, *Ann. Mag. nat. Hist.*, 7(7): 537.

2010. *Graptostethus maculatus*: Saha *et al.*, *Fauna of Uttarakhand, State Fauna Series*, 18 (Part-2): 224.

Material examined: 7exs, Badbhum F.R.H., Dist-Durg, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body reddish–yellow with a slight tinge of brown; a large spot between eyes, two very large rounded spots on basal area of pronotum, scutellum, a small spot beyond middle of clavus, a large central rounded spot to corium,

membrane, a lateral spot on each sterna segment and the abdominal apex black; legs, rostrum and antennae black with red; basal joint of rostrum and apical carination to scutellum reddish-yellow with a slight tinge of brown; second joint of antennae a little longer than the third. *Length:* 8 mm.

Distribution: India: Chhattisgarh (Koriya, sarguja, Durg), Uttarakhand. *Elsewhere:* Sri Lanka.

34. *Graptostethus argentatus* (Fabricius, 1803)

1803. *Lygaeus argentatus* Fabricius, *Syst. Rhynchota*, p. 288.

1988. *Graptostethus argentatus* Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, 107: 17.

Material examined: 1ex, Dist-Jagdalpur, Bhanpuri F.R.H., lat-19°19'3.5", Long-0.81°50'08.0", Alt-?, 17.x.2011, R.P. Gupta & Party Coll.

Diagnostic characters: Head, Pronotum and sternum pale purplish–red; antennae, rostrum, eyes, a small spot near each of the ocelli at base of head, two small spots near anterior margin and two much longer spots near posterior margin of pronotum, and a spot on the lateral areas of each sterna black; scutellum, corium, abdomen beneath and legs pale brownish–black with red; lateral margins and apex of scutellum and bases of lateral margins of corium, pale peuplish – red; membrane glossy black, its apical margin, small spots at base and sides, and apical margins of corium grayish-white; rostrum reaching posterior coxae. *Length:* 7 to 7.5 mm.

Distribution: India: Chhattisgarh (Jagdalpur), West Bengal. *Elsewhere:* Sri Lanka, Myanmar.

Genus 22. *Melanotelus* Reut 1885

1885. *Melanotelus* Reut, *Rev. d'Ent.*, 4: 200 & 202.

35. *Melanotelus bipunctata* (Dallas 1852)

1852. *Lygaeus bipunctatus* Dallas, *List. Hem.*, 2: 547.

1904. *Melanotelus bipunctata*: Distant, *Fauna Brit. India, Rhynchota*, 2: 12-13.

Material examined: 1ex, Dist-Raipur, Tinsa Pathar, Lat-21°24'86.3", Long-0.82°24'6.7", Alt-524m, 22.i.2012, Sunil & party Coll; 1ex, Dist-Raipur, Barnawapara Camp, lat-21°24'0.00", long-0.82°24'3.12", Alt-321m, 21.iii.2012, Sunil

Kr Gupta & party coll.; 1ex, Surugarh F.R.H., Dist-Raipur, Lat-21°35'10.1" Long-83°05'23.6", Alt-233m, 8.ii.2012, Sunil Kr Gupta & party coll.; 4exs, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-0.82°24'3.12", Alt-321m, 26.iii.2012, Sunil Kr Gupta & party coll.; 1ex, Marer Forest, Dist-Raipur, Lat-21°26'6.5", Long-0.82°24'4.28", Alt-326m, 01.iii.2012, Sunil Kr Gupta & party coll. 1ex, Dist-Raigar, Samguja F.R.H, Lat-21°35'10.1", Long-0.82°05'23.6", Alt-?, 15.ii.2012, Sunil & Party Coll; 1ex, Dist-Baster, Metyawada Village, Lat-N-19°08'27.4", Long-E 82°01'1.2", Alt-551m, 03.ii.2012, Rajen & Party Coll; 2exs, Chudaipadar, Dist-Jagdalpur, Lat-19°10'01.7", Long-81°58'19.9", Alt-543m, 20.i.012, R.P. Gupta & Party Coll; 1ex, Belruda Village, Dist-Jagdalpur, Lat-19°13'14.2", Long-81°59'04.1", Alt-582m, 16.i.2012, R.P. Gupta & Party Coll.

Diagnostic characters: Body dull reddish, greyishly pilose; head, a spot near each basal angle of the pronotum, membrane, a spot on lateral area of each sterna segment, and apex of abdomen black; antennae, rostrum, and legs black with red; membrane with the apex, a basal spot, and a spot at apical margin of corium white. *Length:* 6 to 7 mm.

Distribution: India: Chhattishgarh (Bastar, Raipur, Raigarh), Maharashtra. *Elsewhere:* Australia, Indonesia, Myanmar, Phillipine island, Rangoon, Sri Lanka.

Subfamily IV. HETEROGASTRINAE

Key to the genera of the subfamily HETEROGASTRINAE

- 1 Head robust and pointed anteriorly.....
.....*Dinomachus*
- Head not robust but short and triangular.....
.....*Sadoletus*

Genus 23. *Dinomachus* Distant 1901

1901. *Dinomachus*, Distant, *Fauna Brit. India, Rhynchota*, 8: 473.

Key to the species of genus *Dinomachus*

- 1 Ochraceous, thickly finely darkly punctuate
..... *rachinus*

- Ochraceous, thickly blackly and coarsely punctuate..... 2
2 Sparsely decumbent (Silky) hair not present on body and leg.....*sikhimensis*
- Sparsely decumbent (Silky) hair present on body and leg.....*bengalensis*

36. *Dinomachus rachinus* Distant, 1906

1906. *Dinomachus rhacinus* Distant, *Ann. Soc. Ent. Belg.*, 1: 410.
1988. *Dinomachus rhacinus* Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, 107: 31.
2010. *Dinomachus rhacinus*: Saha *et al.*, *Fauna of Uttarakhand, State Fauna Series*, 18(Part-2): 225.

Material examined: 1exs, Badbhum F.R.H., Dist-Durg, Lat-20°3'22.5", Long-81°10'4.4", Alt-419m, 14.iv.2014, S.K. Gupta & R.P. Gupta Coll; 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-81°59'49.1", Alt-440m, 1.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 3exs, Badbhum F.R.H., Dist-Durg, Lat-20°34'22.5", Long-81°19'4.4", Alt-1ex, Badbhum F.R.H, Dist-Durg, Lat-20°34'22.8", Long-81°19'4.4", Alt-419m, 11.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 419m, 8.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Sunkora F.R.H., Dist-Dhanitan, Lat-20°17'15.6", Long-81°54'45.1", Alt-478m, 21.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body beneath black with red; Pronotum with the extreme lateral margins black with red, a broken macular black basal fascia and with acentral pale line to posterior lobe; scutellum black with red, with a central pale line on apical area; corium with two small spots on disk, a transverse spot before apex and the apical angle black; Corium more sparsely and finely punctuate, the punctures arranged longitudinally; membrane bronzy; connexivum spotted with black with red; disk of abdomen and legs yellow with a slight tinge of brown; rostrum reaching the intermediate coxae, basal joint seaecely passing base of head. *Length:* 7 to 8.5 mm.

Distribution: India: Chhattisgarh (Durg,

Dhanitan, Raipur), Uttarakhand, West Bengal.
Elsewhere: Sri Lanka.

37. *Dinomachus sikhimensis* Distant, 1904

1904. *Dinomachus sikhimensis* Distant, *Fauna Brit. India, Rhynchota*, 2: 38.

1957. *Dinomachus sikhimensis* Scudder, *Opus. Ent.*, 22: 173.

Material examined: 2exs, Badbhum F.R.H., Dist-Durg, Lat-20°3'22.5", Long-81°10'4.4", Alt-419m, 14.iv.2014, S.K. Gupta & R.P. Gupta Coll.

Diagnostic characters: Body yellow with a slight tinge of brown, thickly blackly and coarsely punctuate; much suffused with black, especially on head, pronotum, scutellum, and theapical area of the corium, where there is an irregular transverse fascia followed by a rounded spot; membrane pale bronzy; legs yellow with a slight tinge of brown; apices of femora and annulations to tibiae black; connexivum black, spotted with yellow with a slight tinge of brown; antennae yellow with a slight tinge of brown, pilose. *Length*: 8.5 mm.

Distribution: India: Chhattisgarh (Durg), Sikkim. *Elsewhere* : Hong Kong.

38. *Dinomachus bengalensis* Mukhopadhyay, 1988

1988. *Dinomachus bengalensis* Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, 107: 32.

Material examined: 1ex, Dist-Raipur, Barnawapara Camp, Lat-21°24'0.00", Long-82°24'3.12", Alt-?, 25.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-82°24'3.12", Alt-321m, 18.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Barnawapara Camp, Dist-Raipur, Lat-21°24'0.00", Long-82°24'3.22", Alt-321m, 17.iv.2012, Sunil Kr Gupta & party coll.; 1ex, Sonhut F.R.H., Dist-Koriya, Lat-23°28'32.7", Long-82°31'35.4", Alt-690m, 10.v.2012, Sunil 7 Party Coll; 1ex, Sonkara F.R.H, Dist-Dhanetan, Lat-20eg17'15.4", Long-81°59'45.1", Alt-478m, 26.ii.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°14'19.7", Long-881°59'49.1", Alt-440m, 1.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex,

Badbhum F.R.H., Dist-Durg, Lat-N20°14'19.7", Long-E81°59'49.7", Alt-440m, 28.iii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body elongate, subovate; head broad, robust, pointed anteriorly; postyerior margin concavely sinuate; Head and pronotum with sparse adpressed pilosity; Pronotum uniformly dark brown with red; basal joint of rostrum extending beyond base of head; subapical upto inner apical angle corium uniformly brown yellow with a slight tinge of brown without any narrow fascia; scutellum large, subtriangular; corium longer than membrane; femora not prominently incrassated. *Length*: 7.5 mm.

Distribution: India: Chhattisgarh (Dist-Durg, Dhanetan, Koriya, Raipur), West Bengal.

Genus 24. *Sadoletus* Distant, 1904

1904. *Sadoletus* Distant, *Fauna Brit. India, Rhynchota*, 2: 35-37.

39. *Sadoletus validus* Distant, 1904

1904. *Sadoletus validus* Distant, *Fauna Brit. India, Rhynchota*, 2: 37.

1953. *Sadoletus validus* Bhasin, *Indian Forest Leaflet*, 121(3): 114.

Material examined: 2exs, Badbhum F.R.H., Durg, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: Body olive green; posterior lobe of pronotum, apex of scutellum, and abdomen brownish olive green; head, anterior lobe of pronotum, base of scutellum and sternum thickly and finely pilose; posterior lobe of pronotum and apex of scutellum thickly punctuate, corium linearly and more sparingly punctuate; membrane pale hyline; antennae pale yellow, third and fourth antennal joints somewhat with pale brownish; legs pale yellow; apices of tarsi the pale yellow; posterior femora with a dark brown spot on upper surface a little beyond middle. *Length*: 4.5 mm.

Distribution: India: Chhattisgarh (Durg).
Elsewhere: Sri Lanka.

Subfamily V. PACHYGRONTHINAE

Genus 25. *Pachygrontha* Germar 1837

1837. *Pachygrontha* Germar, *Silb. Rev. Ent.*, 5: 152-153.

40. *Pachygrontha bipunctata* Stal 18651865. *Pachygrontha bipunctata* Stal, *Hem. Afr.*, 2: 149.1988. *Pachygrontha bipunctata*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, 107: 34.

Material examined: 1ex, Ramkola (Tipkapari tower), Tamorjingha, Sorguja, Lat-23°43'53.5", Long-82°57'51.2", 15.v.2012, Raha & Party Coll.

Diagnostic characters: Body brown; Antennae yellow with a slight tinge of brown, basal joint of antennae light brown with yellow tinge, apical joint of antennae brownish yellow; pronotum punctuate, lateral margin of pronotum yellowish brown, two small brown spots at the posterior margin of the pronotum; one almost rounded black spot at distal end of clavus; scutellum with one black spot at apex; corium yellow with a slight tinge of brown and punctuate; membranae light gray colour; legs yellow with a slight tinge of brown; femur with brownish tinge particular each sides along the length; rostrum black with red; apical joint of antennae just before reaching the intermediate coxae. *Length*: 3.5 mm.

Distribution: India: Chhattishgarh (Sorguja), West Bengal; *Elsewhere*: Australia, Borneo, Congo, Japan, Phillipens, Mallaca, Mauritius, Mozambique, Nigeria, Sri Lanka, Tanganika.

Subfamily VI. OXYCARENINAE

Genus 26. *Oxycarenum* Fieber 18371837. *Oxycarenum* Fieber, *Beitr. Nat. Ges. Heilwiss*, pp. 339-340.41. *Oxycarenum proximus* (Walker, 1872)1872. *Anthocoris proximus* Walker, *Cat. Het.*, 5: 152.1901. *Oxycarenum proximus*, Distant, *Ann. Mag. nat. Hist.*, (7)8: 475.1904. *Oxycarenum proximus* Distant, *Fauna Brit. India, Rhynchota*, 2: 43-44.

Material examined: 1ex, Kairchapar Pond, Dist-Raipur, Lat-21°25'28.8", Long-82°29'13.4", Alt-373m, 18.iv.2012, Sunil Kr Gupta & party coll.

Diagnostic characters: Body beneath black; Head, anterior lobe of pronotum, and scutellum black; posterior lobe of pronotum granulate; rostrum reaching the posterior coxae; posterior pronotal lobe and clavus black with red or brown with red; corium black with red, with about basal

third white; membrane pale bronzy-brown, the basal margin and inner angle somewhat broadly white; posterior margin of metasternum white; antennae black; legs black with red, posterior tibiae with a broad white annulations. *Length*: 5 mm.

Distribution: India: Maharashtra (Dist-Raipur).

Subfamily VII. GEOCORINAE

Genus 27. *Geocoris* Fallen 18141814. *Geocoris* Fallen, *Spec. Nov. Hem. Disp. Met.*, p. 10.42. *Geocoris ochropterus* (Fabr, 1844)1798. *Cimex tricolor* Fabr., *Ent. Syst. Rhynchota*,: 238.1844. *Geocoris ochropterus* Fieber, *Ent. Monogr.* p. 117.1901. *Geocoris ochropterus* Distant, *Ann. Mag. nat. Hist.*, (7)8: 409.

Material examined: 1ex, Aadawal, Dist-Jagdalpur, Lat-19°05'21.0", Long-82°05'48.3", Alt-476m, 17.ii.2012, R.P. Gupta & Party Coll.; 1ex, Kabcha, Dist-Jagdalpur, Lat-19°06'36.8", Long-82°06'18.9", Alt-559m, 24.iv.2012, R.P. Gupta & Party Coll; 1ex, Dist-Jagdalpur, Bhatiguda Village, Lat-19°02'53.4", Long-82°03'3.5". Alt-575m, 2.vi.2012, R.P. Gupta & Party Coll; 1ex, Dist-Jagdalpur, Lammi Village, Lat-N19°02'48.6", Long-E-82°01'52.9", Alt-492m, 12.xii.2011, R.P. Gupta & Party Coll; 13exs, Dist-Surguja, Pingalamala (Ramkola), Lat-2°38'46.8", 82°59'42.6", Alt-565m, 14.v.2013, Raha & Party Coll; 5exs, Dist-Surguja, Pingabwala (Ramkala), Lat-23°38'16.8", Long-82°59'42.6", Alt-565m, 14.v.2013, Raha & Party Coll.

Diagnostic characters: Body beneath black; Head brownish yellow; head beneath, coxae, legs and extreme lateral margins of sternum and abdomen yellow with a slight tinge of brown; eyes brown with red; pronotum and scutellum black; lateral margins of pronotum and the corium yellow with a slight tinge of brown, the last sometimes greyish yellow with a slight tinge of brown; antennae black, first joint and the apical joint yellow with a slight tinge of brown; rostrum yellow with a slight tinge of brown; first joint of rostrum a little longer than the second; above coarsely punctuate, head and disk of corium impunctate. *Length*: 3.5 to 4 mm.

Distribution: India: Chhattishgarh (Dist-

Table: Measurements of body parts and ratios

Sl. No.	Name of the species	HL/HW	PL/PW	HW/PW	SL/SW	A1:A2:A3:A4	TBL (in mm)
1.	<i>Metochus uniguttatus</i> (Thunb)	1.078	1.095	0.593	1.081	1 : 4.4 : 5.8 : 8.8	10.396
2.	<i>Elasmolomus sordidus</i> (Fabricius)	0.669	0.759	0.592	1.305	1 : 1.8 : 3.4	8.144
3.	<i>Elasmolomus paralineosus</i> Mukhopadhyay	0.588	0.605	0.507	1.048	1 : 2.5 : 2.1	5.093
4.	<i>Rhyparothesus bengalensis</i> Distant	0.541	0.655	0.526	1.030	1 : 2.7 : 2.4	5.920
5.	<i>Rhyparothesus orientalis</i> Distant	0.501	0.802	0.509	0.973	1 : 2.1 : 1.6	7.220
6.	<i>Rhyparothesus sparsus</i> Distant	0.751	0.696	0.544	0.950	-	6.173
7.	<i>Rhyparothesus kangricus</i> Kirkaldy	0.589	0.742	0.596	1.081	-	6.568
8.	<i>Rhyparothesus dudgeoni</i> (Distant)	0.618	0.687	0.497	1.031	-	6.538
9.	<i>Dieuches femoralis</i> Dohrn	0.870	0.967	0.647	0.956	1 : 2.3 : 2.4 : 2.6	5.606
10.	<i>Dieuches leucocerus</i> (Walker)	1.085	0.878	0.541	1.359	1 : 1.8 : 1.5	5.633
11.	<i>Dieuches insignis</i> (Distant)	0.746	0.598	0.687	0.892	1 : 2.9 : 6.1	5.722
12.	<i>Dieuches coloratus</i> (Distant)	0.731	0.715	0.590	1.613	-	5.589
13.	<i>Cligenes signandus</i> Distant	0.545	0.241	0.284	1.098	-	2.020
14.	<i>Lachnethus singalensis</i> Scudder	0.744	0.773	0.594	1.381	1 : 2.1 : 2.0	5.152
15.	<i>Pseudopachybrachius guttus</i> Malipatil	0.828	0.780	0.677	0.913	-	4.138
16.	<i>Horridipamera nietneri</i> (Dohrn)	0.988	0.872	0.624	0.962	-	5.884
17.	<i>Orieotrechus aeruginosus</i> Distant	0.793	0.733	0.562	0.989	-	4.881
18.	<i>Paraecosmetus pallicornis</i> (Dallas)	0.754	0.782	0.683	0.984	-	6.664
19.	<i>Paromius exiguous</i> (Distant)	0.911	0.883	0.662	1.223	-	6.798
20.	<i>Usilanus burmanicus</i> Distant	0.696	0.698	0.568	0.991	-	4.955
21.	<i>Primierusbispinus</i> Distant	0.682	0.508	0.698	0.820	1 : 2.1 : 1.4 : 2.1	3.037
22.	<i>Kanigara flavomarginata</i> Distant	0.358	0.444	0.541	1.153	1 : 1.7 : 1.6 : 1.7	4.206
23.	<i>Neolethaeus typicus</i> Distant	0.644	0.589	1.673	0.991	-	4.759
24.	<i>Adauctus cupres</i> Distant	0.561	0.595	0.694	0.907	-	4.217
25.	<i>Lamproceps indica</i> Dallas	0.267	0.476	0.525	1.011	-	4.532
26.	<i>Arrianus excavates</i> , Distant	0.718	0.593	0.520	1.069	1 : 0.9 : 1.8 : 1.2	7.687
27.	<i>Nysius ceylanicus</i> (Motschulsky)	0.524	0.614	0.783	0.844	-	3.464
28.	<i>Nysius inconspicuous</i> Distant	0.508	0.498	0.797	0.880	-	3.533
29.	<i>Nysius laucustrinus</i> Distant	0.308	0.353	0.792	0.811	1 : 2.3 : 2.5 : 2.8	3.454
30.	<i>Spilostethus pandurus militaris</i> (Fabricius)	0.577	0.623	0.536	0.971	-	12.609
31.	<i>Spilostethus hospes</i> (Fabricius)	0.467	0.680	0.550	0.864	1; 3.4 : 2.9	9.581
32.	<i>Graptostethus servus</i> Fabricius	0.609	0.654	0.580	0.627	1 : 2.2	10.035
33.	<i>Graptostethus maculates</i> Dallas	0.648	0.675	0.577	1.159	-	7.368
34.	<i>Graptostethus argentatus</i> Fabricius	0.493	0.664	0.609	0.743	-	6.674
35.	<i>Melanotelus bipunctata</i> Dallas	0.369	0.675	0.592	0.713	1 : 2.2 : 1.7 : 2.2	5.928
36.	<i>Dinomachus rachinus</i> Distant	0.481	0.533	0.675	1.148	-	8.124
37.	<i>Dinomachus sikhimensis</i> Distant	0.719	0.691	0.730	0.989	-	6.890
38.	<i>Dinomachus bengalensis</i> Mukhopadhyay	0.570	0.645	0.694	1.208	1 : 2.2 :	4.583
39.	<i>Sadoletus validus</i> Distant	0.423	0.604	0.740	0.992	1 : 1.6 : 1.4	3.886
40.	<i>Pachygrontha bipunctata</i> Stal	1.032	0.726	0.589	1.030	1 : 0.8 : 0.5	3.586
41.	<i>Oxycarenus proximus</i> Walker	1.714	0.795	0.425	0.724	1 : 2.3 : 2.3 : 1.2	3.126
42.	<i>Geocoris ochropterus</i> Fieber	0.281	0.552	1.060	0.741	1 : 2.7 : 2.3 : 2.4	3.656
43.	<i>Harmostica ornata</i> Distant	0.761	0.555	0.511	0.765	1 : 2.7 : 2.2 : 2.6	5.615

HL = Length of Head, HW = maximum width of Head, PL = Length of pronotum, PW = maximum width of pronotum, SL = Length of Scutellum, SW = Maximum width of scutellum at base, A1 = length of 1st Antennal segment, A2 = length of 2nd Antennal segment, A3 = length of 3rd Antennal segment, A4 = length of 4th Antennal segment, TBL = Total body length.

Jagdapur, Surguja) Assam, Bangalore, west Bengal. *Elsewhere*: China, Bhamo, Borneo, Myanmar, Sri Lanka, Sumatra.

Subfamily VIII. APHANINAE

Genus 28. *Harmostica* Bergroth, 1918

1918. *Harmostica* Bergroth, *Phil. Jour. Sci.*, 13(3): 107.

43. *Harmostica ornata* (Distant, 1903)

1903. *Edulica ornata* Distant, *Ann. Soc. Ent. Belg.*, 47: 45.

1959. *Harmostica ornata*: Scudder, *Trans. Roy. Ent. Soc. Lond.*, 111: 419.

Material examined: 1ex, Sitamata Temple, Dist-Raipur, Lat-21°29'29", Long-082°21'135", Alt-324m, 23.iii.2012, Coll-Raha & Party coll; 1ex, Badbhum F.R.H., Dist-Durg, 01.iv.2014, S.K. Gupta & R.P. Gupta Party Coll; 1ex, Badbhum F.R.H., Dist-Durg, Lat-20°24'22.5", Long-81°19'4.4", Alt-419m, 8.ii.2014, S.K. Gupta & R.P. Gupta Party Coll.

Diagnostic characters: body yellow with a slight tinge of brown; eyes black; central area of pronotum strongly punctuate and dark brown; apical margins of scutellum, clavus, corium, spots near the anterior and posterior coxae, marginal abdominal spots, and transverse suffusions to the last three abdominal segments black with red; membrane black with red suffusions on apical

area; scutellum, clavus, and corium distinctly punctuate; lateral margins of corium somewhat strongly pilose. *Length*: 5 mm.

Distribution: India: Chhattishgarh (Dist-Raipur, Durg). *Elsewhere*: Sri Lanka.

SUMMARY

The present paper incorporated the account of 43 species of Lygaeidae belonging to 28 genera from the state of Chhattishgarh, out of which 40 species are first time recored from the state. For each species the original and the subsequent references, distributional records in India and elsewhere, keys to various taxa have been provide. This is the first comprehensive account of Lygid bugs from the state of Chhattishgarh.

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PLATE 1



Metochus uniguttatus
(Thunb)



Elasmolomus sordidus
(Fabricius)



Elasmolomus paralineosus
Mukhopadhyay



Rhyparothesus bengalensis
Distant



Rhyparothesus orientalis
Distant



Rhyparothesus sparsus
Distant



Rhyparothesus kangricus
(Kirkaldy)



Rhyparothesus dudgeoni
(Distant)



Dieuches femoralis Dohrn



Dieuches leucoceras
(Walker)



Dieuchus insignis (Distant)

PLATE 2



Dieuchus coloratus
(Distant)



Cligenes signandus
(Distant)



Lachnesthus singalensis
(Dohrn)



Pseudopachybrachius guttus
(Dall.)



Horridipamera nietneri
(Dohrn)



Oriotrechus aeruginosus
Distant



Paraeucosmetus pallicornis
(Dallas)



Paromius exiguus (Distant)



Usilanus burmanicus
Distant



Primierus indicus Distant



Kanigara flavomarginata
Distant

PLATE 3



Neolethaeus typicus Distant



Adactus cupres Distant



Tropistethus indicus Dall



Arrianus excavates Distant



Nysius ceylanicus
Motschulsky



Nysius inconspicuus
Distant



Nysius laucustrinus Distant



Spilostethus pandurus
militaris (Fabricius)



Spilostethus hospes
(Fabricius)



Graptostethus servus
(Fabricius)



Graptostethus maculatus
(Dallas)

PLATE 4



Graptostethus argentatus
(Fabricius)



Melanotelus bipunctata
(Dallas)



Dinomachus rachinus
Distant



Dinomachus sikhimensis
Distant



Dinomachus bengalensis
Mukhopadhyay



Sadoletus validus Distant



Pachygrontha bipunctata
Stal



Oxycarenus proximus
Walker



Geocoris ochropterus
Fieber



Harmostica ornata Scudder