

Fauna of Protected Areas - 24:

SCARABAEID BEETLES OF BANDHAVGARH NATIONAL PARK, MADHYA PRADESH

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Abstract

A comprehensive survey of Bandhavgarh National Park in Madhya Pradesh revealed 44 species in 24 genera and eight subfamilies. Thirty-five species are first time records for Bandhavgarh National Park and Umaria district, and five species are new records for Madhya Pradesh state.

Keywords

Bandhavgarh National Park, checklist, new records, scarabeid beetles

Bandhavgarh National Park is an important and old national park in Madhya Pradesh. An area of 105km² was declared as National park in 1965 and it was finally notified in 1968 (vide Forest Department notification No. 2977/X/68 dated 23.iii.1968). The park is located about 130km northeast of Jabalpur and 30km from Umaria. The park lies between 80°57'30"-80°06'15"E & 23°36'30"-23°42'30"N. The altitude ranges from 440m in the valleys to 811.40m on the highest ridge top. The area consists of many hills and hillocks of varying sizes interspersed with large number of various-sized valleys. Most of the area is undulating, however, the hill tops are flat. The lower portions of the valleys are grassy meadows locally called *bah*, which are mostly marsh land with seepage from ground. The vegetation of the park is tropical moist deciduous type, which may be reclassified into Sal forest, mixed forests and grasslands.

The family Scarabaeidae is one of the largest families in the order Coleoptera, which have both positive as well as negative significance. Dung beetles play an important role in enhancing the nutritional value of the soil, whereas chafers feed on vegetation. The first comprehensive account of Scarabaeid beetles of the Indian region was published by Arrow (1910, 1917, 1931) in three volumes of Fauna of British India and 58 species were reported from Madhya Pradesh, wherein only nine species of the subfamily Scarabaeinae were known from Umaria district. Some other papers on Scarabaeid beetles of Madhya Pradesh and Chhattisgarh were published by Chandra (2000), and, Chandra and Singh (2004), but the information on scarabaeid beetles of Bandhavgarh National Park is completely lacking. During the survey of Bandhavgarh National Park undertaken by the Zoological Survey of India in 2002 and 2004, several specimens of scarabaeid beetles were studied, which resulted in the identification of 44 species of 24 genera under eight subfamilies. Thirty-five species are recorded for the first time from Bandhavgarh National Park and Umaria district. Of these, five species are new records to the fauna of Madhya Pradesh. All the species are identified by the senior author and the identified specimens are registered and deposited in the National Zoological Collection of Zoological Survey of India, Jabalpur.

List of scarabaeid beetles from Bandhavgarh National Park**Family: Scarabaeidae****Subfamily: Aphodinae**

1. *Aphodius moestus* Fabricius
2. *Aphodius crenatus* Harold

Subfamily: Hybosridae

3. *Hybosorus orientalis* Westwood
4. *Phaeochrous* sp.

Subfamily: Troginae

5. *Trox* sp.

Subfamily: Scarabaeinae

6. *Catharsius pithecius* (Fabricius)
7. *Catharsius molossus* (Linnaeus)
8. *Catharsius sagax* (Queensland)
9. *Copris imitans* Felsche *
10. *Copris repertus* Walker *
11. *Drepanocerus setosus* (Wiedemann)*
12. *Gymnopleurus sinuatus* (Olivier)
13. *Heliocopris bucephalus* (Fabricius)
14. *Liatongus rhadamistus* (Fabricius)*
15. *Onthophagus bonasus* (Fabricius)
16. *Onthophagus catta* (Fabricius)
17. *Onthophagus cervus* (Fabricius)*
18. *Onthophagus dama* (Fabricius)
19. *Onthophagus fasciatus* Boucomont *
20. *Onthophagus ramosus* (Wiedman)
21. *Onthophagus pactolus* (Fabricius)
22. *Onthophagus quadridentatus* (Fabricius)*
23. *Onthophagus sagittarius* (Fabricius)
24. *Onthophagus tarandus* (Fabricius) *
25. *Oniticellus cintus* (Fabricius)
26. *Oniticellus spinipes* Roth*
27. *Onitis philemon* (Fabricius)

Subfamily: Melolonthinae

28. *Apogonia* sp.
29. *Schizonycha ruficollis* (Fabricius)

Subfamily: Rutelinae

30. *Adoretus bicaudatus* Arrow
31. *Adoretus lasiopygus* Burmeister
32. *Adoretus duvauceli* Blanchard
33. *Mimela inscripta* (Nonfried)
34. *Mimela macleayana* (Vigors)
35. *Rhinyptia meridionalis* Arrow
36. *Singhala robusta* (Ohaus)
37. *Pachyrhinadoretus frontatus* (Burm.)

Subfamily: Dynastinae

38. *Heteronychus lioderes* Redtenbacher
39. *Alissonotum simile* Arrow
40. *Dipelicus cantator* Arrow
41. *Xylotrupes gideon* (Linnaeus)

Subfamily: Cetoniinae

42. *Clinteria klugi* (Hope)
 43. *Chiloloba acuta* (Wied.)
 44. *Oxyctonia versicolor* (Fabricius)

Systematic Account**Order: Coleoptera****Suborder: Polyphaga****Family: Scarabaeidae****Subfamily: Aphodiinae****1. Aphodius moestus** Fabricius

1801. *Aphodius moestus* Fabricius, *Syst. Eleuth.*, 1: 78.
 1964. *Aphodius moestus* Balthasar, *Verl. Tschsl. Akad. Wissensch.* III: 182.

Material examined: Umaria, B.N.P., Tala Guest house, 28.ix.2002 (2 exs.), coll. R.K. Singh & party.

Remarks: Very common; new record from Bandhavgarh National Park.

2. Aphodius crenatus Harold

1862. *Aphodius crenatus* Harold, *Berl. Ent. Zeit.*, 5, 1862, p.14, 142.
 1898. *Aphodius crenatus* Cloust, *Ann. Soc. Ent. Fr.*, 67, p.240.

Material examined: Umaria, B.N.P., Tala Guest house, 22.ix.2002 (1 ex.), coll. M.L. Koshta & party; 30.ix.2002 (1ex.), coll. R.K. Singh & party.

Remarks: Very common; new record from Bandhavgarh National Park

Subfamily: Hybosorinae**3. Hybosorus orientalis** Westwood

1845. *Hybosorus orientalis* Westwood, *Trans. Ent. Soc. Lond.*, 6: 159.
 1983. *Hybosorus orientalis* Kuitjen, *Zool. Varh. Leiden*, 203: 25.

Material examined: Umaria, B.N.P., Tala Guest house, 21.ix.2002 (1 ex.), 22.ix.2002 (2 exs.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

4. Phaeochrous sp.

1840. *Phaeochrous* Castelnau, *Hist. nat. des. Insectes*. 2(1): 108.
 1983. *Phaeochrous* Kuitjen, *Zool. Verh. Leiden*, 165: 8.

Material examined: Umaria, B.N.P., Tala Guest house, 23.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

Subfamily: Troginae**5. Trox** sp.

1792. *Trox* Fabricius, *Syst. Ent.*, 31.
 1912. *Trox* Arrow, *Col. Cat. Pars*, 43: 53.
 1982. *Trox* Scholtz, *Ent. Mem.* 54: 2.

Material examined: Umaria, B.N.P., Tala Guest house, 22.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

Subfamily: Scarabaeinae**6. Catharsius pithecius** (Fabricius)

1775. *Scarabaeus pithecius* Fabricius, *Syst. Ent.*, 21.
 1931. *Catharsius pithecius* Arrow, *Faun. Brit. India* (Lamellicornia: Coprinae) 3: 100.

Material examined: Umaria, B.N.P., Tala Guest House, 24.ix.2002 (2 exs.), 25.ix.2002 (2 exs.), 28.ix.2002 (2 exs.) & 29.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Very common; new record from Bandhavgarh National Park.

7. Catharsius molossus (Linnaeus)

1758. *Scarabaeus molossus* Linnaeus, *Syst. Nat. ed.* 10:347.
 1931. *Catharsis molossus* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 95-96.

Material examined: Umaria, B.N.P., Tala Guest house, 25.ix.2002 (10 exs.), 27.ix.2002 (2 exs.) & 28.ix.2002 (10 exs.), coll. M.L. Koshta & party; Bamera dam, 1.x.2002 (3 exs.); Tala Guest house, 3.x.2002 (8 exs.), coll. R.K. Singh & party.

Remarks: Very common; new record from Bandhavgarh National Park.

8. Catharsius sagax (Queensland)

1806. *Copris sagax* Queensland, *Schonh. Syn. Ins.*, I: 43.
 1931. *Catharsius sagax*: Arrow, *Faun. Brit. India* (Lamellicornia: Coprinae) 3: 96.

Material examined: Umaria, B.N.P., Tala Guest house, 25.ix.2002 (4 exs.), 27.ix.2002 (2 exs.) & 28.ix.2002 (1ex.), coll. M.L. Koshta & party.

Remarks: Very common; new record from Bandhavgarh National Park.

9. Copris imitans Felsche

1910. *Copris imitans* Felsche, *Deutsche Ent. Zeits.*, 347.
 1931. *Copris imitans*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 124.

Material examined: Recorded from Literature (Arrow, 1931)

Remarks: Common; known from Umaria district.

10. Copris repertus Walker

1858. *Copris repertus* Walker, *Ann. Mag. Nat. Hist.*, (3)ii: 208.
 1931. *Copris repertus* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 116.

Material examined: Recorded from literature (Arrow, 1931)

Remarks: Common; known from Umaria District.

11. Drepanocerus setosus (Wiedemann)

1823. *Copris setosus* Wiedemann, *Zool. Mag.*, II, i: 19.
 1931. *Drepanocerus setosus* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 381.

Material examined: Recorded from literature (Arrow, 1931)

Remarks: Common; known from Umaria district.

12. Gymnopleurus sinuatus (Olivier)

1789. *Scarabaeus sinuatus* (Olivier), *Entom.*, I: 160, ff.21, fig.189.
 1931. *Gymnopleurus sinuatus* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:63.

Material examined: Umaria, B.N.P., Tala Guest house, 22.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

13. Heliocopris bucephalus (Fabricius)

1775. *Scarabaeus bucephalus* Fabricius, *Syst. Ent.*, 24.
 1931. *Heliocopris bucephalus* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:88.

Material examined: Umaria, B.N.P., Tala Guest house, 27.ix.2002 (3 exs.), 28.ix.2002 (2 exs.), coll. M.L. Koshta & party.

Remarks: Very common; new record from Bandhavgarh National Park.

14. Liatongus rhadamistus (Fabricius)

1775. *Scarabaeus rhadamistus* Fabricius, *Syst. Ent.*, 22.
 1931. *Liatongus rhadamistus*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:374.

Material examined: Recorded from literature (Arrow, 1931)

Remarks: Common; known from Umaria district.

15. Onthophagus bonasus (Fabricius)

1775. *Scarabaeus bonasus* Fabricius, *Syst. Ent.*, : 23.
 1931. *Onthophagus bonasus*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:231.

Material examined: Umaria, B.N.P., Tala Guest house, 22.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

16. Onthophagus catta (Fabricius)

1787. *Scarabaeus catta* Fabricius, *Mant. Ins.*, i: 12.
 1931. *Onthophagus catta*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:230.

Material examined: Umaria, B.N.P., Tala Guest house, 22.ix.2002 (1 ex.), 24.ix.2002 (2 exs.) & 26.ix.2002 (1 ex.), coll. M.L. Koshta &

party.

Remarks: Common; new record from Bandhavgarh National Park.

17. *Onthophagus cervus* (Fabricius)

1798. *Copris cervus* F., *Ent. Syst. Suppl.*, : 31.

1931. *Onthophagus cervus* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:348.

Material examined: Umaria, Tala Guest house, 24.ix.2002 (2 exs.), coll. M.L. Koshta & party.

Remarks: Common; known from Umaria district.

18. *Onthophagus dama* (Fabricius)

1798. *Copris dama* Fabricius, *Ent. Syst. Suppl.*, 32.

1931. *Onthophagus dama*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:280.

Material examined: Umaria, B.N.P., Tala Guest house, 24.ix.2002 (2 exs.), coll. M.L. Koshta & party.

Remarks: Very common; new record from Bandhavgarh National Park.

19. *Onthophagus fasciatus* Boucomont

1914. *Onthophagus fasciatus* Boucomont, *Ann. Mus. Civ. Genova*, xlvii: 214.

1931. *Onthophagus fasciatus*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 311.

Material examined: Recorded from literature (Arrow, 1931).

Remarks: Common; known from Umaria district.

20. *Onthophagus ramosus* Wiedman

1823. *Onthophagus ramosus* (Wiedman), *Zool. Mag.*, 21.

1931. *Onthophagus ramosus*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:236.

Material examined: Umaria, B.N.P., Tala Guest House, 29.ix.2002 (1 ex.), 30.ix.2002 (1 ex.), coll. R.K. Singh & party.

Remarks: Very common; new record from Bandhavgarh National Park.

21. *Onthophagus pactolus* (Fabricius)

1787. *Scarabaeus pactolus* Fabricius, *Mat. Ins.*, I: 12.

1931. *Onthophagus pactolus*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:203.

Material examined: Umaria, B.N.P., Tala Guest House, 24.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

22. *Onthophagus quadridentatus* (Fabricius)

1798. *Copris quadridentatus* Fabricius, *Ent. Syst. Suppl.*, 34.

1931. *Onthophagus quadridentatus* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 282.

Material examined: Recorded from literature (Arrow, 1931)

Remarks: Common; known from Umaria district.

23. *Onthophagus sagittarius* (Fabricius)

1775. *Copris sagittarius* Fabricius, *Syst. Ent.*, p. 21.

1931. *Onthophagus sagittarius* Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 304.

Material examined: Umaria, B.N.P., Gomphari dam, 02.II.2004 (2 exs.), coll. Y.N. Gupta & party.

Remarks: Common; new record from Bandhavgarh National Park.

24. *Onthophagus tarandus* (Fabricius)

1792. *Scarabaeus tarandus* F., *Ent. Syst.*, I: 48.

1931. *Onthophagus tarandus*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:180.

Material examined: Umaria, B.N.P., Tala Guest house, 24.ix.2002 (2 exs.), coll. M.L. Koshta & party; Tala Guest house, 30.ix.2002 (1 ex.), coll. R.K. Singh & party.

Remarks: Common; known from Bandhavgarh National Park.

25. *Oniticellus cinctus* (Fabricius)

1775. *Scarabaeus cinctus* F., *Syst. Ent.*, 30.

1931. *Oniticellus cinctus*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:379.

Material examined: Umaria, B.N.P., Tala Guest house, 24.ix.2002 (2 exs.), coll. M.L. Koshta & party.

Remarks: Very common; new record from Bandhavgarh National Park.

26. *Oniticellus spinipes* Roth

1851. *Oniticellus spinipes* Roth., *Arch. F. Nat.*, xvii, i:128.

1931. *Oniticellus spinipes*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3:378.

Material examined: Recorded from Literature (Arrow, 1931)

Remarks: Very common; known from Bandhavgarh National Park.

27. *Onitis philemon* Fabricius

1801. *Onitis philemon* Fabricius, *Syst. Eleut.*, I: 30.

1931. *Onitis philemon*: Arrow, *Faun. Brit. India*, (Lamellicornia: Coprinae) 3: 393.

Material examined: Umaria, B.N.P., Tala Guest house, 21.ix.2002 (1 ex.), 24.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

Subfamily: Melolobthinae

28. *Apogonia* sp.

1818. *Apogonia* Kirby, *Trans. Linn. Soc.*, XII: 401.

1904. *Apogonia* Pering, *Trans. Roy. Soc.*, 5, *Aust. Phil. Soc.*, XIII: 289.

Material examined: Umaria, B.N.P., Tala Guest house, 22.ix.2002 (2 exs.), 24.ix.2002 (2 exs.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

29. *Schizonycha ruficollis* (Fabricius)

1781. *Melolontha ruficollis* Fabricius, *Spec. Ins.*, 7:39.

1923. *Schizonycha ruficollis*: Arrow, *Rec. Indian Mus.*, 25(2): 250.

Material examined: Umaria, B.N.P., Tala Guest house, 22.ix.2002 (2 exs.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

Subfamily: Rutelinae

30. *Adoretus bicaudatus* Arrow

1914. *Adoretus bicaudatus* Arrow, *Ann. Mag. Nat. Hist.*, (8), xiii: 587.

1917. *Adoretus bicaudatus* Arrow, *Faun. Brit. India*, (Lamellicornia: Rutelinae) 2: 310.

Material examined: Umaria district, B.N.P., Tala Guest House, 29.ix.2002 (3 exs.), coll. R.K. Singh & party.

Remarks: Very common; new record from Bandhavgarh National Park.

31. *Adoretus lasiopygus* Burmeister

1855. *Adoretus lasiopygus* Burmeister, *Handb. Ent.*, 12(6): 530.

1910. *Adoretus lasiopygus* Arrow, *Faun. Brit. India*, (Lamellicornia: Rutelinae) 2: 349.

Material examined: Umaria, B.N.P., Tala Guest house, 24.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Very common; new record from Bandhavgarh National Park.

32. *Adoretus duvauceli* Blanchard

1851. *Adoretus duvauceli* Blanchard, *Cat. Coll. Ent. Mus. Paris*, 432.

1917. *Adoretus duvauceli* Arrow, *Faun. Brit. India*, (Lamellicornia: Rutelinae) 2: 343.

Material examined: Umaria, Tala Guest house, 25.ix.2002 (1 ex.), 26.09.2002 (1 ex.), coll. M.L. Koshta & party; Tala Guest house, 30.ix.202 (1 ex.), coll. R.K. Singh & party.

Remarks: Very common; new record from Bandhavgarh National Park.

33. *Mimela inscripta* (Nonfried)

1892. *Anomala inscripta* Nonfried, *Berl. Ent. Zeits.*, xxxvi, p. 236.

1917. *Mimela inscripta*: Arrow, *Faun. Brit. India*, (Lamellicornia: Rutelinae) 2: 124.

Material examined: Umaria, B.N.P., Tala Guest house, 24.ix.2002 (1

ex.), coll. M.L. Koshta & party.

Remarks: Rare; new record from Bandhavgarh National Park.

34. *Mimela macleayana* (Vigors)

1825. *Euchlora macleayana* Vigors, *Zool. Journ.*, 1: 540.

1910. *Mimela macleayana* Arrow, *Faun. Brit. India*, (Lamellicornia: Rutelinae) 2: 105

Material examined: Umaria, B.N.P., Tala Guest House, 24.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

35. *Rhinyptia meridionalis* Arrow

1911. *Rhinyptia meridionalis* Arrow, *Ann. Mag. Nat. Hist.*, (8) viii, p. 356.

1917. *Rhinyptia meridionalis* Arrow, *Faun. Brit. India*, (Lamellicornia: Rutelinae) 2: 271.

Material examined: Umaria, B.N.P., Tala Guest House, 22.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Rare; new record from Madhya Pradesh

36. *Singhala robusta* (Ohaus)

1917. *Anomala robusta* Arrow, *Faun. Brit. India*, (Lamellicornia: Rutelinae) 2: 135.

1972. *Singhala robusta* Machatschke, *Coleopteran Catalogue* (W.Junk), Scarabaeoidea, Melolonthinae: Rutelinae: 194.

Material examined: Umaria, B.N.P., Tala Guest House, 22.ix.2002 (5 exs.), 24.ix.2002 (1 ex.), coll. M.L. Koshta & party; Tala Guest house, 29.ix.2002 (1 ex.), 30.ix.2002 (2 exs.) & 3.x.2002 (2 exs.), coll. R.K. Singh & party.

Remarks: Rare; new record from Bandhavgarh National Park.

37. *Pachyrrhinadoretus frontatus* (Burm.)

1855. *Adoretus frontatus* Burm., *Handb. Ent.*, iv, 1, p. 530.

1912. *Pachyrrhinadoretus costatus* Ohaus, *Deutsche Ent. Zeits.*, p. 511.

Material examined: Umaria, B.N.P., Tala guest house, 22. ix. 2002 (5 exs.), coll. M.L. Koshta & party.

Remarks: Rare; new record from Madhya Pradesh.

Subfamily VII: Dynastinae

38. *Heteronychus lioderes* Redtenbacher

1867. *Heteronychus lioderes* Redtenbacher, *Reise der Novara, Zool.*, Col., II: 75

1910. *Heteronychus lioderes* Arrow, *Faun. Brit. India*, (Lamellicornia: Dynastinae) I: 295.

Material examined: Umaria, B.N.P., Tala Guest House, 22.ix.2002 (1 ex.), 24.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Madhya Pradesh.

39. *Alissonotum simile* Arrow

1910. *Alissonotum simile* Arrow, *Faun. Brit. India*, (Lamellicornia: Dynastinae) I: 300.

Material examined: Umaria, B.N.P., Tala Guest House, 22.ix.2002 (1 ex.), coll. M.L. Koshta & party; Tala Guest house, 31.i.2004 (1 ex.), coll. Dr. Y.N. Gupta & party.

Remarks: Rare; new record from Madhya Pradesh.

40. *Dipellicus cantator* Arrow

1910. *Dipellicus cantator* Arrow, *Faun. Brit. India*, (Lamellicornia: Dynastinae) I: 313.

Material examined: Umaria, B.N.P., Tala Guest House, 22.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Rare; new record from Madhya Pradesh

41. *Xylotrupes gideon* (Linnaeus)

1767. *Scarabaeus gideon* Linnaeus, *Syst. Nat.*, 12th ed. 1(2): 541.

1910. *Xylotrupes gideon* Arrow, *Faun. Brit. India*, (Lamellicornia: Dynastinae) I: 262.

Material examined: Umaria, B.N.P., Tala Guest House, 28.ix.2002 (2

exs.), coll. R.K. Singh & party.

Remarks: Rare; new record from Bandhavgarh National Park.

Subfamily: Cetoniinae

42. *Clinteria klugi* (Hope)

1831. *Cetonia klugi*, Hope, *Gray's Zool. Misc.*, 25.

1910. *Clinteria klugi* Arrow, *Faun. Brit. India*, (Lamellicornia: Cetoniinae) I: 187.

Material examined: Umaria, B.N.P., Tala Guest House, 22.ix.2002 (1 ex.); 24.ix.2002 (2 exs.), 26.ix.2002 (2 exs.), coll. M.L. Koshta & party; Gohari, 30.ix.2002 (1 ex.), coll. R.K. Singh & party.

Remarks: Very common; new record from Bandhavgarh National Park.

43. *Chiloloba acuta* (Wied)

1823. *Cetonia acuta* Wied., *Zool. Mag.*, II, 1: 8.

1910. *Chiloloba acuta* Arrow, *Faun. Brit. India*, (Lamellicornia: Cetoniinae) I: 172.

Material examined: Umaria, B.N.P., Tala Guest House, 24.ix.2002 (1 ex.), coll. M.L. Koshta & party; Tala Guest house, 30.ix.2002 (2 exs.), coll. R.K. Singh & party.

Remarks: Common; new record from Bandhavgarh National Park.

44. *Oxycetonia versicolor* (Fabricius)

1775. *Cetonia versicolor* Fabricius, *Syst. Ent.*: 51.

1910. *Oxycetonia versicolor*: Arrow, *Faun. Brit. India*, (Lamellicornia: Cetoniinae) I: 164.

Material examined: Umaria, B.N.P., Tala Guest House, 24.ix.2002 (1 ex.), coll. M.L. Koshta & party; 28.ix.2002 (1 ex.), coll. M.L. Koshta & party.

Remarks: Common; new record from Bandhavgarh National Park.

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