

already at work on this important undertaking of the Deutsche Zoologische Gesellschaft, under the general editorship of Prof. F. E. Schulze, of Berlin. The first part of the work was promised to be ready in the beginning of 1897, and twenty-five years were allowed for its full completion. The general character of the work was shown by the pattern treatise on the Heliozoa prepared by Dr. Fritz Schaudinn, which accompanied the prospectus. In this treatise of 24 pages about 60 species were described, so that if this ratio of species to pages was an average one it would seem that upwards of 190 volumes would be required to complete the work.

In reference to the discussion on Zoological Nomenclature, which took place at the last Meeting, Mr. Sclater remarked that he had omitted to state that at the late International Congress of Zoology held at Leyden (see Bull. trois. Congr. Int. de Zoologie, no. 5, p. 6) a committee of five Naturalists of different countries had been appointed with the object of endeavouring to settle the differences between the several codes of Zoological Nomenclature. The names suggested on that occasion by Prof. F. E. Schulze, and accepted by the Meeting, were Prof. Blanchard of Paris, Prof. Victor Carus of Leipzig, Dr. Jentink of Leyden, Mr. Sclater, and Dr. W. Stiles of Washington. This subject would therefore come very appropriately before the next International Zoological Congress, which was proposed to be held in this country in 1898.

The following papers were read:—

1. A Contribution to the Knowledge of the Hymenopterous Fauna of Ceylon. By Lt.-Col. C. T. BINGHAM, F.Z.S., F.E.S.

[Received February 17, 1896.]

(Plate XV.)

I know of only two published lists dealing with the Hymenoptera of Ceylon. The first, by Walker, is given in chapter xii. of Tennent's 'Natural History of Ceylon,' and includes Walker's new species described in the 'Annals and Magazine of Natural History,' series 3, vols. iv. (1859) and v. (1860). The second list, by Motschoulsky, appeared in the 'Bulletin de la Société Impériale des Naturalistes,' Moscow, 1863. In this Walker's list was republished, and several new species, chiefly *Chalcididae* and *Ichneumonidae*, were described.

The present paper, founded on the collections made in Ceylon by Col. Yerbury, R.A., and Mr. E. E. Green, deals only with the Aculeate, or more correctly, seeing that I have included the Tubulifera (*Chrysididae*), the Monotrochous Hymenoptera found in

the island. Three hundred and forty-one species, of which seven have not previously been described, are here recorded, a number, however, far less than what must actually occur in an island with so varied a climate and flora as Ceylon.

The species, as was to be expected, are chiefly Indian, but I have thought it premature to enter into any detailed comparison of the fauna with that of any other portion of the Oriental region, more especially as, since the publication, nearly thirty years ago, by the late Mr. Smith of his 'Catalogue of the Aculeate Hymenoptera and *Ichneumonidae* of India and the Eastern Archipelago,' no comprehensive list of the hymenopterous insects of India has appeared.

I have to add, by way of explanation, that, in the following list, where no locality is mentioned the insect does not occur in either Colonel Yerbury's or Mr. Green's collections, and has simply been recorded or described from Ceylon, with no particular locality indicated.

Family FORMICIDÆ, Leach.

Genus CAMPONOTUS, Mayr.

1. CAMPONOTUS SERICEUS (Fabricius).

Formica sericea, Fabr. Ent. Syst. Suppl. 279, 9; Lepel. Hym. i. 217, 24; Smith, Cat. Hym. Ins. B. M. vi. 31, 103; Jour. Linn. Soc. xi. (1867), 306, 54.

Formica aurulenta, Latr. Hist. Nat. Fourm. 114, pl. 3, f. 9 ♀.

Lastus sericeus, Fabr. Syst. Piez. 416, 4.

Formica cinerascens, Jerd. (nec Fabr.) Madr. Jour. Lit. & Sci. 1851, 123.

Formica obtusa, Smith, Cat. Hym. Ins. B. M. vi. 30, 99.

Camponotus scriccus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 675, 39; Forel, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 231, 1; Emery, Ann. Soc. Ent. Fr. 1893, 254, 161.

Camponotus opaciventris, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1878, 648 ♀ (var.).

Trincomalee.

2. CAMPONOTUS VARIANS, Roger.

Camponotus varians, Roger, Berl. ent. Zeitschr. 1863, p. 138, 10 ♀; Forel, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 232, 2.

3. CAMPONOTUS RETICULATUS, Roger.

Camponotus reticulatus, Roger, Berl. ent. Zeitschr. 1863, 139, 11; Forel, Jour. Bombay, Nat. Hist. Soc. vii. (1892), 233, 7, & 431 7, var.

Formica reticulata, Smith, Jour. Linn. Soc. xi. (1867), 307, 61.

Besides a variety of this species (*C. latitans*), Forel has described (*l. c.* p. 431) a new race as *Camponotus yerburyi*.
Kandy (*Yerbury coll.*).

4. CAMPONOTUS BARBATUS, Roger.

Camponotus barbatus, Roger, Berl. ent. Zeitschr. 1863, 138, 9 ♂ ;
Forel, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 233, 8.
Formica barbata, Smith, Jour. Linn. Soc. xi. (1867), 306, 59.

5. CAMPONOTUS DORYCUS (Smith).

Formicus dorycus, Smith, Jour. Linn. Soc. v. (1861), 96, 11 ♂ ;
id. xi. (1867), 308, 85.
Camponotus sesquipedalis, Roger, Berl. ent. Zeitschr. 1863, 137,
7 ♀.
Camponotus dorycus, Wroughton, Jour. Bomb. Nat. Hist. Soc.
vii. (1892), 32, 12 ; Forel, idem, 236, 13 (race *C. carin*, Emery, Ann.
d. Mus. Civ. di Stor. Nat. Genova, ser. 2, vii. (1889), 512, 74).

6. CAMPONOTUS RUFOGLAUCUS (Jerdon).

Formica pubescens, Brullé (nec Fabr.), Hist. Nat. Il. Canar.
ii. 84, 1.
Formica rufoglauca, Jerd. Madr. Jour. Lit. & Sci. 1851, 124 ;
Smith, Cat. Hym. Ins. B. M. vi. 16, 53 ; Jour. Linn. Soc. xi.
(1867), 303, 11.
Formica (Camponotus) micans, Nyl. Ann. Sci. Nat. v. (1856),
55, 4 ♂ ; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. 1892,
33, 16.
Camponotus flavo-marginatus, Mayr, Verh. d. k.-k. zool.-bot.
Ges. Wien, 1862, 664, 17 ♀ (var.).
Camponotus redtenbacheri, Mayr, Verh. d. k.-k. zool.-bot. Ges.
Wien, 1862, 667, 25 ♀ (var.).
Camponotus rufoglaucus, Forel, Jour. Bomb. Nat. Hist. Soc. vii.
(1892), 237, 15 ; Emery, Ann. Soc. Ent. Fr. 1893, 252, 57.
Heneratagoda (*Yerbury coll.*).

7. CAMPONOTUS ANGUSTICOLLIS (Jerdon).

Formica angusticollis, Jerd. Madr. Jour. Lit. & Sci. 1851, 120.
Formica gigas, Smith (nec Latr.), Cat. Hym. Ins. B. M. vi.
14, 45.
Formica ardens, Smith, Cat. Hym. Ins. B. M. vi. 17, 62 ♀.
Formica impetuosa, Smith, Cat. Hym. Ins. B. M. vi. 18, 63.
Camponotus prismaticus, Mayr, Verh. d. k.-k. zool.-bot. Ges.
Wien, 1862, 669, 30 ♀.
Camponotus angusticollis, Wroughton, Jour. Bomb. Nat. Hist.
Soc. vii. 32, 10 ; Forel, idem, 235, 12 ; Emery, Ann. Soc. Ent.
Fr. 1893, 250, 51.
Hinaduma (Yerbury coll.).

8. CAMPONOTUS SIMONI, Emery.

Camponotus simoni, Emery, Ann. Soc. Ent. Fr. 1893, 250, 51 ♀.
Cottawa.

9. CAMPONOTUS ALBIPES, Emery.

Camponotus albipes, Emery, Ann. Soc. Ent. Fr. 1893, 253, 60 ♀.
Kandy.

10. CAMPONOTUS MACULATUS (Fabricius).

Formica maculata, Fabr. Spec. Ins. i. 491, 15; Ent. Syst. ii. 356, 25; Syst. Piez. 403, 29; Oliv. Encycl. Méth. vi. 495, 22; Latr. Hist. Nat. Fourm. 283; Lepel. Hym. i. 215, 19; Smith, Cat. Hym. Ins. B. M. vi. 28, 96.

Formica cognata, Smith, Cat. Hym. Ins. B. M. vi. 35, 117.

Camponotus maculatus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 654, 1; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 30-32; Forel, idem, 240, 21; Emery, Ann. Soc. Ent. Fr. 1893, 251, 53.

Forel includes under the above, which is typically an African species, a group of races of which the following have been recorded from Ceylon:—

a. CAMPONOTUS COMPRESSUS (Fabricius).

Formica compressa, Fabr. Mant. Ins. i. 307, 2 ♀; Ent. Syst. ii. 350, 2; Syst. Piez. 396, 2; Oliv. Encycl. Méth. vi. 491; Latr. Hist. Nat. Fourm. 111; Lepel. Hym. i. 214, 17; Smith, Cat. Hym. Ins. B. M. vi. 13, 44 ♀ ♂; Jour. Linn. Soc. xi. (1867), 303, 3.

Formica indefessa, Sykes, Trans. Ent. Soc. i. (1836), 104, pl. 13. f. 6.

Formica callida, Smith, Cat. Hym. Ins. B. M. vi. 18, 64; Jour. Linn. Soc. xi. (1867), 304, 19.

Camponotus quadrilaterus, Roger, Berl. ent. Zeitschr. 1863, 136, 6 ♀.

Camponotus compressus, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 30, 1; Forel, idem, 240.

Trincomalee (*Yerbury coll.*).

b. CAMPONOTUS TAYLORI, Forel.

Camponotus taylori, Forel, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 241.

Nuwara Eliya (*Yerbury coll.*).

c. CAMPONOTUS INFUSCUS, Forel.

Camponotus infuscus, Forel, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 242; Emery, Ann. Soc. Ent. Fr. 1893, 252, 56.

Nuwara Eliya.

d. CAMPONOTUS MITIS (Smith).

Formica mitis, Smith, Cat. Hym. Ins. B. M. vi. 20, 69 ♀; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. des Nat. Mosc. 1863, 11; Smith, Jour. Linn. Soc. xi. (1867), 304, 24.

Formica timida, Jerd. (neo Forst.), Madr. Jour. Lit. & Sci. 1851, 122.

Formica variegata, Smith, Cat. Hym. Ins. B. M. vi. 19, 68 ♀.

Formica ventralis, Smith, Cat. Hym. Ins. B. M. vi. 20, 70.

Camponotus agnatus, Roger, Berl. ent. Zeitschr. 1863, 137, 8 ♂.

Camponotus mitis, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 31, 3; Forel, idem, 242; Emery, Ann. Soc. Ent. Fr. 1893, 252, 54 & 55.

Trincomalee, Huldamura (*Yerbury coll.*).

Forel notes four varieties of *C. mitis* from Ceylon:—

C. mitis, Smith (sens. str.).

C. bacchus, Smith, Cat. Hym. Ins. B. M. vi. 21, 71.

C. fuscithorax, Forel, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 230; Emery, Ann. Soc. Ent. Fr. 1893, 252, 54.

C. dulcis, Emery, Ann. d. Mus. Civ. di Stor. Nat. Genova, ser. 2, vii. (1889), 511, 72.

e. CAMPONOTUS THRASO, Forel.

Camponotus thraso, Forel, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 432.

Trincomalee (*Yerbury coll.*).

The following species, somewhat insufficiently described by Walker in the 'Annals and Magazine of Natural History,' 3rd series, vol. iv. (1859), pp. 370-375, and by Motschoulsky in the 'Bulletin de la Société Impériale des Naturalistes,' Moscow, 1863, pp. 11-14, are not noticed by either Forel or Emery:—

- | | | | | | |
|-----|---------|----------------|------------------|----------|------|
| 11. | FORMICA | LATEBROSA, | Walker, | l. c. p. | 371. |
| 12. | " | PANGENS, | " | " | 371. |
| 13. | " | DETORQUENS, | " | " | 372. |
| 14. | " | DIFFIDENS, | " | " | 372. |
| 15. | " | CONSULTANS, | " | " | 373. |
| 16. | " | INDEFLEXA, | " | " | 373. |
| 17. | " | PYRRHOCEPHALA, | Motsch. l. c. p. | 11. | |
| 18. | " | FUSCIAUDA, | " | " | 12. |
| 19. | " | SUBPICRA, | " | " | 12. |

Genus POLYRACHIS, Schuckard.

20. POLYRACHIS SCISSA (Roger).

Hemioptica scissa, Roger, Berl. ent. Zeitschr. 1862, 240, pl. 1. f. 12 ♀ ♂; Smith, Jour. Linn. Soc. xi. (1867), 318, 1; Emery, Ann. Soc. Ent. Fr. 1893, 255, 70.

Polyrachis scissa, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 27, 1 ♂.

Hinaduna (*Yerbury coll.*).

21. POLYRACHIS ACULEATA, Mayr.

Polyrachis aculeata, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1878, 657 ♀; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 28, 2 ♀ ♂.

Trincomalee (*Yerbury coll.*).

22. POLYRACHIS ARGENTEA, Mayr.

Polyrachis argenteus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 682, 9 ♂; Smith, Jour. Linn. Soc. xi. (1867), 317, 113.

Polyrachis argentea, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 37, 29; Emery, Ann. Soc. Ent. Fr. 1893, 254, 66 ♀; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 34, 43 ♀ ♂.

Kandy.

23. POLYRACHIS JERDONII, Forel.

Polyrachis jerdonii, Forel, Neujahrsblatt der naturf. Ges. Zurich, 1893, 17 (footnote); Jour. Bomb. Nat. Hist. Soc. viii. (1893), 28, 4 ♀.

Trincomalee (*Yerbury coll.*).

24. POLYRACHIS FRAUENFELDI, Mayr.

Polyrachis frauenfeldi, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 687, 22 ♂; Smith, Jour. Linn. Soc. xi. (1867), 317, 120; Forel, Jour. Bombay Nat. Hist. Soc. viii. (1893), 28, 7.

25. POLYRACHIS THRINAX, Roger.

Polyrachis thrinax, Roger, Berl. ent. Zeitschr. 1863, 152, 29 ♂; Smith, Jour. Linn. Soc. xi. (1867), 316, 105; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 39, 35; Forel, idem, viii. (1893), 28, 9 ♀ ♂; Emery, Ann. Soc. Ent. Fr. 1893, 254, 63.

Hinarub Goda (*Yerbury coll.*).

26. POLYRACHIS CLYPEATA, Mayr.

Polyrachis clypeatus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 683, 12 ♀; Smith, Jour. Linn. Soc. xi. (1867), 317, 114.

Polyrachis clypeata, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 29, 11; Emery, Ann. Soc. Ent. Fr. 1893, 254, 62.

Colombo, Kandy.

27. POLYRACHIS PUNCTILLATA, Roger.

Polyrachis punctillata, Roger, Berl. ent. Zeitschr. 1863, 152, 30 ♀ ♀; Smith, Jour. Linn. Soc. xi. (1867), 316, 106; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 29, 12.

28. POLYRACHIS CONVEXA, Roger.

Polyrachis convexa, Roger, Berl. ent. Zeitschr. 1863, 153, 31 ♂; Smith, Jour. Linn. Soc. xi. (1867), 317, 107; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 29, 14.

29. POLYRACHIS MAYRI, Roger.

Polyrachis relucens, Mayr (nec Latr.), Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 685, 17.

Polyrachis mayri, Roger, Berl. ent. Zeitschr. 1863, 193, 7; Smith, Jour. Linn. Soc. xi. (1867), 318, 123; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 39, 37; Forel, idem, viii. (1893), 29, 17; Emery, Ann. Soc. Ent. Fr. 1893, 255, 69.

Kanthalai (*Yerbury coll.*).

30. POLYRACHIS YERBURYI, Forel.

Polyrachis yerburyi, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 29 ♂ ♀.

Kandy (*Yerbury coll.*).

31. POLYRACHIS RASTELLATA (Latreille).

Formica rastellata, Latr. Hist. Nat. Fourm. 130 ♀.

Polyrachis rastellata, Smith, Cat. Hym. Ins. B. M. vi. 59, 5; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 36, 23; Forel, idem, viii. (1893), 30, 21; Emery, Ann. Soc. Ent. Fr. 1893, 254, 64.

Polyrachis busiris, Smith, Jour. Linn. Soc. v. (1861), 98, 7 ♀, pl. i. f. 15; Jour. Linn. Soc. xi. (1867), 315, 82.

Polyrachis rastellatus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 688, 23; Smith, Jour. Linn. Soc. xi. (1867), 310, 5.

Polyrachis euryalus, Smith, Jour. Linn. Soc. xi. (1863), 16, 24 ♀; idem, xi. (1867), 316, 99.

Periyakulam (*Yerbury coll.*).

32. POLYRACHIS YPSILON, Emery.

Polyrachis ypsilon, Emery, Ann. d. Mus. Civ. di Stor. Nat. Genova, ser. 2, iv. (1887), 239, 72; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 31, 24.

33. POLYRACHIS HIPFOMANES, Smith.

Polyrachis hippomanes, Smith, Jour. Linn. Soc. vi. (1862), 43, 21 ♂, pl. i. f. 20; id. xi. (1867), 315, 76; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 31, 26; Emery, Ann. Soc. Ent. Fr. 1893, 254, 67.

Kandy, Cottawa.

The subspecies found in Ceylon is *P. ceylonensis*, Emery.

34. POLYRACHIS ŒDIPUS, Forel.

Polyrachis œdipus, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 31, 29 ♂; Emery, Ann. Soc. Ent. Fr. 1893, 255, 68.

Kandy (*Yerbury coll.*).

35. POLYRACHIS RUFICAPRA, Roger.

Polyrachis ruficapra, Roger, Berl. ent. Zeitschr. 1863, 154,

32 ♀ ♀ ; Smith, Jour. Linn. Soc. xi. (1867), 317, 109 ; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 33, 36.

36. POLYRACHIS SIMPLEX, Mayr.

Polyrachis simplex, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 682, 11 ♀ ; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 34, 39 ♀ .

Polyrachis spiniger, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1878, 653 ♂ ♂ .

Polyrachis spinigera, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 37, 30 ; Emery, Ann. Soc. Ent. Fr. 1893, 254, 65.

Trincomalee (*Yerbury coll.*) ; Kandy.

37. POLYRACHIS DIVES, Smith.

Polyrachis dives, Smith, Cat. Hym. Ins. B. M. vi. 68, 10 ♂ , pl. iv. f. 32, 33 ; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 682, 10 ; Smith, Jour. Linn. Soc. xi. (1867), 311, 10 ; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 36, 28 ; Forel, idem, viii. (1893), 34, 41.

Hot wells, Kandy (*Yerbury coll.*).

38. POLYRACHIS EXERCITA (Walker).

Formica exercita, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 370.

Polyrachis exercita, Smith, Jour. Linn. Soc. xi. (1867), 318, 125.

39. POLYRACHIS ILLAUDATUS, Walker.

Polyrachis illaudatus, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 373 ; Smith, Jour. Linn. Soc. xi. (1867), 318, 124.

40. POLYRACHIS NIGER, Mayr.

Polyrachis niger, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 683, 13 ♀ ; Smith, Jour. Linn. Soc. xi. (1867), 317, 115.

Genus CECOPHYLLA, Smith.

41. CECOPHYLLA SMARAGDINA (Fabricius).

Formica smaragdina, Fabr. Spec. Ins. i. 488, 2 ♀ ; Mant. i. 307, 3 ; Ent. Syst. ii. 350, 3 ; Syst. Piez. 397, 4 ; Latr. Hist. Nat. Fourm. 176, pl. iii. f. 18 ; Lepel. Hym. i. 218, 25 ; Smith, Cat. Hym. Ins. B. M. vi. 17, 61 ; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454.

Formica virescens, Fabr. Syst. Ent. 392, 9 ♂ ; Spec. Ins. i. 490, 13 ; Mant. Ins. i. 308, 16 ; Ent. Syst. ii. 355, 23 ; Smith, Cat. Hym. Ins. B. M. vi. 29, 97, pl. iii. 24-27.

Formica longinoda, Latr. Hist. Nat. Fourm. 184 ♂ .

Lasius virescens, Fabr. Syst. Piez. 417, 8.

Formica macra, Guér. Voy. Coq., Zool. ii. 202, Atlas, t. 8. ff. 1, 1 a, 1 b.

Formica zonata, Guér. Voy. Coq., Zool. ii. 205 ♀.

Formica viridis, Kirby, Trans. Linn. Soc. xii. 477 ♀.

Ecophylla smaragdina, Smith, Jour. Linn. Soc. v. (1861), 102, 1; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 695, 1; Smith, Jour. Linn. Soc. xi. (1867), 319, 1; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 39, 41; Forel, idem, viii. (1893), 400; Emery, Ann. Soc. Ent. Fr. 1893, 250.

Ecophylla virescens, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 695, 2.

Trincomalee (*Yerbury coll.*); Pundaloya (*Green coll.*); Kandy; Colombo; Nawalapitiya.

Fabricius's 'Systema Entomologiæ, sistens Insectorum Classes, Ordines, Genera, Species etc.,' in which the name "*virescens*" for the African species is published, bears date 1775; his 'Species Insectorum,' in which the Asiatic species is described as "*smaragdina*," is dated 1781, so that as the African and Asiatic species are now considered identical, the name "*virescens*" has priority; but as our Indian red ant is so well known under the name "*smaragdina*," it has been considered, apparently by both Forel and Emery, not advisable to change the specific denomination.

Genus PRENOLEPIS, Mayr.

42. PRENOLEPIS LONGICORNIS (Latreille).

Formica longicornis, Latr. Hist. Nat. Fourm. 113 ♂; Smith, Cat. Hym. Ins. B. M. vi. 31, 104.

Formica vagans, Jerd. Madr. Jour. Lit. & Sci. 1851, 124 ♀ ♂; Ann. & Mag. Nat. Hist. ser. 2, xiii. (1854), 106, 39; Smith, Cat. Hym. Ins. B. M. vi. 17, 59; Jour. Linn. Soc. xi. (1867), 303, 15.

Formica gracilescens, Nyl. Ann. Sci. Nat. v. (1856), 73.

Tapinoma gracilescens, Smith, Cat. Hym. Ins. B. M. vi. 56, 4.

Paratrechina vagabunda, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 13; Smith, Jour. Linn. Soc. xi. (1867), 309.

Prenolepis gracilescens, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 698, 4 (Novara Exp. Ceylon).

Prenolepis longicornis, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 408, 1 ♀ ♂; Emery, Ann. Soc. Ent. Fr. 1893, 250, 49.

Trincomalee (*Yerbury coll.*); Galle; Colombo.

43. PRENOLEPIS YERBURYI, Forel.

Prenolepis yerburyi, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 409, 3 ♀ ♂; Emery, Ann. Soc. Ent. Fr. 1893, 250, 50.

Nuwara Eliya (*Yerbury coll.*).

44. PRENOLEPIS INDICA, Forel.

Prenolepis indica, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 409, 4 ♀ ♂.

Trincomalee (*Yerbury coll.*).

Genus ACANTHOLEPIS, Mayr.

45. ACANTHOLEPIS CAPENSIS, Mayr.

Acantholepis capensis, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 699, 1 ♀; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 414, 2.

46. ACANTHOLEPIS LUNARIS, Emery.

Acantholepis lunaris, Emery, Ann. Soc. Ent. Fr. 1893, 250, 47 ♀. Colombo.

Genus PLAGIOLEPIS, Mayr.

47. PLAGIOLEPIS LONGIPES (Jerdon).

Formica longipes, Jerd. Madr. Jour. Lit. & Sci. 1851, 122; Smith, Cat. Hym. Ins. B. M. vi. 19, 67; Jour. Linn. Soc. xi. 1867, 304, 22.

Formica trifasciata, Smith, Cat. Hym. Ins. B. M. vi. 27, 92 ♀; Jour. Linn. Soc. xi. (1867), 306, 46.

Prenolepis gracilipes, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 695, 5.

Plagiolepis longipes, Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 415, 1; Emery, Ann. Soc. Ent. Fr. 1893, 250, 46.

Kandy; Galle; Matalle.

48. PLAGIOLEPIS PISSINA, Roger.

Plagiolepis pissina, Roger, Berl. ent. Zeitschr. 1863, 162, 45 ♂; Smith, Jour. Linn. Soc. xi. (1867), 318, 1; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 417, 5.

Genus ACROPYGA, Roger.

49. ACROPYGA ACUTIVENTRIS, Roger.

Acropyga acutiventris, Roger, Berl. ent. Zeitschr. 1863, 243 ♀ ♂; Smith, Jour. Linn. Soc. xi. (1867), 319, 1; Forel, Jour. Bomb. Nat. Hist. Soc. viii. (1893), 418.

Plagiolepis flava, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 699, 1 ♀ ♂.

Anavadhupur (*Yerbury coll.*).

Genus ANEURETUS, Emery.

50. ANEURETUS SIMONI, Emery.

Aneuretus simoni, Emery, Ann. Soc. Ent. Fr. 1893, 242, 4 ♀; Forel, Jour. Bomb. Nat. Hist. Soc. ix. (1894), 462 ♀.

Genus DOLICHODERUS, Sund.

51. DOLICHODERUS TAPROBANÆ (Smith).

Formica taprobanæ, Smith, Cat. Hym. Ins. B. M. vi. 13, 43 ♀;

Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. 1863, 11; Smith, Jour. Linn. Soc. xi. (1867), 303, 2, *Hypoclinea gracilipes*, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, (1879), 658 ♂.

Dolichoderus taprobanae, Forel, Jour. Bomb. Nat. Hist. Soc. ix. (1894), 466, 8.

Trincomalee (*Yerbury coll.*).

52. *DOLICHODERUS GRACILIS* (Motschoulsky).

Hypoclinea gracilis, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 14 ♀.

Dolichoderus gracilis, Emery, Ann. Soc. Ent. Fr. 1893, 249, 42.

Genus TECHNOMYRMEX, Mayr.

53. *TECHNOMYRMEX ALBIPES* (Smith).

Tapinoma albipes, Smith, Jour. Linn. Soc. vi. (1862), 38, 9 ♂; id. xi. (1867), 310, 6.

Tapinoma albitarse, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 14; Smith, Jour. Linn. Soc. xi. (1867), 310, 7.

Tapinoma nigrum; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 703, 1 ♀.

Technomyrmex albipes, Emery, Ann. Soc. Ent. Fr. 1893, 249, 44; Forel, Jour. Bomb. Nat. Hist. Soc. ix. (1894), 466, 1 ♀.

Trincomalee (*Yerbury coll.*).

54. *TECHNOMYRMEX BICOLOR*, Emery.

Technomyrmex bicolor, Emery, Ann. Soc. Ent. Fr. 1893, 249, 45 ♀; Forel, Jour. Bomb. Nat. Hist. Soc. ix. (1894), 467.

Genus IRIDOMYRMEX, Mayr.

55. *IRIDOMYRMEX ANCEPS* (Roger).

Formica anceps, Roger, Berl. ent. Zeitschr. 1863, 164, 50 ♀; Smith, Jour. Linn. Soc. xi. (1867), 307, 64.

Iridomyrmex anceps, Forel, Jour. Bomb. Nat. Hist. Soc. ix. (1894), 469, 4.

Genus BOTHRIOMYRMEX, Emery.

56. *BOTHRIOMYRMEX WROUGHTONII*, Forel.

Bothriomyrmex wroughtonii, Forel, Jour. Bomb. Nat. Hist. Soc. ix. (1894), 470, 1 ♀ ♂.

Trincomalee (*Yerbury coll.*).

Genus TAFINOMA, Foerst.

57. *TAFINOMA MELANOCEPHALUM* (Fabricius).

Formica melanocephala, Fabr. Ent. Syst. ii. 353, 13; Latr. Hist. Nat. Fourm. 269; Smith, Cat. Hym. Ins. B. M. vi. 46, 152.

Formica nana, Jerd. (nec Smith), Madr. Jour. Lit. & Sci. (1851), 125; Ann. & Mag. Nat. Hist. ser. 2, xiii. (1854), 108, 44; Smith, Cat. Hym. Ins. B. M. vi. 15, 52; Jour. Linn. Soc. xi. (1867), 303, 10.

Myrmica pellucida, Smith, Cat. Hym. Ins. B. M. vi. 124, 41 ♀; Jour. Linn. Soc. xi. (1867), 324, 2.

Formica familiaris, Smith, Jour. Linn. Soc. v. (1861), 68, 4 ♀; id. xi. (1867), 307, 76.

Tapinoma melanocephalum, Emery, Ann. Soc. Ent. Fr. 1893, 249, 43; Forel, Jour. Bomb. Nat. Hist. Soc. ix. (1894), 472, 1.

Trincomalee (*Yerbury coll.*).

The following species recorded from Ceylon has not as yet been noticed by Forel (*loc. cit.*):—

58. TAPINOMA ? (FORMICA ?) OBSOURANS, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 372.

Genus ODONTOMACHUS, Latreille.

59. ODONTOMACHUS HÆMATODES (Linnæus).

Formica hematodes, Linn. Syst. Nat. i. 965, 17 ♀; Fabr. Ent. Syst. ii. 364, 29; Latr. Hist. Nat. Fourm. 192.

Formica navillosa, De Geer, Ins. iii. 601, pl. 31. ff. 3, 4, 5 ♀.

Myrmica unispinosa, Fabr. Ent. Syst. ii. 359, 39.

Myrmecia hematodes, Fabr. Syst. Piez. 425, 7.

Myrmecia unispinosa, Fabr. Syst. Piez. 423, 1.

Odontomachus hematodes, Latr. Gen. Crust. et Ins. iv. 128 ♀; Smith, Cat. Hym. Ins. vi. 76, 1; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 51, 74; Emery, Ann. Soc. Ent. Fr. 1893, 243, 15.

Odontomachus simillimus, Smith, Cat. Hym. Ins. B. M. vi. 80, 11 ♀; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 15; Smith, Jour. Linn. Soc. xi. (1867), 319, 4.

Colombo (*Yerbury coll.*); Kandy, Nuwara Eliya.

Genus ANOCHETUS, Mayr.

60. ANOCHETUS YERBURYI, Forel (MS.).

Anochetus yerburyi, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 53, 79.

Genus BOTHROPONERA, Mayr.

61. BOTHROPONERA RUFIPES (Jerdon).

Ponera rufipes, Jerd. Madr. Jour. Lit. & Sci. 1851, 119.

Pachychondyla rufipes, Smith, Cat. Hym. Ins. B. M. vi. 106, 4 ♀.

Trincomalee (*Yerbury coll.*); Pundaloya (*Green coll.*).

62. *BOTHROPONERA TESSEERINODA* (Emery).

Ponera tesserinoda, Emery, Ann. d. Mus. Civ. di Stor. Nat. Genova, 1876-77, 368; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1879, 661; Emery, Ann. Soc. Ent. Fr. 1893, 242, 6.

Trincomalee (*Ferbury coll.*); Kandy.

Genus *DIACAMMA*, Mayr.63. *DIACAMMA VAGANS* (Smith).

Ponera vagans, Smith, Jour. Linn. Soc. v. (1861), 103, 3; id. xi. (1867), 323, 42; Roger, Berl. ent. Zeitschr. 1860, 304, 29 ♀.

Diacamma vagans, Roger, Berl. ent. Zeitschr. 1863, 16, 482; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892) 54, 86.

Haycock Hill (*Ferbury coll.*).

64. *DIACAMMA GEOMETRICA* (Smith).

Ponera geometrica, Smith, Cat. Hym. Ins. B. M. vi. 86, 14 ♀; Jour. Linn. Soc. xi. (1867), 321, 11.

Diacamma geometrica, Roger, Berl. ent. Zeitschr. 1860, 301, 26.
Diacamma geometricum, Emery, Ann. Soc. Ent. Fr. 1893, 242, 5.
Colombo.

Genus *PONERA*, Latreille.65. *PONERA (SYSCIA) TYPHLA* (Roger).

Syscia typhla, Roger, Berl. ent. Zeitschr. 1860, 20, 75 ♀.

Ponera typhla, Smith, Jour. Linn. Soc. xi. (1867), 322, 25.

66. *PONERA (MYIOPIAS) AMBLYOPS* (Roger).

Myopias amblyops, Roger, Berl. ent. Zeitschr. 1860, 39, 120 ♀.

Ponera amblyops, Smith, Jour. Linn. Soc. xi. (1867), 322, 26.

67. *PONERA (LEPTOGENYS) FALCIGERA* (Roger).

Leptogenys falcigera, Roger, Berl. ent. Zeitschr. 1860, 42, 122 ♀.

Ponera falcigera, Smith, Jour. Linn. Soc. xi. (1867), 322, 27.

Trincomalee (*Ferbury coll.*).

68. *PONERA EXUNDANS* (Walker).

Formica exundans, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 371 ♂; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 11.

Ponera exundans, Smith, Jour. Linn. Soc. xi. (1867), 323, 51.

69. *PONERA MERITANS* (Walker).

Formica meritans, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 371 ♂.

Ponera meritans, Smith, Jour. Linn. Soc. xi. (1867), 323, 52.

70. *PONERA ARANEOIDES*, Le Guillou.

Ponera araneoides, Le Guillou, Ann. Soc. Ent. Fr. x. (1841), 317, 13; Smith, Jour. Linn. Soc. xi. (1867), 323, 50.

Ectatomma rugosa, Smith, Jour. Linn. Soc. iii. (1859), 143, 1 ♀ ♂.

71. *PONERA COXALIS*, Smith.

Ponera rugosa, Smith (nec Le Guillou), Cat. Hym. Ins. B. M. vi. 88, 20 ♀.

Ponera coxalis, Roger, Berl. ent. Zeitschr. 1860, 308, 43 ♀; Smith, Jour. Linn. Soc. xi. (1867), 321, 17.

72. *PONERA LUTEIPES*, Mayr.

Ponera luteipes, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien (1862), 722, 4 ♀ ♀; Emery, Ann. Soc. Ent. Fr. 1893, 242, 8.

Kandy (*Yerbury coll.*).

73. *PONERA MELANARIA*, Emery.

Ponera melanaria, Emery, Ann. Soc. Ent. Fr. 1893, 260 (footnote); id. ibid. 242, 7.

Colombo.

74. *PONERA PUNCTATISSIMA*, Roger.

Ponera punctatissima, Roger, Berl. ent. Zeitschr. 1859, 246; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1878, 663; Emery, Ann. Soc. Ent. Fr. 1893, 242, 9.

Ponera simillima, Smith, Jour. Linn. Soc. v. (1861), 104, 5 ♀.

Kandy.

75. *PONERA GLEADOWI*, Forel (MS.).

Ponera gleadowi, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 55, 91; Emery, Ann. Soc. Ent. Fr. 1893, 242, 10.

Matale.

Genus *DREPANOGNATHUS*, Smith.76. *DREPANOGNATHUS CRUENTATUS*, Smith.

Drepanognathus cruentatus, Smith, Cat. Hym. Ins. B. M. vi. 82, 2.

Harpegnathus cruentatus, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 56, 93.

Kandy road (*Yerbury coll.*).

Genus *LOBOPELTA*, Mayr.77. *LOBOPELTA DIMINUTA* (Smith).

Ponera diminuta, Smith, Cat. Hym. Ins. B. M. vi. 89, 23; Jour. Linn. Soc. xi. (1867), 321, 21.

Lobopelta diminuta, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien,

1863, 734, 1; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 58, 96; Emery, Ann. Soc. Ent. Fr. 1893, 243, 13.

Kandy (*Yerbury coll.*).

78. LOBOPELTA CHINENSIS, Mayr.

Lobopelta chinensis, Mayr. Verh. d. k.-k. zool.-bot. Ges. Wien, 1870, 965 ♂; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 57, 95; Emery, Ann. Soc. Ent. Fr. 1893, 242, 11.

Andankubam (*Yerbury coll.*).

79. LOBOPELTA YERBURYI, Forel.

Lobopelta yerburyi (Forel in MS. teste Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 58, 98).

Kandy road (*Yerbury coll.*).

80. LOBOPELTA OCELLIFERA (Roger).

Ponifera ocellifera, Roger, Berl. ent. Zeitschr. 1861, 13 ♀; Smith, Jour. Linn. Soc. xi. (1867), 322, 24.

Lobopelta ocellifera, Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. u. Art. 19, 535; Emery, Ann. Soc. Ent. Fr. 1893, 243, 14.

Lobopelta distinguenda, Emery, Ann. d. Mus. di Civ. Stor. Nat. Genova, ser. 2, v. (1887-88), 430, 127 ♀.

Kandy, Trincomalee (*Yerbury coll.*).

81. LOBOPELTA PEUQUËTI, André.

Lobopelta peuqueti, André, Rev. Ent. vi. (1887), 292; Emery, Ann. Soc. Ent. Fr. 1893, 243, 15.

Kandy.

Genus MYOPOPONE, Roger.

82. MYOPOPONE MACULATA, Roger.

Myopopone maculata, Roger, Berl. ent. Zeitschr. 1861, 52 ♀ ♀; Emery, Ann. Soc. Ent. Fr. 1893, 240, 1.

Cottawa.

Genus CENTROMYRMEX, Mayr.

83. CENTROMYRMEX FEÆ (Emery).

Spalacomyrmeæ feæ, Emery, Ann. d. Mus. Civ. di Stor. Nat. Genova, ser. 2, vii. (1889), 491 7 ♀; Ann. Soc. Ent. Fr. 1893, 240, 2.

Paradeniya (*Yerbury coll.*); Kandy.

Genus OOCERÆA, Roger.

84. OOCERÆA FRAGOSA, Roger.

Ooceraea fragosa, Roger, Berl. ent. Zeitschr. 1862, 249, t. i 16a ♀; Smith, Jour. Linn. Soc. xi. (1867), 324, 1.

Genus CRYPTOPONE, Emery.

85. CRYPTOPONE TESTACEA (Motschoulsky).

Amblyopone testacea, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 15 ♀; Smith, Jour. Linn. Soc. xi. (1867) 324, 2.

Cryptopone testacea, Emery, Ann. Soc. Ent. Fr. 1893, 240, 3 ♂.
Nawalapitiya.

Genus DORYLUS, Shuckard.

86. DORYLUS CURTSII, Shuckard.

Typhlopone curtsii, Shuck. Ann. & Mag. Nat. Hist. ser. 1, v. (1840), 265 ♂; Smith, Cat. Hym. Ins. B. M. vi. 112, 11; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 15.

87. DORYLUS ORIENTALIS, Westwood.

Dorylus orientalis, Westw. Proc. Zool. Soc. 1835, 72; Shuck. Ann. & Mag. Nat. Hist. ser. 1, v. (1840), 320, 7; Westw. Arc. Ent. i. 80, 7; Smith, Cat. Hym. Ins. B. M. vii. 3, 8; Jour. Linn. Soc. xi. (1867), 335, 2.

Pundaloya (*Green coll.*).

Genus ÆNICIUS, Shuckard.

88. ÆNICIUS POROZONOIDES, Walker.

Ænicus porozonoides, Walk. Ann. & Mag. Nat. Hist. ser. 3, v. (1860), 306 ♂; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Smith, Jour. Linn. Soc. xi. (1867), 336, 5.

89. ÆNICIUS CEYLONICUS (Mayr).

Typhlatta ceylonica, Mayr, Sitzungsber. d. k. Akad. d. Wissensch. 1866, 22 ♂.

90. ÆNICIUS BENGALENSIS (Mayr).

Typhlatta bengalensis, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1878, 669 ♂; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 177, 115.

Colombo (*Rothney coll.*).

Genus CATAULACUS, Smith.

91. CATAULACUS TAPROBANÆ, Smith.

Cataulacus taprobanae, Smith, Trans. Ent. Soc. ser. 2, ii. (1853), 225, 1, pl. xx. f. 10 ♂; Cat. Hym. Ins. B. M. vi. 195, 1; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 21; Smith, Jour. Linn. Soc. xi. (1867), 335, 4;

Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 178, 122; Emery, Ann. Soc. Ent. Fr. 1893, 248, 38.

Colombo (*Rothney coll.*); Belangoda (*Yerbury coll.*); Pundaloya (*Green coll.*); Kandy.

92. *CATAULACUS SIMONI*, Emery.

Cataulacus simoni, Emery, Ann. Soc. Ent. Fr. 1893, 248, 39 ♀.
Kandy, Colombo.

Genus *MERANOPLUS*, Smith.

93. *MERANOPLUS BICOLOR* (Guérin).

Cryptocerus bicolor, Guér. Icon. Règ. Anim. 425.

Meranoplus bicolor, Smith, Trans. Ent. Soc. ser. 2, ii. (1853), 224, 1; Cat. Hym. Ins. B. M. vi. 193, 2; Jour. Linn. Soc. xi. (1867), 334, 4; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 179, 123; Emery, Ann. Soc. Ent. Fr. 1893, 248, 37.

Meranoplus villosus, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1859, 115; id. *ibid.* 1863, 21.

Meranoplus dimicans, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 375.

Kandy (*Yerbury coll.*); Galle; Colombo; Cottawa.

Genus *HOLCOMYRMEX*, Mayr.

94. *HOLCOMYRMEX CRINIOEPS*, Mayr.

Holcomyrmea criniceps, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1878, 672 ♀; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 181, 126.

Trincomalee (*Yerbury coll.*).

Genus *MYRMICARIA*, Saunders.

95. *MYRMICARIA SUBCARINATA* (Smith).

Heptacondylus subcarinata, Smith, Jour. Linn. Soc. ii. (1858), 73, 2; Cat. Hym. Ins. B. M. vi. 142, 1; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1863, 756, 3.

Myrmicaria subcarinata, Smith, Jour. Linn. Soc. xi. (1867), 330, 4; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 183, 134.

Kandy (*Yerbury coll.*).

96. *MYRMICARIA BRUNNEA*, Saunders.

Myrmicaria brunnea, Saund. Trans. Ent. Soc. iii. (1841), 57, pl. v. f. 2 ♂; Smith, Cat. Hym. Ins. B. M. vi. 141, 1, pl. x. ff. 6, 7, 8; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1863, 757, 1.

97. *MYRMICARIA FODIENS* (Jerdon).

▮ *Myrmica fodiens*, Jerd. Ann. & Mag. Nat. Hist. 1854, xiii. p. 55.

Myrmicaria fodiens, Emery, Ann. Soc. Ent. Fr. 1893, 249, 41.

Kandy.

Genus TETRAMORIUM, Mayr.

98. TETRAMORIUM TRANSVERSARIUM, Roger.

Tetramorium transversarium, Roger, Berl. ent. Zeitschr. 1863, 181, 73 ♂; Emery, Ann. Soc. Ent. Fr. 1893, 246, 31.

Nuwara Eliya.

99. TETRAMORIUM PACIFICUM, Mayr.

Tetramorium pacificum, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1870, 38 ♂ ♀; Emery, Ann. Soc. Ent. Fr. 1893, 246, 32. Colombo, Kandy.

100. TETRAMORIUM (XIPHOMYRMEX) TORTUOSUM, Roger.

Tetramorium tortuosum, Roger, Berl. ent. Zeitschr. 1863, 181, 72 ♂ ♀; Emery, Ann. Soc. Ent. Fr. 1893, 246, 33.

Kandy (*Yerbury coll.*).

101. TETRAMORIUM (XIPHOMYRMEX) PILOSUM, Emery.

Tetramorium (Xiphomyrmex) pilosum, Emery, Ann. Soc. Ent. Fr. 1893, 247, 34 ♂.

Kandy.

Genus MONOMORIUM, Mayr.

102. MONOMORIUM VASTATOR (Smith).

Myrmica vastator, Smith, Jour. Linn. Soc. ii. (1858), 71, 3 ♂; id. ibid. xi. (1867), 325, 4.

Monomorium vastator, Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 186, 143.

Trincomalee (*Yerbury coll.*).

103. MONOMORIUM SPECULARE, Mayr.

Monomorium speculare, Mayr, Sitz. d. k. Akad. Wissen. 1866, 26 ♂; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 187, 149.

Trincomalee (*Yerbury coll.*).

104. MONOMORIUM GLYCIHILUM (Smith).

Myrmica glyciophila, Smith, Cat. Hym. Ins. B. M. vi. 125, 45 ♂; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 15; Smith, Jour. Linn. Soc. xi. (1867), 327, 39.

Monomorium glyciophilum, Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. u. Art. 32, 876.

105. MONOMORIUM DESTRUCTOR (Jerdon).

Atta destructor, Jerd. Madr. Jour. Lit. & Sci. 1851, 105 ♀; Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. u. Art. 34, 871.

Monomorium destructor, Emery, Ann. Soc. Ent. Fr. 1893, 243.

Colombo.

106. MONOMORIUM LATINODE, Mayr.

Monomorium latinode, Mayr, Ann. d. Mus. Civ. di Stor. Nat. Genova, ser. ii. (1872), 152, 54 ♂; Emery, Ann. Soc. Ent. Fr. 1893, 243, 19.

Kandy.

Genus LOPHOMYRMEX, Emery.

107. LOPHOMYRMEX QUADRISPINOSUS (Jerdon).

Ecodoma quadrispinosa, Jerd. Madr. Jour. Lit. & Sci. 1851, 111; Ann. & Mag. Nat. Hist. ser. 2, xiii. (1854), 52.

Pheidole quadrispinosa, Smith, Cat. Hym. Ins. B. M. vi. 174, 9; Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. n. Art. 31, 841; Smith, Jour. Linn. Soc. xi. (1867), 331, 7.

Lophomyrmex quadrispinosus, Emery, Ann. Soc. Ent. Fr. 1893, 243, 20.

Kandy.

Genus TRIGLYPHOTHRIX, Forel.

108. TRIGLYPHOTHRIX WALSHI, Forel.

Triglyphothrix walshi, Forel, Jour. Bomb. Nat. Hist. Soc. v. (1890), 396 ♂ ♀; Emery, Ann. Soc. Ent. Fr. 1893, 248, 33.

Nawalapitiya.

109. TRIGLYPHOTHRIX OBESUM (André).

Tetramorium obesum, André, Rev. Ent. vi. (1887), 294.

Triglyphothrix obesum, Emery, Ann. Soc. Ent. Fr. 1893, 248, 34

Kandy.

Genus ACANTHOMYRMEX, Emery.

110. ACANTHOMYRMEX LUCIOLÆ, Emery.

Acanthomyrmex luciola, Emery, Ann. Soc. Ent. Fr. 1893, 245, 30 ♂.

Kandy.

Genus SOLENOPSIS, Westwood.

111. SOLENOPSIS GEMINATA (Fabricius).

Atta geminata, Fabr. Syst. Piez. 423, 6.

Solenopsis mandibularis, Westw. Ann. & Mag. Nat. Hist. 1841, vi. 87 ♀.

Atta clypeata, Smith, Cat. Hym. Ins. B. M. vi. 169, 30.

Solenopsis cephalotes, Smith, Jour. Linn. Soc. iii. (1859), 149; id. ibid. xi. (1867), 333, 1.

Solenopsis geminata, Roger, Berl. ent. Zeitschr. 1862, 289; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 189, 160; Emery, Ann. Soc. Ent. Fr. 1893, 243, 23.

Kandy (Yerbury coll.); Colombo.

Genus STRUMIGENYS, Smith.

112. STRUMIGENYS LYROESSA (Roger).

Labidogenys lyroessa, Roger, Berl. ent. Zeitschr. 1862, 251, pl. i. f. 17 a ♀; Smith, Jour. Linn. Soc. xi. (1867), 334, 1.

113. STRUMIGENYS GODEFFROYI, Mayr.

Strumigenys godeffroyi, Mayr, Sitz. d. k. Akad. Wissen. 1866, 33 ♀; Emery, Ann. Soc. Ent. Fr. 1893, 249, 40.

Kandy.

Genus PHEIDOLOGETON, Mayr.

114. PHEIDOLOGETON DIVERSUS (Jerdon).

Ecodoma diversa, Jerd. Madr. Jour. Lit. & Sci. 1851, 109; Ann. & Mag. Nat. Hist. ser. 2, xiii. (1854), 51, 11.

Pheidole diversa, Smith, Cat. Hym. Ins. B. M. vi. 174, 6; Jour. Linn. Soc. xi. (1867), 331, 4.

Pheidologeton diversus, Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. u. Art. 30, 820; Emery, Ann. Soc. Ent. Fr. 1893, 249, 21.

Colombo; Ratgama-Kellei.

115. PHEIDOLOGETON LABORIOSUS (Smith).

Solenopsis laboriosa, Smith, Jour. Linn. Soc. vi. (1862), 48, 2 ♀; id. xi. (1867), 333, 3.

Pheidologeton laboriosus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1863, 750, 2; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 190, 163.

Kandy (*Yerbury coll.*).

116. PHEIDOLOGETON NANUS (Roger).

Pheidole nanus, Roger, Berl. ent. Zeitschr. 1863, 191, 84 ♀.

Pheidologeton nanus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1862, 442; Emery, Ann. Soc. Ent. Fr. 1893, 249, 22.

Kandy.

117. PHEIDOLOGETON SILENUS (Smith).

Pheidole silenus, Smith, Cat. Hym. Ins. B. M. vi. 176, 14 ♀; Jour. Linn. Soc. xi. (1867), 332, 12.

Pheidologeton silenus, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1863, 103, 3 ('Novara' expedition).

118. PHEIDOLOGETON TAPROBANÆ (Smith).

Pheidole taprobanæ, Smith, Cat. Hym. Ins. B. M. vi. 175, 12 ♀; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 21; Smith, Jour. Linn. Soc. xi. (1867), 331, 10.

Pheidologeton taprobanæ, Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. u. Art. 30, 823.

Genus PHEIDOLE, Westwood.

119. PHEIDOLE INDICA, Mayr.

Pheidole indica, Mayr. Verh. d. k.-k. zool.-bot. Ges. Wien, 1879, 679; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 194, 177.

Baddegama (*Yerbury coll.*).

120. PHEIDOLE RUGOSA, Smith.

Pheidole rugosa, Smith, Cat. Hym. Ins. B. M. vi. 175, 13 ♂; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 21; Smith, Jour. Linn. Soc. xi. (1867), 321, 11.

Kandy (*Yerbury coll.*).

121. PHEIDOLE JANUS, Smith.

Pheidole janus, Smith, Cat. Hym. Ins. B. M. vi. 175, 11 ♂, pl. ix. ff. 13-17; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 21; Smith, Jour. Linn. Soc. xi. (1867), 321, 9.

122. PHEIDOLE SULCATICEPS, Roger.

Pheidole sulcaticeps, Roger, Berl. ent. Zeitschr. 1863, 193, 85 ♂ ♀ ♂; Smith, Jour. Linn. Soc. xi. (1867), 332, 25; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1879, 675.

123. PHEIDOLE WOOD-MASONI, Forel.

Pheidole wood-masoni, Forel, Jour. Asiat. Soc. Beng. liv. (1887), pt. 2, 180, 22; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 195, 185; Emery, Ann. Soc. Ent. Fr. 1893, 243, 28.

Haragam near Kandy (*Yerbury coll.*); Matale.

124. PHEIDOLE LATINODA, Roger.

Pheidole latinoda, Roger, Berl. ent. Zeitschr. 1863, 195, 86 ♂; Smith, Jour. Linn. Soc. xi. (1867), 332, 26; Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1879, 675; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 191, 164; Emery, Ann. Soc. Ent. Fr. 1893, 243, 27.

Colombo.

125. PHEIDOLE DIDITA (Walker).

Atta didita, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 375; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Smith, Jour. Linn. Soc. xi. (1867), 333, 28.

126. PHEIDOLE MEGACEPHALA (Fabricius).

Formica megacephala, Fabr. Ent. Syst. ii. 361, 47; Latr. Hist. Nat. Fourm. 232, t. 10. f. 67; Coqueb. Illustr. i. t. vi. f. 9.

Orcotophora pusilla, Heer (Hausameisen Madeira's, ♀ ♀ ♂).

Myrmica trinodis, Los. Mem. Accad. Sci. Torino, 1834, t. 37, 327.
Myrmica levigata, Smith, Cat. Hym. Ins. B. M. vi. 121, 30.
Pheidole megacephala, Roger, Berl. ent. Zeitschr. 1863, Verz.
 Form.-Gatt. u. Art. 30, 829; Emery, Ann. Soc. Ent. Fr. 1893,
 243, 26.

Colombo, Kandy.

127. *PHEIDOLE PRONOTALIS*, Forel, MS.

Pheidole pronotalis, Emery, Ann. Soc. Ent. Fr. 244, 29.
 Kandy, Nuwara Eliya; Hakgala (*Yerbury coll.*).

128. *PHEIDOLE CEYLONICA* (Motschoulsky).

Orothophora ceylonica, Motsch. Bull. Soc. Imp. d. Nat. Mosc.
 1863, 18; Smith, Jour. Linn. Soc. xi. (1867), 333, 29.
 Nuwara Eliya.

Genus CREMASTOGASTER, Lund.

129. *CREMASTOGASTER RANSONNETI*, Mayr.

Cremastogaster ransonneti, Mayr, Verh. d. k.-k. zool.-bot. Ges.
 Wien, 1868, 287; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii.
 (1892), 196, 192; Emery, Ann. Soc. Ent. Fr. 1893, 243, 25.
 Nuwara Eliya (*Yerbury coll.*).

130. *CREMASTOGASTER SUBNUDA*, Mayr.

Cremastogaster subnuda, Mayr, Verh. d. k.-k. zool.-bot. Ges.
 Wien, 1879, 682 ♂; Wroughton, Jour. Bomb. Nat. Hist. Soc.
 vii. (1892), 197, 193.

Hakgala (*Yerbury coll.*).

131. *CREMASTOGASTER DOHRNI*, Mayr.

Cremastogaster dohrni, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien,
 1879, 682; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892),
 197, 196; Emery, Ann. Soc. Ent. Fr. 1893, 243, 24.
 Trincomalee (*Yerbury coll.*).

132. *CREMASTOGASTER CONTENTA*, Mayr.

Cremastogaster contenta, Mayr, Verh. d. k.-k. zool.-bot. Ges.
 Wien, 1879, 685 ♀; Wroughton, Jour. Bomb. Nat. Hist. Soc.
 vii. (1892), 199, 200.

Trincomalee (*Yerbury coll.*).

133. *CREMASTOGASTER ROGENHOFERI*, Mayr.

Cremastogaster rogenhoferi, Mayr, Verh. d. k.-k. zool.-bot. Ges.
 Wien, 1879, 683 ♂; Wroughton, Jour. Bomb. Nat. Hist. Soc.
 vii. (1892), 197, 198.

134. *CREMASTOGASTER ANTHRACINA*, Smith.

Cremastogaster anthracinus, Smith, Jour. Linn. Soc. ii. (1858),

75, 1 ♂; Cat. Hym. Ins. B. M. vi. 136, 5; Jour. Linn. Soc. xi. (1867), 329, 2.

Cremastogaster anthracina, Mayr, Verh. d. k.-k. zool.-bot. Ges. Wien, 1878, 682.

135. CREMASTOGASTER BRUNNEA, Smith.

Cremastogaster brunneus, Smith, Jour. Linn. Soc. ii. (1858), 75, 2 ♂; Cat. Hym. Ins. B. M. vi. 138, 10; Jour. Linn. Soc. xi. (1867), 329, 3.

136. CREMASTOGASTER PELLENS, Walker.

Cremastogaster pellens, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 374 ♀; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 21; Smith, Jour. Linn. Soc. xi. (1867), 330, 9.

137. CREMASTOGASTER DEPONENS, Walker.

Cremastogaster deponens, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 374 ♀; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 21; Smith, Jour. Linn. Soc. xi. (1867), 330, 10.

138. CREMASTOGASTER FORTICULUS, Walker.

Cremastogaster forticulus, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 375 ♂; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Smith, Jour. Linn. Soc. xi. (1867), 330, 11.

139. CREMASTOGASTER APICALIS, Motschoulsky.

Cremastogaster apicalis, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 20 ♂; Smith, Jour. Linn. Soc. xi. (1867), 330, 12.

140. CREMASTOGASTER BRUNNESCENS, Motschoulsky.

Cremastogaster brunnescens, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 20; Smith, Jour. Linn. Soc. xi. (1867), 330, 13.

Genus SIMA, Roger.

141. SIMA RUFONIGRA (Jerdon).

Eciton rufonigra, Jerd. Madr. Jour. Lit. & Sci. 1851, 53 ♂; Ann. & Mag. Nat. Hist. ser. 2, xiii. (1854), 53.

Pseudomyrma rufonigra, Smith, Cat. Hym. Ins. B. M. vi. 159, 24; Jour. Linn. Soc. xi. (1867), 328, 4.

Sima rufonigra, Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. u. Art. 25, 719; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 200, 210.

Kandy (*Yerbury coll.*).

142. SIMA NIGRA (Jerdon).

Eciton nigrum, Jerd. Madr. Jour. Lit. & Sci. 1851 112 ♂; Ann. & Mag. Nat. Hist. ser. 2, xiii. (1854), 54.

Pseudomyrma nigra, Smith, Cat. Hym. Ins. B. M. vi. 159, 25 ; Jour. Linn. Soc. xi. (1867), 328, 9.

Sima nigra, Roger, Berl. ent. Zeitschr. 1863, Verz. Form.-Gatt. u. Art. 25, 720 ; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 201, 211 ; Emery, Ann. Soc. Ent. Fr. 1893, 243, 16. Kandy.

143. *SIMA ATRATA* (Smith).

Tetraponera atrata, Smith, Ann. & Mag. Nat. Hist. ser. 2, ix. (1850), 44.

Pseudomyrma atrata, Smith, Cat. Hym. Ins. B. M. vi. 159, 26 ; Jour. Linn. Soc. xi. (1867), 328, 1.

144. *SIMA ALLABORANS* (Walker).

Pseudomyrma allaborans, Walk. Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 375 ♀ ; Tenn. Nat. Hist. Ceylon, ch. xii. 454 ; Smith, Jour. Linn. Soc. xi. (1867), 328, 11.

Cerapachys femoralis, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 21.

Cerapachys ceylonica, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 22.

Sima compressa, Roger, Berl. ent. Zeitschr. 1863, 179, 68 ♀ ; Smith, Jour. Linn. Soc. xi. (1867), 328, 1 ; Wroughton, Jour. Bomb. Nat. Hist. Soc. vii. (1892), 202, 212.

Sima allaborans, Emery, Ann. Soc. Ent. Fr. 1893, 243, 17. Colombo, Kandy.

The following have been recorded from Ceylon by Smith, Walker, or Motschoulsky, but, so far as I know, not lately procured or perhaps not identified :—

145. *MYRMICA BASALIS*, Smith, Cat. Hym. Ins. B. M. vi. 125, 43.

146. *MYRMICA CONTIGUA*, Smith, id. ibid. 125, 44.

147. *MYRMICA* (?) *CONSTERNANS*, Walker, Ann. & Mag. Nat. Hist. ser. 3, iv. (1859), 374 ♀ ♂.

148. *MYRMICA PALLINODIS*, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 16 ♀.

149. *MYRMICA OBSCURATA*, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 16 ♀.

Family *MUTILLIDÆ*, Leach.

Genus *MUTILLA*, Linnæus.

150. *MUTILLA ÆSTUANS*, Gerstaecker.

Mutilla æstuaus, Gerstaeck. Pet. Reis. 487, pl. 31, f. 6 ; Radoszk. & Sich. Horæ Soc. Ent. Ross. 1869, 223, 55 ; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. v. (1892), 116, 2.

151. *MUTILLA ANALIS*, Lepeletier.

Mutilla analis, Lepel. Hym. iii. 630, 52; Radoszk. & Sich. Hor. Soc. Ent. Ross. 1869, 284, 125; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. v. (1892), 116, 3.

Mutilla fuscipennis, Fáb. Syst. Piez. 436, 35.

Mutilla rufogastra, Lepel. Hym. iii. 629, 51 ♂; Smith, Cat. Hym. Ins. B. M. iii. 36, 185.

152. *MUTILLA AURÉORUBRA*, Radoszkovsky.

Mutilla aureorubra, Radoszk. & Sich. Hor. Soc. Ent. Ross. 1869, 304, 1 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 117, 9.

153. *MUTILLA EGREGIA*, Saussure.

Mutilla egregia, Sauss. (nec Klug) Ann. Soc. Ent. Fr. 1867, 351, 1, pl. 8. f. 1; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 117.

154. *MUTILLA BICINCTA*, Saussure.

Mutilla bicincta, Sauss. Ann. Soc. Ent. Fr. 1867, 355, pl. 8. f. 4; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 117, 14.

155. *MUTILLA CEYLANENSIS*, Radoszkovsky.

Mutilla ceylanensis, Radoszk. & Sich. Hor. Soc. Ent. Ross. 1869, 247, 80 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 118, 19.

156. *MUTILLA CHRYSOPHTHALMA*, Klug.

Mutilla chrysophthalma, Klug, in Hempr. et Erenb. Symb. Phys. Hym. 17, pl. v. f. 3; Radoszk. & Sich. Hor. Soc. Ent. Ross. 1869, 232, 67 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 118, 20.

157. *MUTILLA CORONATA*, Saussure.

Mutilla coronata, Sauss. Hym. d. Novara-Reise, 106, 4 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 118, 23.

158. *MUTILLA DENTICOLLIS*, Motschoulsky.

Mutilla denticollis, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 22; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 118, 28.

159. *MUTILLA DIMIDIATA*, Lepeletier.

Mutilla dimidiata, Lepel. Hym. iii. 628, 50; Radoszk. & Sich. Hor. Soc. Ent. Ross. 1869, 285, 126; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 118, 29.

160. *MUTILLA HEXAOPS*, Saussure.

Mutilla hexaops, Sauss. Ann. Soc. Ent. Fr. 1867, 169, 7, t. 8.

f. 6; Radoszk. & Sich. Hor. Soc. Ent. Ross. 1869, 307, 7; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 119, 37.
Nattan.

161. *MUTILLA HUMBERTIANA*, Saussure.

Mutilla humbertiana, Sauss. Ann. Soc. Ent. Fr. 1867, 353, 2 ♀, t. 8, f. 2; Radoszk. & Sich. Hor. Soc. Ent. Ross. 1869, 305, 2; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 119, 38.
Trincomalee.

162. *MUTILLA INSULARIS*, Cameron.

Mutilla insularis, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 119, 42, & 133.
Trincomalee (*Yerbury coll.*).

163. *MUTILLA INTERMEDIA*, Saussure.

Mutilla intermedia, Sauss. Ann. Soc. Ent. Fr. 1867, 354, 4 ♀; Radoszk. & Sich. Hor. Soc. Ent. Ross. 1867, 306, 4; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 119, 43.

164. *MUTILLA KANARÆ*, Cameron.

Mutilla kanaræ, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 119, 44, & 134.
Trincomalee (*Yerbury coll.*).

165. *MUTILLA KANTHELLÆ*, Cameron.

Mutilla kanthellæ, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 119, 45, & 124.
Kanthella (*Yerbury coll.*).

166. *MUTILLA MACULO-FASCIATA*, Saussure.

Mutilla maculo-fasciata, Sauss. Hym. d. Novara-Reise, 107, 5 ♀; Radoszk. & Sich. Hor. Soc. Ent. Ross. 309; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 120, 46.

167. *MUTILLA METALLICA*, Cameron.

Mutilla metallica, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 120, 48, & 128.

168. *MUTILLA OCELLATA*, Saussure.

Mutilla ocellata, Sauss. Ann. Soc. Ent. Fr. 1867, 356, 6; Radoszk. & Sich. Hor. Soc. Ent. Ross. 307, 6 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 120, 53.

169. *MUTILLA OPULENTA*, Smith.

Mutilla opulenta, Smith, Cat. Hym. Ins. B. M. iii. 34, 180 ♂; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 120, 55.

Kanthalla (*Yerbury coll.*).

170. *MUTILLA SUBINTRANS*, Radoszkovsky.

Mutilla subintrans, Radoszk. & Sich. Hor. Soc. Ent. Ross. 1867, 228, 62 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 122, 75.

171. *MUTILLA SOROR*, Saussure.

Mutilla soror, Sauss. Ann. Soc. Ent. Fr. 1867, 353, t. 8. f. 3; Radoszk. & Sich. Hor. Soc. Ent. Ross. 1867, 306, 3 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 122, 76.

Habrouenne.

172. *MUTILLA SIBYLLA*, Smith.

Mutilla sibylla, Smith, Jour. Linn. Soc. ii. (1858), 86, 11 ♀; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1867, 22; Smith, Jour. Linn. Soc. xi. (1867), 339, 47; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 122, 74.

173. *MUTILLA TAPROBANÆ*, Cameron.

Mutilla taprobanae, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 122, 81, & 125.

Trincomalee (*Yerbury coll.*).

174. *MUTILLA YERBURYI*, Cameron.

*Mutilla yerburyi*¹, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 123, 87, & 135.

Mahaagang (*Yerbury coll.*).

Genus *METHOCA*, Latreille.175. *METHOCA NIGRA*, sp. nov. (Plate XV. fig. 4.)

♂. L. 8-11 millim. Exp. 17-20 millim.

Black and shining; the wings broad, hyaline and iridescent, with the apical half faintly shaded with fuscous; legs piceous, tarsi paler.

Head about as broad as the thorax, closely and finely punctured; mandibles black; clypeus much broader than high, its anterior margin semicircular; antennæ opaque black, thick and somewhat fusiform. Thorax: the pro- and mesonotum above finely and closely punctured, the metanotum smooth, posteriorly truncated, with three longitudinal short carinæ running from its base to the edge of the truncation, from whence the lateral carinæ are continued obliquely outwards to the sides of the metathorax; the wings hyaline, iridescent in certain lights, faintly shaded with light fuscous especially on the anterior wing beyond the basal nervure; legs piceous, the tarsi paler, the anterior tibiæ and tarsi below testaceous.

Abdomen shining, rather sparsely punctured above, and slightly

¹ Either by a slip of the pen or through a printer's error, Col. Yerbury's name is spelt "Yerburgh," all through Mr. Cameron's paper, consequently this species stands as "*Yerburghi*" instead of "*Yerburyi*" in the paper. I have restored the true spelling.

pubescent; the basal segment about half the width of the 2nd and curved upwards; a deep transverse sulcation close to the apical margin of the 1st segment and another close to the constricted base of the 2nd segment, the latter sulcation continued on the underside of the abdomen.

Pundaloya (*Green coll.*).

Described from three specimens in my collection from various parts of Tenasserim and from two specimens in Mr. Green's collection. This species resembles *M. gracilis*, Smith, from Celebes, but this latter has the prothorax smooth, the metathorax coarsely rugose, the legs rufo-piceous, and the basal segment marked with a central longitudinal channel. From *M. orientalis*, Smith, found in Northern India, it differs considerably in size and coloration.

Family SCOLIIDÆ, Leach.

Genus SCOLIA, Fabricius.

I. With three cubital cells=*Triscolia*, Saussure & Sichel.

176. SCOLIA RUBIGINOSA, Fabricius.

Scolia rubiginosa, Fabr. Ent. Syst. ii. 230, 8; Syst. Piez. 241, 10; Coquebert, Illustr. tab. 13. f. 4 ♂; Klug, Web. u. Mohr, Beitr. ii. 211, 38; Lepel. Hym. iii. 518, 2; Burm. Cat. Scol. 19, 11; Smith, Cat. Hym. Ins. B. M. iii. 111, 123; Sauss. & Sichel. Cat. Spec. Gen. Scol. 45, 20; Smith, Jour. Linn. Soc. xi. (1867), 343, 4; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 101, 13.

Colombo, Pundaloya (*Green coll.*).

II. With two cubital cells=*Discolia*, Saussure & Sichel.

177. SCOLIA AUREIPENNIS, Lepelletier.

Scolia aureipennis, Lepel. Hym. iii. 525, 9 ♀; Sauss. & Sichel. Cat. Spec. Gen. Scol. 109, 102; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 103, 25.

Scolia jurinei, Sauss. Mém. Hym. 45, 21.

Scolia instabilis, Smith, Cat. Hym. Ins. B. M. iii. 88, 11 ♀ ♂; Jour. Linn. Soc. xi. (1867), 345, 25.

Scolia ruficornis, Klug, Web. u. Mohr, Beitr. i. 25, 8.

Pundaloya, Udagama (*Green coll.*).

178. SCOLIA CYANIPENNIS, Fabricius.

Scolia cyanipennis, Fabr. Syst. Piez. 244, 35; Burm. Cat. Scol. 37, 59; Smith, Cat. Hym. Ins. B. M. iii. 90, 21; Sauss. Ann. Soc. Ent. Fr. 1858, 209, 16; Sauss. & Sichel. Cat. Spec. Gen. Scol. 103, 91; Smith, Jour. Linn. Soc. xi. (1867), 345, 21; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 102, 20.

179. SCOLIA QUADRIPUSTULATA, Fabricius.

Scolia quadripustulata, Fabr. Spec. Ins. i. 453, 13; Ent. Syst. ii.

234, 26; Syst. Piez. 244, 34; Burm. Cat. Scol. 36, 58; Lepel. Hym. iii. 528, 16; Smith, Cat. Hym. Ins. B. M. iii. 87, 7; Sauss. & Sichel. Cat. Spec. Gen. Scol. 113, 108; Hym. d. Novara-Reise, 103, 1; Smith, Jour. Linn. Soc. xi. (1867), 345, 24; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 104, 30.

Larva quadripustulata, Fabr. Ent. Syst. ii. 222, 6.

Scolia binotata, Fabr. Syst. Piez. 244, 36.

Scolia bipunctata, Klug. Web. u. Mohr. Beitr. i. 35, 30 (var. ♂).

Scolia fasciato-punctata, Guér. Voy. Coq. ii. 254 (var. ♀).

Scolia fervida, Smith, Ann. & Mag. Nat. Hist. ix. (1852), 46 (♀ var.); Cat. Hym. Ins. B. M. iii. 89, 15.

180. SCOLIA INDICA, Saussure.

Scolia indica, Sauss. Mél. Hym. 46, 22, f. 10 ♀; Sauss. & Sichel. Cat. Spec. Gen. Scol. 119, 118; Smith, Jour. Linn. Soc. xi. (1867), 348, 61; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 106, 40.

Scolia ignita, Smith, Cat. Hym. Ins. B. M. iii. 101, 77 ♀; Jour. Linn. Soc. xi. (1867), 348, 64.

Somparipo (*Green coll.*).

181. SCOLIA HISTRIONICA, Fabricius.

Scolia histrionica, Fabr. Ent. Syst. Suppl. 256, 35; Klug, Web. u. Mohr. Beitr. i. 25, 9; Sauss. & Sichel. Cat. Spec. Gen. Scol. 121, 121 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 107, 43.

Scolia picteti, Sauss. Mél. Hym. 42, 18 ♀.

Scolia pulchra, Smith, Cat. Hym. Ins. B. M. iii. 88, 12; Jour. Linn. Soc. xi. (1867), 345, 26.

Pundaloya (*Green coll.*).

182. SCOLIA ELIFORMIS, Saussure.

Scolia eliformis, Sauss. & Sichel. Cat. Spec. Gen. Scol. 120, 119 ♂; Smith, Jour. Linn. Soc. xi. (1867), 348, 62; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 107, 41.

Pundaloya (*Green coll.*).

Genus ELIS, Fabricius.

I. With three cubital cells = *Trielis*, Saussure & Sichel.

183. ELIS ORIENTALIS, Cameron.

Elis orientalis, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 112, 27.

II. With two cubital cells = *Dielis*, Saussure & Sichel.

184. ELIS THORACICA (Fabricius).

Tiphia thoracica, Fabr. Ent. Syst. Suppl. 254, 15; Syst. Piez. 235, 19.

Spheg albicollis, Christ, Hym. 260, t. 26. f. 1 ♀.

Sphex flavifrons, Christ, Hym. 261, t. 26. f. 2 ♀ (non ♂), & f. 3 ♀, var. *fulvo-villosa*.

Tiphia nigra, Fabr. Ent. Syst. ii. 225, 9; Syst. Piez. 234, 13.

Campsomeris aureicollis, Lepel. Hym. iii. 499, 6 ♀.

Scolia aureicollis, Smith, Cat. Hym. Ins. B. M. iii. 101, 79.

Elis thoracica, Saussure & Sichel, Cat. Spec. Gen. Scol. 188, 197; Hym. d. Novara Reise, 104, 2; Smith, Jour. Linn. Soc. xi. (1867), 350, 15; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 108, 4.

Elis aureicollis, Smith, Jour. Linn. Soc. xi. (1867), 350, 14.

Colombo, Pundaloya (*Green coll.*).

I have followed de Saussure in uniting the species with fulvous pubescence on the head and thorax (*aureicollis*, Lepel.) with the species having cinereous-white pubescence on the same parts. Smith, however, kept them distinct, and I am inclined to think he was right, as the puncturing on the head and thorax in the two species is different. On the other hand, *Elis fimbriata*, Burmeister, kept distinct by de Saussure, seems to me only a large form of *E. thoracica* (vera). The specimens in Mr. Green's collection are midway between typical *thoracica* and typical *fimbriata*.

185. ELIS IRIS (Lepelletier).

Colpa iris, Lepel. Hym. iii. 547, 16 ♂.

Scolia iris, Burm. Cat. Scol. 26, 28 ♀ ♂; Smith, Cat. Hym. Ins. B. M. iii. 100, 75.

Elis phalerata, Sauss. Ann. Ent. Soc. Fr. (1858), 233, 45; Ent. Zeit. 1859, 268 ♀.

? *Scolia radula*, Klug, Web. u. Mohr, Beitr. i. 30, 19 ♂.

Elis iris, Sauss. & Sichel, Cat. Spec. Gen. Scol. 201, 217; Smith, Jour. Linn. Soc. xi. (1867), 351, 29; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 110, 20.

Pundaloya (*Green coll.*).

Three males of a species belonging to the subgenus *Dielis*, in Mr. Green's collection, agree fairly well with the original description of this species by Lepelletier de St.-Fargeau.

186. ELIS LINDENII (Lepelletier).

Campsomeris lindonii, Lepel. Hym. iii. 500, 8 ♀.

Scolia 4-fasciata, Fabr. Ent. Syst. Suppl. 255, 16; Syst. Piez. 242, 20.

Elis lindonii, Sauss. & Sichel, Cat. Spec. Gen. Scol. 204, 219; Smith, Jour. Linn. Soc. xi. (1867), 351, 30; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 112, 22.

Pundaloya (*Green coll.*).

187. ELIS CEYLONICA (Kirby).

Campsomeris ceylonica, Kirby, Trans. Ent. Soc. 1889, 452.

Elis ceylonica, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892), 111, 21.

Genus TIPHIA, Fabricius.

188. TIPHIA RUFO-FEMORATA, Smith.

Tiphia rufo-femorata, Smith, Cat. Hym. Ins. B. M. iii. 83, 7 ♀;
Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892),
115, 4.

Pundaloya (*Green coll.*).

189. TIPHIA CONSUETA, Smith.

Tiphia consueta, Smith, Desc. New Spec. Hym. B. M. 184, 2 ♀;
Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, v. (1892),
116, 6.

Pundaloya (*Green coll.*).

190. TIPHIA DECRESCENS, Walker.

Tiphia decrescens, Walk. Ann. & Mag. Nat. Hist. ser. 4, iv. 1859,
376; Tennent's Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull.
Soc. Imp. d. Nat. Mosc. 1863, 22.

Family POMPILIDÆ, Leach.

Genus POMPILUS, Fabricius.

191. POMPILUS ANALIS, Fabricius.

Sphex analis, Fabr. Ent. Syst. ii. 209, 42.

Pompilus analis, Fabr. Syst. Piez. 183, 4; Dahlb. Hym. Eur. i.
47 ♀; Lepel. Hym. iii. 439, 35; Smith, Cat. Hym. Ins. B. M. iii.
143, 124; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch.
Bull. Soc. Imp. d. Nat. Mosc. 1863, 24; Smith, Jour. Linn. Soc.
xi. (1867), 352, 1; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc.
ser. 4, iv. (1891), 457, 1.

Pundaloya (*Green coll.*).

192. POMPILUS PERPLEXUS, Smith.

Pompilus perplexus, Smith, Cat. Hym. Ins. B. M. iii. 147,
140 ♀.

Priocnemis perplexus, Smith, Jour. Linn. Soc. xi. (1867);
354, 4.

Salix perplexus, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc.
ser. 4, iv. (1891), 452, 43.

Pundaloya (*Green coll.*).

193. POMPILUS CANIFRONS, Smith.

Pompilus canifrons, Smith, Cat. Hym. Ins. B. M. iii. 146,
138 ♀.

Priocnemis canifrons, Smith, Jour. Linn. Soc. xi. (1867) 354, 2.
Salix canifrons, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc.
ser. 4, iv. (1891).

Pundaloya (*Green coll.*).

I have examined the types of *P. pedestris* and *P. canifrons*, Smith, both in the British Museum, and find that they belong to the genus *Pompilus* and not to *Priocnemis* = *Salius*, Cam. (*apud* Kohl).

194. *POMPILUS ARROGANS*, Smith.

Pompilus arrogans, Smith, Trans. Ent. Soc. 1873, pt. ii. 187, 3 ♀.

Pundaloya (*Green coll.*).

Originally received from Japan, this species seems to have a wide range; I have found it fairly common in Sikkim and Burma. There are two specimens in Mr. Green's collection.

195. *POMPILUS ATROPOS*, Smith.

Pompilus atropos, Smith, Desc. New Spec. Hym. B. M. 146, 22 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 480.

Pundaloya (*Green coll.*).

196. *POMPILUS LUCIDULUS* (Saussure).

Homonotus lucidulus, Sauss. Hym. d. Novara-Reise, 50, 1 ♀.
Pompilus lucidulus, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 459, 26.

197. *POMPILUS IGNOBILIS*, Saussure.

Pompilus ignobilis, Sauss. Hym. d. Novara-Reise, 60, 3 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 459, 22.

198. *POMPILUS IGNICOLOR*, sp. nov. (Plate XV. fig. 5.)

♀. L. 7 millim. Exp. 12 millim.

Head and thorax in front red, metathorax, legs and abdomen black, wings hyaline with a faint fuscous cloud towards the apex.

Head broad, subglobular, and opaque red, with fine close punctures; the clypeus twice as broad as high, its anterior margin narrowly smooth, shining, and recurved; front slightly convex, covered, as is the clypeus and the cheeks behind the eyes, with a fine sericeous silvery pile, only seen in certain lights; antennæ fuscous; the scape in front red; thorax, the pro- and mesothorax above, and the scutellum and postscutellum red; the metathorax, sides of the thorax, and pectus black; the prothorax rounded in front, posteriorly arched; the scutellum and postscutellum compressed laterally and prominent; the metathorax with a rounded slope to the apex; the whole of the thorax very finely and closely punctured; wings hyaline, the nervures fuscous, the anterior wings lightly infuscated from beyond the 2nd cubital cell, the extreme apex narrowly hyaline, the apex of the posterior wing also faintly clouded; legs black, the anterior femora, tibiae, and tarsi testaceous red, the claws

unidentate at their base below; the abdomen subsessile, broad and opaque black. In certain lights the sides of the metathorax, the coxæ, and the basal segment of the abdomen are seen to be covered with a thin silvery pile.

Pundaloya (*Green coll.*).

This well-marked little species might, at first sight, be mistaken for *Pseudagenia ægina*, Smith; but, beyond the difference of genus, it can be distinguished by its red head, black metathorax, and non-fasciated wings.

199. POMPILUS ROTHNEYI, Cameron.

Pompilus rothneyi, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 460, 32 & 463.

Pundaloya (*Green coll.*).

Forms, as noted by Mr. Cameron, a transition to the *Ferreola* group of the genus *Pompilus*. Originally described from Bengal, it occurs also in Burma.

200. POMPILUS MIRANDUS (Saussure).

Ferreola miranda, Sauss. Hym. d. Novara-Reise, 49, 5 ♀.

Pompilus miranda, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 459, 28.

201. POMPILUS DIMIDIATIPENNIS (Saussure).

Ferreola dimidiatipennis, Sauss. Hym. d. Novara-Reise, 46, 1 ♀.

Pompilus dimidiatipennis, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 458, 13.

202. POMPILUS GREENII (Bingham).

Ferreola greenii, Bingham. Jour. Bomb. Nat. Hist. Soc. v. (1890), 240, 11 ♀.

Pompilus greenii, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 458, 18.

Pundaloya (*Green coll.*).

This species closely resembles the preceding, and may be identical with it, but I have provisionally kept it distinct, as the shape of the front of the head seems to distinguish it from *P. dimidiatipennis*.

Genus PSEUDAGENIA, Kohl.

203. PSEUDAGENIA BLANDA (Guérin).

Pompilus blandus, Guérin, Voy. Coq. Zool. ii. pt. 2, 260; Smith, Cat. Hym. Ins. B. M. iii. 143, 125.

Pompilus cyaneus, Lepel. Hym. iii. 446, 7.

Agenia blanda, Smith, Jour. Linn. Soc. xi. (1867), 354, 1.

Pseudagenia blanda, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 436, 6; Bingham. Jour. Bomb. Nat. Hist. Soc. viii. (1893), 369, 6.

Pundaloya (*Green coll.*).

204. PSEUDAGENIA ÆGINA (Smith).

Agenia ægina, Smith, Jour. Linn. Soc. ii. (1857), 94, 9 ♀; id. *ibid.* xi. (1867), 355, 6.

Pseudagenia ægina, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1894), 436, 1; Bingham Jour. Bomb. Nat. Hist. Soc. viii. (1893), 368, 2.

Pudaloya (*Green coll.*).

205. PSEUDAGENIA ALARIS (Saussure).

Agenia alaris, Sauss. Hym. d. Novara-Reise, 52, 1 ♀.

Pseudagenia alaris, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 436, 2; Bingham Jour. Bomb. Nat. Hist. Soc. viii. (1893), 368, 3.

206. PSEUDAGENIA BIPENNIS (Saussure).

Agenia bipennis, Sauss. Hym. d. Novara-Reise, 52, 3 ♂.

Pseudagenia bipennis, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. 436, 5; Bingham Jour. Bomb. Nat. Hist. Soc. viii. (1893), 368, 4.

207. PSEUDAGENIA CONCOLOR (Saussure).

Agenia concolor, Sauss. Hym. d. Novara-Reise, 54, 6 ♂.

Pseudagenia concolor, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 437, 9.

The three preceding species occur also in Burma.

208. PSEUDAGENIA INSULARIS (Saussure).

Agenia insularis, Sauss. Hym. d. Novara-Reise, 455, 8 ♀.

Pseudagenia insularis, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 437, 15.

209. PSEUDAGENIA MICROMEGAS (Saussure).

Agenia micromegas, Sauss. Hym. d. Novara-Reise, 51, 1 ♀.

Pseudagenia micromegas, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 437, 19.

210. PSEUDAGENIA NANA (Saussure).

Agenia nana, Sauss. Hym. d. Novara-Reise, 55, 9 ♀.

Pseudagenia nana, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 438, 25.

211. PSEUDAGENIA OBSOLETA (Saussure).

Agenia obsoleta, Sauss. Hym. d. Novara-Reise, 56, 10 ♀.

Pseudagenia obsoleta, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 438, 24.

212. PSEUDAGENIA PLEBEJA (Saussure).

Agenia plebeja, Sauss. Hym. d. Novara-Reise, 57, 11 ♂.

Pseudagenia plebeja, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 438, 25.

Genus SALIUS, Fabricius.

I. HEMIPEPSIS=MYGNIMIA Group.

213. SALIUS CEYLONICUS (Saussure).

Mygnumia ceylonica, Sauss. Hym. d. Novara-Reise, 64, 1 ♀.

Salus ceylonicus, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1801), 443, 7.

214. SALIUS FULVIPENNIS (Fabricius).

Sphex fulvipennis, Fabr. Ent. Syst. ii. 218, 84.

Pompilus fulvipennis, Fabr. Syst. Piez. 198, 57; Smith, Cat. Hym. Ins. B. M. iii. 144, 127; Sauss. Hym. d. Novara-Reise, 58, 1 ♀ ♂.

Hemipepsis fulvipennis, Dahlb. Hym. Eur. i. 462.

Salus fulvipennis, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 444, 16.

215. SALIUS INTERMEDIUS (Smith).

? *Hemipepsis flava*, Dahlb. (nec Fabr.) Hym. Eur. i. 462, 3.

Mygnumia intermedia, Smith, Ann. & Mag. Nat. Hist. ser. 4, xii. (1873), 257.

Salus intermedius, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 444, 13; Bingham. Jour. Bomb. Nat. Hist. Soc. viii. (1893), 372, 11.

Pundaloya (*Green coll.*).

In size this species is exceedingly variable; of thirteen females in Mr. Green's collection the smallest is 16 millim. in length, while the largest is 35 millim., or more than twice the size. One specimen, absolutely indistinguishable from the others in the colouring and sculpture of head and thorax, has the venation of the wings of *Priocnemis*: that is to say, the 1st recurrent nervure is not interstitial with the 2nd transverse cubital nervure, but terminates well before the apex of the 2nd cubital cell.

216. SALIUS RUBIDUS (Bingham). (Plate XV. fig. 2.)

Mygnumia rubida, Bingham. Jour. Bomb. Nat. Hist. Soc. v. (1890), 238, 8 ♀ ♂.

Salus rubida, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 445, 27.

Pundaloya (*Green coll.*).

217. SALIUS CONVEXUS (Bingham).

Priocnemis convexus, Bingham. Jour. Bomb. Nat. Hist. Soc. v. (1890), 237, 6 ♀.

Salus convexus, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 451, 33; Bingham. Jour. Bomb. Nat. Hist. Soc. viii. (1893), 375, 18.

Pundaloya (*Green coll.*).

This species is also found in Burma.

II. PRIOCNEMIS group.

218. SALIUS MADRASPATANUS (Smith).

Pompilus madraspatanus, Smith, Cat. Hym. Ins. B. M. iii. 144, 130 ♀; Jour. Linn. Soc. xi (1867), 352, 6.

Salivus madraspatanus, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 451, 40; Bingham Jour. Bomb. Nat. Hist. Soc. viii. (1893), 375, 19.

Pundaloya (*Green coll.*).

219. SALIUS PROPERUS, sp. nov. (Plate XV. fig. 7.)

♀. L. 11 millim. Exp. 23 millim.

Black, with a thin, silky, slate-coloured pile forming fasciæ on the abdomen above; wings fusco-hyaline.

Head broad, broader than the thorax, smooth; clypeus short, transversely oval, convex, an impressed line along and parallel to its anterior margin, the clypeus and front of the face silvery in certain lights and studded sparsely with black hairs; antennæ long, convolute at the apex. Thorax long, somewhat laterally compressed; the metathorax as long as the pro- and mesothorax together; the scutellum large, prominent, flat in the middle above, the metathorax with a rounded slope to the apex and delicately marked with transverse striae. Wings fusco-hyaline, the posterior pair clear hyaline at base; in the front wing the transverse-medial nervure strikes the externo-medial nervure well before the apex of the 1st submedial cell, in the hind wing the cubital nervure is interstitial with the transverse-anal nervure. Legs black; the intermediate and posterior tibiæ strongly spined and serrated, the long tibial calcaria of the posterior legs about half the length of the metatarsus, the tarsi spinose, claws unidentate below, all the coxæ on the underside with slate-coloured pile. Abdomen black, smooth and shining, with broad bands of slate-coloured pile at the bases of the 2nd, 3rd, 4th, and 5th segments, the apical segment black and studded with long black hairs; below the abdomen is smooth and somewhat shining, with a transverse furrow crossing the 2nd segment.

Pundaloya (*Green coll.*).

Resembles *S. rothneyi*, Cameron, but this is a stouter and more compact insect and has the wings hyaline with two fuscous clouds crossing the fore wing.

220. SALIUS CRINITUS (Bingham).

Priocnemis crinitus, Bingham Jour. Bomb. Nat. Hist. Soc. v. (1890), 238, 7 ♀.

Salivus crinitus, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 451, 35.

Pundaloya (*Green coll.*).

The male has not previously been described. It closely resembles the female, but is a slenderer insect and is devoid of the long

golden pubescence which clothes the thorax and abdomen in the female. Length 16 millim. Exp. 35 millim.

221. *SALIU* *CONSANGUINEUS* (Saussure).

Priocnemis consanguineus, Sauss. Hym. d. Novara-Reise, 62, 2 ♀.
Salius consanguineus, Can. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 451, 32.

222. *SALIU* *HUMBERTIANUS* (Saussure).

Priocnemis humbertianus, Sauss. Hym. d. Novara-Reise, 63, 4 ♀ ♂.
Salius humbertianus, Can. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1891), 451, 33.

Family SPHEGIDÆ, Leach.

Genus *AMMOPHILA*, Kirby.

223. *AMMOPHILA LEVIGATA*, Smith.

Ammophila levigata, Smith, Cat. Hym. Ins. B. M. iv. 215, 39 ♀; id. Jour. Linn. Soc. xi. (1867), 359, 4; Sauss. Hym. d. Novara-Reise, 23, 1; Can. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 93, 8.

Pundaloya (*Green coll.*).

224. *AMMOPHILA ATRIPES*, Smith.

Ammophila atripes, Smith, Ann. & Mag. Nat. Hist. ser. 2, ix. (1852), 46; id. Cat. Hym. Ins. B. M. iv. 217, 43; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. (1863), 23; Smith, Jour. Linn. Soc. xi. (1867), 359, 7; Can. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 93, 1.

225. *AMMOPHILA LONGIVENTRIS*, Saussure.

Ammophila longiventris, Sauss. Hym. d. Novara-Reise, 24, 3 ♂; Can. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iv. (1889), 93, 9.

226. *AMMOPHILA HUMBERTIANA*, Saussure.

Ammophila humbertiana, Sauss. Hym. d. Novara-Reise, 25, 4 ♀; Can. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 93, 7.

Genus *PELOPEUS*¹, Latreille.

227. *PELOPEUS JAVANUS*, Lepelletier.

Pelopezus javanus, Lepel. Hym. iii. 309, 6 ♀; Smith, Cat. Hym. Ins. B. M. iv. 231, 16; id. Jour. Linn. Soc. xi. (1867),

¹ Kohl has shown (Ann. d. k. k. Naturhist. Hofmus. v. (1890), p. 102) that for this genus Klug's name *Sceliphron* has priority over *Pelopezus*, Latreille; but the latter name is so well known that I am loth to make any alteration.

360, 20; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 101, 7.

Pundaloya (*Green coll.*).

228. PELOPÆUS SPINOLÆ, Lepeletier.

Pelopæus spinolæ, Lepel. Hym. iii. 307, 4; Smith, Cat. Hym. Ins. B. M. iv. 231, 19; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 23; Smith, Jour. Linn. Soc. xi. (1867), 359, 3; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 102, 12.

229. PELOPÆUS VIOLACEUS (Fabricius).

Sphex violaceus, Fabr. Ent. Syst. ii. 201, 12.

Pepsis violaceus, Fabr. Syst. Piez. 211, 16.

Chalybion violaceum, Dahlb. Hym. Eur. i. 21, 1.

Chalybion bengalensis, Dahlb. Hym. Eur. i. 433, 2.

Pelopæus violaceus, Lepel. Hym. iii. 32, 21; Costa, Prosp. d. Imenott. Ital. fasc. i. 21, 6.

Pelopæus ftebilis, Lepel. Hym. iii. 321, 22.

Pelopæus bengalensis, Smith, Cat. Hym. Ins. B. M. iv. 320, 15; id. Jour. Linn. Soc. xi. (1867), 360, 19; Smith and Home, Trans. Zool. Soc. vii. (1870), pt. iii. 163, pl. xxi. f. 2, 2a; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 101, 2.

Pundaloya (*Green coll.*).

I think there is little doubt that *Chalybion bengalensis* of Dahlbom = *Sphex violaceus*, Fabricius. Typical specimens of *P. violaceus* and *P. bengalensis* may differ in the sculpture of the thorax and in the colour of the wings, but the insect is a variable one.

Genus SPHEX, Linnæus, pt.

230. SPHEX LOBATUS, Fabricius.

Sphex lobatus, Fabr. Syst. Ent. 348 (1775); Kohl, Ann. des k. k. Naturhist. Hofmus. v. 177, 1.

Sphex smaragdinus, Drury, Exot. Ins. iii. 57, pl. 42. f. 2.

Sphex cerulea, Christ (*nec* Drury), Naturg. Ins. 308, t. 30. f. 6.

Sphex chrysis, Christ, Naturg. Ins. 310, t. 30. f. 7; Kohl, Termesz. Füzetek, ix. 173 ♀ ♂; André, Spec. Hym. iii. fasc. 27, 123 ♀ ♂; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 105, 1.

Sphex lobata, Fabr. Ent. Syst. ii. 206, 30.

Chlorion lobatum, Fabr. Syst. Piez. 217, 1; Blanch. Hist. Nat. Anim. Art. iii. 351; Lepel. Hym. iii. 330; Dahlb. Hym. Eur. i. 24 & 435; Smith, Cat. Hym. Ins. B. M. ii. 237, 1; id. Jour. Linn. Soc. xi. (1867), 360, 1.

Chlorion azureum, Blanch. Hist. Nat. Anim. Art. iii. 351, pl. vi. f. 6; Lepel. Hym. iii. 329.

Pundaloya (*Green coll.*).

231. *SPHEX AURULENTUS*, Fabricius.

Sphex aurulentus, Fabr. Mant. Ins. i. & ii. 274; Ent. Syst. ii. 201, 14; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 107, 12.

Pepsis sericea, Fabr. Syst. Piez. 211, 19.

Sphex sericea, Dahlb. Hym. Eur. i. 26, 7; Lepel. Hym. iii. 341, 12 ♀; Smith, Cat. Hym. Ins. B. M. iv. 255, 62; Jour. Linn. Soc. xi. (1867), 361, 11.

Sphex fabricii, Dahlb. Hym. Eur. i. 27, 11; Smith, Cat. Hym. Ins. B. M. iv. 253, 54; Jour. Linn. Soc. xi. (1867), 361, 3.

Sphex ferruginea, Lepel. Hym. iii. 354, 18; Smith, Cat. Hym. Ins. iv. 253, 55; Jour. Linn. Soc. 361, 4.

Sphex lineola, Lepel. Hym. iii. 353, 27 ♂; Smith, Cat. Hym. Ins. B. M. iv. 254, 58; Jour. Linn. Soc. xi. (1867), 361, 7.

Sphex ferox, Smith, Jour. Linn. Soc. vi. (1862), 55, 5 ♂; id. ibid. xi. (1867), 362, 22.

Sphex lepeletieri, Sauss. Hym. d. Novara-Reise, 40, 8 ♀.

Sphex sericeus, Sauss. Hym. d. Novara-Reise, 41, 11 ♀.

Sphex godeffroyi, Sauss. Stet. ent. Zeit. xxx. (1869), 57 ♀.

Sphex aurifex, Smith, Jott. Cruise Cur. by Brencley, 460 ♀, t. xlv. f. 3.

Sphex aurulentus, Kohl, Termesz. Füzetek, ix. (1885), 194 ♀ ♂; Ann. d. k. k. Naturhist. Hofmus. v. (1890), 392, 84 ♀ ♂.

Pundaloya, Colombo (*Green coll.*).

232. *SPHEX FULVO-HIRTUS*, Bingham.

Sphex fulvo-hirta, Bingham, Jour. Bomb. Nat. Hist. Soc. v. (1890), 242, 14 ♀; id. ibid. viii. (1893), 379, 29, pl. i. f. 8.

Pundaloya (*Green coll.*).

233. *SPHEX UMBROSUS*, Christ.

Sphex umbrosus, Christ, Naturg. Ins. 293, t. xxix. f. 2 ♀ (1791).

Sphex fumicata, Christ, Naturg. Ins. 295, t. xxix. f. 6 ♂ (1791).

Sphex argentata, Fabr. Mant. Ins. i. 274; Ent. Syst. ii. 200, 8; Dahlb. Hym. Eur. i. 25, 1 ♀ ♂; Smith, Cat. Hym. Ins. iv. 252, 52; id. Jour. Linn. Soc. xi. (1867), 361, 1; Taschenb. Zeitschr. f. d. ges. Naturwiss. Halle, xxxiv. (1869), 414; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 107, 10.

Sphex albifrons, Fabr. Ent. Syst. ii. 207, 36; Lepel. Hym. iii. 337, 6 ♂.

Pepsis albifrons, Fabr. Syst. Piez. 212, 27.

Sphex argentifrons, Lepel. Hym. iii. 337, 7 ♀; Kohl, Termesz. Füzetek, ix. (1885), p. 2 a, 196 ♀ ♂.

Sphex carbonaria, Smith, Cat. Hym. Ins. B. M. iv. 247, 38 ♀.

Sphex ephippium, Smith, Cat. Hym. Ins. B. M. iv. 249, 45 ♀, pl. vi. f. 3.

Sphex opulenta, Smith, Cat. Hym. Ins. B. M. iv. 250, 46 ♂.

Sphex diabolica, Smith, Jour. Linn. Soc. ii. (1858), 100, 3 ♀; id. ibid. xi. (1867), 361, 12.

Sphex tuberculata, Smith, Ann. & Mag. Nat. Hist. ser. 4, xii. (1873), 291 ♀.

Sphex argentatus, André, Spec. Ins. iii. fasc. 27 ♀ ♂.

Sphex umbrosus, Kohl, Ann. d. k. k. Naturhist. Hofmus. v. (1890), 406, 99.

Pundaloya (*Green coll.*).

234. SPHEX NIGRIPES, Smith.

Sphex nigripes, Smith, Cat. Hym. Ins. B. M. iv. 254, 59 ♀; id. Jour. Linn. Soc. xi. (1867), 361, 8; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 108, 15; Kohl, Ann. d. k. k. Naturhist. Hofmus. v. (1890), 421, 114 ♀ ♂.

Sphex siamensis, Taschenb. Zeitschr. f. d. ges. Naturwiss. Halle, xxxiv. (1869), 413 ♀.

Sphex erythropoda, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 108, 13 & 110 ♀.

Pundaloya (*Green coll.*).

The two specimens in Mr. Green's collection have much darker wings than the type which is in the British Museum, but they agree very well with Mr. Smith's description. Kohl unites *Sphex tyrannica*, Smith, with this species. I have examined the types of both, and they seem to me quite distinct species, markedly in the shape and form of the clypeus, petiole, and abdomen, and in the colour of the wings and legs, as shown in Plate XV. figs. 1 and 3.

235. SPHEX VIDUATUS, Christ.

Sphex fervens, Fabr. (*nec* Linné), Syst. Ent. 346 (1775); Mant. Ins. i. & ii. 275 (1787); Ent. Syst. ii. 200, 5 (1793).

Sphex viduata, Christ, Naturg. Ins. 305, t. xxx. f. 4 (1791).

Sphex pubescens, Fabr. Ent. Syst. ii. 205, 28; Kohl, Termesz. Füzetek, ix. (1885), 188 ♀ ♂; André, Spec. Hym. iii. fasc. 27, 130; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 106, 8.

Pepsis fervens, Fabr. Syst. Piez. 209, 6.

Pepsis pubescens, Fabr. Syst. Piez. 212, 22.

Enodia canescens, Dahlb. Hym. Eur. i. 28, 2.

Enodia fervens, Dahlb. Hym. Eur. i. 439, 2.

Parasphex fervens, Smith, Cat. Hym. Ins. B. M. iv. 267, 1; Jour. Linn. Soc. xi. (1867), 362, 1.

Sphex viduatus, Kohl, Ann. d. k. k. Naturhist. Hofmus. v. (1890), 332, 32.

Colombo.

Being in Colombo for a couple of days, I caught, among other insects, one specimen of this species just outside the Oriental Hotel.

236. SPHEX LUTEIPENNIS, Mocsary.

Sphex luteipennis, Mocs. Magy. Akad. Term. Ertek. (1883),

K. 11, 33 ♀; Kohl, Ann. d. k. k. Naturhist. Hofmus. v. (1890), 433, 115.

Sphex rufipennis, Kohl, Termesz. Füzetek, ix. (1885), 198 ♀ ♂.

Genus AMPULEX, Jurine.

237. AMPULEX COMPRESSA (Fabricius).

Sphex compressa, Fabr. Mant. Ins. i. 275, 25; Ent. Syst. ii. 206, 32.

Chlorion compressum, Fabr. Syst. Piez. 219, 7; Latr. Hist. Nat. Crust. et Ins. xiii. 294; Westw. Trans. Ent. Soc. iii. (1841), 227.

Ampulex compressa, Jur. Hym. 134; Lepel. Hym. iii. 325, 1; Dahlb. Hym. Eur. i. 29, 1; Smith, Cat. Hym. Ins. B. M. iv. 268, 1; id. Jour. Linn. Soc. xi. (1867), 363, 1; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 116, 1.

Pundaloya (Green coll.).

Two specimens in Mr. Green's collection are very vivid in colouring.

238. AMPULEX (?) ANNULIPES, Motschoulsky.

Ampulex (?) annulipes, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 24; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 117, 5.

Family LABRIDÆ, Leach.

Genus PISON, Spinola.

239. PISON (PARAPISON) AGILE (Smith).

Parapison agile, Smith, Trans. Ent. Soc. (1869), 300, 4; Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien (1884), 186; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 117, 1.

Genus TRYPOXYLON, Latreille.

240. TRYPOXYLON PILEATUM, Smith.

Trypoxylon pileatum, Smith, Cat. Hym. Ins. B. M. iv. 377, 5 ♀; Journ. Linn. Soc. xi. (1867), 368, 1; Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 206; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 119, 11.

Pundaloya (Green coll.).

241. TRYPOXYLON INTRUDENS, Smith.

Trypoxylon intrudens, Smith, Trans. Zool. Soc. vii. (1872), 188, 1 ♀; Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 205; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 119, 7.

Genus LARRA, Fabricius.

242. LARRA EXTENSA (Walker).

Larrada extensa, Walk. Ann. & Mag. Nat. Hist. ser. 3 (1860),

305; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 24.

Larra extensa, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 243; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 125, 5.

Genus NOTOGONIA, Costa.

243. NOTOGONIA SUBTESSELATA (Smith).

Larrada subtesselata, Smith, Cat. Hym. Ins. B. M. iv. 277, 11 ♀; Jour. Linn. Soc. xi. (1867), 364, 7.

Larra subtesselata, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 248.

Notogonia subtesselata, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 130, 4.

Pundaloya (*Green coll.*).

244. NOTOGONIA DEPLANATA, Kohl.

Notogonia deplanata, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1883, 358, 2 ♀; id. *ibid.* 1884, 75; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 130, 3.

245. NOTOGONIA JACULATOR (Smith).

Larrada jaculator, Smith, Cat. Hym. Ins. B. M. iv. 279, 15 ♀; Jour. Linn. Soc. xi. (1867), 364, 11.

Larra jaculator, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 244.

Notogonia jaculator, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 129, 2.

Pundaloya (*Green coll.*).

246. NOTOGONIA LABORIOSA (Smith).

Larrada laboriosa, Smith, Cat. Hym. Ins. B. M. iv. 278, 12 ♀; Jour. Linn. Soc. xi. (1867), 364, 8.

Larra laboriosa, Kohl, Verh. zool.-bot. Ges. Wien, 1884, 245; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 125, 6.

Pundaloya (*Green coll.*).

247. NOTOGONIA VIGILANS (Smith).

Larrada vigilans, Smith, Cat. Hym. Ins. B. M. iv. 279, 16 ♀.

Larra vigilans, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 248.

Pundaloya (*Green coll.*).

Two specimens in Mr. Green's collection agree fairly well with Smith's description, so far as it goes. The insect was originally described from China. It occurs in Sikkim and also in Burma.

248. NOTOGONIA TISIPHONE (Smith).

Larrada tisiphone, Smith, Jour. Linn. Soc. ii. (1858), 103, 5 ♀; id. *ibid.* xi. (1867), 364, 15.

Larra tisiPHONE, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 248; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 125, 10.

Pundaloya (*Green coll.*).

Genus *LIRIS*, Fabricius.

249. *LIRIS HÆMORRHOIDALIS* (Fabricius).

Pompilus hæmorrhoidalis, Fabr. Syst. Piez. 198, 55.

Lyrops savignyi, Spin. Ann. Soc. Ent. Fr. vii. (1838), 476, 20.

Liris orichalcea, Dahlb. Hym. Eur. i. 135.

Liris savignyi, Dahlb. Hym. Eur. i. 471, 2.

Tachytes illudens, Lepel. Hym. iii. 249, 12.

Larrada hæmorrhoidalis, Smith, Cat. Hym. Ins. B. M. iv. 280, 17.

Liris hæmorrhoidalis, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 256, 1 ♀ ♂; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 131, 1.

Pundaloya (*Green coll.*).

There are sixteen specimens in Mr. Green's collection, none of them typical; all want the rich golden pubescence on the abdomen, which gives specimens from Western India the wonderful tessellated appearance.

250. *LIRIS AURATUS* (Fabricius).

Sphecx aurata, Fabr. Ent. Syst. ii. 213, 64.

Pompilus auratus, Fabr. Ent. Syst. Suppl. 250, 25.

Liris aurata, Fabr. Syst. Piez. 228, 3; Dahlb. Hym. Eur. i. 135; Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 241.

Lyrops auratus, Guér. Icon. Règn. Anim. iii. 440.

Tachytes opulenta, Lepel. Hym. iii. 246 ♀ ♂.

Larrada aurulenta, Smith, Cat. Hym. Ins. B. M. iv. 276, 6; Jour. Linn. Soc. xi. (1867), 363, 1.

Liris auratus, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 131, 2.

Pundaloya (*Green coll.*).

251. *LIRIS DUCALIS* (Smith).

Larrada ducalis, Smith, Jour. Linn. Soc. v. (1860), 84, 1 ♀; id. *ibid.* xi. (1867), 365, 23.

Liris ducalis, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 243.

Pundaloya (*Green coll.*).

Also found in Burma.

Genus *PIAGETIA*, Ritsema.

252. *PIAGETIA FASCIATIPENNIS*, Cameron.

Piagetia fasciatipennis, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 16; id. *ibid.* p. 134.

Genus *PALARUS*, Latreille.253. *PALARUS ORIENTALIS*, Kohl.

Palarus orientalis, Kohl, Verh. d. k.-k. zool.-bot. Ges. Wien, 1884, 422, 2 ♂; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, ii. (1889), 148, 1.

Family NYSSONIDÆ, Wesmael.

Genus *STIZUS*, Latreille.254. *STIZUS PRISMATICUS* (Smith).

Larra prismatica, Smith, Jour. Linn. Soc. ii. (1858), 103, 1 ♀ ♂; id. ibid. xi. (1867), 367, 10.

Stizus prismaticus, Sich. Hym. d. Novara-Reise, 142; Handl. Sitzungsab. d. k. Akad. d. Wissensch. Wien, 1892, 55, 21.

Pundaloya (*Green coll.*).

Genus *GORYTES*, Latreille.255. *GORYTES GREENII*, sp. nov. (Plate XV. fig. 8.)

♀. L. 14 millim. Exp. 32 millim.

Brownish red variegated with yellow; wings flavo-hyaline, the fore wing with a large dark brown macula on the costal margin at the apex.

Head not so broad as the thorax, smooth, or with only a few scattered punctures, covered with a thin sericeous golden pile only seen in certain lights; mandibles yellow, ferruginous at apex; clypens light brownish red, transversely oval and convex; antennæ brown above, fulvous red below; the scape in front and an abbreviated line on the inner margin of the eyes yellow; front slightly concave; the ocelli in a broad triangle on the vertex, a shallow furrow from the anterior ocellus to a little above the antennæ. Thorax brown; prothorax smooth and shining, its posterior margin broadly yellow; mesothorax above very finely longitudinally striated, carrying two short parallel carinæ on the disc anteriorly; scutellum, postscutellum, and the sides of the thorax somewhat coarsely striated, a broad fascia on the scutellum, a narrower one on the postscutellum, and a spot under the base of the wings yellow; metathorax posteriorly rounded, roughly reticulated, the triangular enclosed space at its base longitudinally striate. Wings yellowish hyaline and iridescent; the front wing with a large dark brown spot occupying the whole of the radial cell, and extending below into the 2nd and 3rd cubital cells; the 2nd cubital cell, receiving both recurrent nervures, is at base about two-thirds the length of the 3rd cubital cell; the 1st and 3rd cubital cells subequal; tegulæ and stigma testaceous, nervures brown. Legs reddish brown, paler on the underside. Abdomen petiolated, brown, smooth and shining, a broad yellow fascia on the posterior margin of the 2nd and 5th segments above; the base and apex of the

petiole and the posterior margins of the 3rd and 4th segments light red; underneath the abdomen is brown, with the posterior margins of all the segments reddish.

Pundaloya (*Green coll.*).

This large and well-marked species I have ventured to name after Mr. Green. It is not closely allied to any species of *Gorytes* known to me. At the time of capture of the type she was carrying off a Homopterous insect with which to store her nest.

Genus BEMBEX, Fabricius.

256. BEMBEX SULPHURESCENS, Dahlbom.

Bembex sulphurescens, Dahlb. Hym. Eur. i. 180, and 491, 24; Smith, Cat. Hym. Ins. B. M. iv. 328, 46; id. Jour. Linn. Soc. xi. (1867), 366, 3; Sich. Hym. d. Novara-Reise, 141; Handlirsch, Sitz. d. k. Akad. d. Wissensch. Wien, 1893, 897, 137.

257. BEMBEX TREPANDA, Dahlbom.

Bembex trepanda, Dahlb. Hym. Eur. i. 181, and 490, 23; Smith, Cat. Hym. Ins. B. M. iv. 328, 45; id. Jour. Linn. Soc. xi. (1867), 366, 2; Sich. Hym. d. Novara-Reise, 141; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 247, 2; Handlirsch, Sitz. d. k. Akad. d. Wissensch. Wien, 1893, 736, 19.

Pundaloya (*Green coll.*).

258. BEMBEX INDICA, Handlirsch.

? *Bembex glauca*, Fabr. Mant. Ins. i. 285, 5; Oliv. Encycl. Méthod. iv. 291, 6 ♀; Fabr. Ent. Syst. ii. 249 ♀; Syst. Piez. 224, 8; Dahlb. Hym. Eur. i. 491 ♀ ♂.

Bembex indica, Handlirsch, Sitz. d. k. Akad. d. Wissensch. Wien, 1893, 771, 39.

259. BEMBEX BORREI, Handlirsch.

Bembex borrei, Handlirsch, Sitz. d. k. Akad. d. Wissensch. Wien, 1893, 866, 102.

Family CEROCERIDÆ, Wesmæl.

Genus CERCERIS, Latreille.

260. CERCERIS NOVARÆ, Saussure.

Cerceris novaræ, Sauss. Hym. d. Novara-Reise, 92, 9 ♀ (1867), pl. iv. f. 54; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 249, 14 & 257.

? *Cerceris fervens*, Smith, Ann. & Mag. Nat. Hist. ser. 4, xii. (1873), 411; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 249, 6 & 256.

Pundaloya (*Green coll.*).

One specimen, a male, in Mr. Green's collection has the yellow bands on the abdominal segments very narrow, and interrupted in the middle above.

261. *CERCERIS INSTABILIS*, Smith.

Cerceris instabilis, Smith, Cat. Hym. Ins. B. M. iv. 452, 74 ♂ ♀; id. Jour. Linn. Soc. 370, 6; Sauss. Hym. d. Novara-Reise, 92, 10; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 249, 11.

Cerceris velox, Smith, Trans. Ent. Soc. 1875, 41 ♂.

This species occurs abundantly in Burma and Sikkim. From Ceylon, it is recorded by de Saussure.

262. *CERCERIS HUBERTIANA*, Saussure.

Cerceris humbertiana, Sauss. Hym. d. Novara-Reise, 97, 4 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 249, 10.

Cerceris rufinodis, Smith, Trans. Ent. Soc. 1875, 41.

Cerceris viscosus, Smith, Trans. Ent. Soc. 1875, 40.

263. *CERCERIS EMORTUALIS*, Saussure.

Cerceris emortualis, Sauss. Hym. d. Novara-Reise, 98, 20; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 248, 4.

Cameron considers this species as a variety only of *C. humbertiana*.

Genus *PHILANTHUS*, Fabricius.264. *PHILANTHUS BASALIS*, Smith.

Philanthus basalis, Smith, Cat. Hym. Ins. B. M. iv. 473, 17 ♀; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 23; Smith, Jour. Linn. Soc. xi. (1867), 371, 5; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 248, 6.

Family *CRA BRONIDÆ*, Leach.Genus *CRABRO*, Fabricius.265. *CRABRO PALITANS*, sp. nov. (Plate XV. fig. 6.)

♀. L. 11 millim. Exp. 18 millim.

Black variegated with yellow, the wings hyaline, fore wing yellowish brown along the costal margin.

Head black, broad, quadrate, the mandibles with a yellow stain on their outer side, the clypeus covered with dense golden pile, more than twice as broad as high, a short perpendicular carina down its middle, its anterior margin waved; the antennæ with the scape yellow in front, the flagellum piceous; the face up to the ocelli closely punctured and covered with golden pile; the vertex, the back of the head, and behind the eyes smooth and shining, with a narrow fringe of golden pile along the orbits. Thorax black; a line on the posterior margin of the prothorax, interrupted in the middle, a spot on the propleuræ, a long triangular mark on the mesopleuræ, the scutellum, a spot on the

tegulae, and a line on the postscutellum posteriorly, yellow; the prothorax anteriorly smooth and shining, the mesothorax above closely and finely punctured, and the metathorax posteriorly rounded and rather closely and coarsely punctured, the punctures running into oblique divergent striae; the wings hyaline, the front wing brownish yellow along the costal margin. Legs black, the anterior and intermediate femora and tibiae marked with yellow on the outside, the posterior tibiae yellow, black at the base; the tarsi piceous. The abdomen sub-petiolate, broadly oval, black, smooth and shining; the basal segment and the base of the 2nd segment above finely punctured, the 2nd to the 5th segments with lateral yellow maculae at their bases, the apical segment and the abdomen beneath black.

Pundaloya (*Green coll.*).

This species is closely allied to *O. fuscipennis*, Lepeletier, but is abundantly distinct in size, in colour of the wings, and in the markings.

Genus DASYPROCTUS, Lepeletier.

266. DASYPROCTUS CEYLONICUS, Saussure.

Dasyproctus ceylonicus, Sauss. Hym. d. Novara-Reise, 85 ♀, tab. iv. f. 51; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 275, 1.

Recorded by de Saussure from Ceylon, occurs also in Sikkim and Burma.

Genus OXYBELUS, Latreille.

267. OXYBELUS INSULARIS, Kohl.

Oxybelus insularis, Kohl, Termesz. Füzetek, viii. (1884), 109 ♀; Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 276, 7.

268. OXYBELUS LEWISI, Cameron.

Oxybelus lewisi, Cam. Mem. & Proc. Manch. Lit. & Phil. Soc. ser. 4, iii. (1890), 282.

Genus STIGMUS, Jurine.

269. STIGMUS NIGER, Motschulsky.

Stigmus niger, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 23.

Pundaloya (*Green coll.*).

This species is very close to the ordinary *S. pendulus*, Panz., found in Europe.

270. STIGMUS CONGRUENS, Walker.

Stigmus congruens, Walk. Ann. & Mag. Nat. Hist. ser. 3, v. (1860), 304; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 23.

Family VESPIDÆ, Stephen.

Genus LABUS, Saussure.

271. LABUS HUBERTIANUS, Saussure.

Labus humbertianus, Sauss. Hym. d. Novara-Reise, 4, 2 ♀ ♂.

Genus ZETHUS, Fabricius.

272. ZETHUS CEYLONICUS, Saussure.

Zethus ceylonicus, Sauss. Hym. d. Novara-Reise, 5, 1 ♀.

Genus EUMENES, Latreille.

273. EUMENES PETIOLATA (Fabricius).

Vespa petiolata, Fabr. Sp. Ins. i. 467; Mant. Ins. i. 292; Ent. Syst. ii. 278, 37; Oliv. Encycl. Méth. ii. 670.*Eumenes petiolata*, Fabr. Syst. Piez. 284; Latr. Hist. Nat. Ins. iii. 360; Westw. Ins. India, 90, t. 5. f. 2.*Eumenes petiolatus*, Sauss. Mon. Guêpes Sol. 47, 28.Pundaloya (*Green coll.*).

274. EUMENES FLAVOPICTA, Blanchard.

Eumenes flavopicta, Blanch. Dict. d'Hist. Nat. de Ch. d'Orb. Ins. Hym. pl. ii. f. 2; Sauss. Mon. Guêpes Sol. 65, 52 ♀; Smith, Cat. Hym. Ins. B. M. v. 22, 18; id. Jour. Linn. Soc. xi. (1867), 371, 7.*Eumenes arcuata*, Westw. Ins. Ind. 90, t. 57. f. 3.Pundaloya (*Green coll.*).

275. EUMENES HUBERTIANUS, Saussure.

Eumenes humbertianus, Sauss. Hym. d. Novara-Reise, 6, 2 ♀ ♂.Pundaloya (*Green coll.*).

Genus RHYNCHIUM, Spinola.

276. RHYNCHIUM CARNATICUM (Fabricius).

Vespa carnatica, Fabr. Ent. Syst. Suppl. 261, 21; Syst. Piez. 258, 22.*Ryngchium carnaticum*, Sauss. Mon. Guêpes Sol. 112, 17.*Rhynchium carnaticum*, Smith, Cat. Hym. Ins. B. M. v. 44, 8; Jour. Linn. Soc. xi. (1867), 374, 6.Pundaloya (*Green coll.*).

277. RHYNCHIUM METALLICUM (Saussure).

Ryngchium metallicum, Sauss. Mon. Guêpes Sol. 114, 21 ♀ ♂.*Rhynchium metallicum*, Smith, Cat. Hym. Ins. B. M. v. 45, 9; Jour. Linn. Soc. xi. (1867), 375, 7.Pundaloya (*Green coll.*).

Genus ODYNERUS, Latreille.

278. ODYNERUS OVALIS, Saussure.

Odynerus ovalis, Sauss. Mon. Guêpes Sol. 215, 122 ♂ ; Smith, Cat. Hym. Ins. B. M. v. 59, 58 ; Jour. Linn. Soc. xi. (1867), 376, 4. Pundaloya (*Green coll.*).

279. ODYNERUS HUBERTIANUS, Saussure.

Odynerus humbertianus, Sauss. Hym. d. Novara-Reise, 13, 11 ♀ ♂ . Pundaloya (*Green coll.*).

280. ODYNERUS CEYLONICUS, Saussure.

Odynerus ceylonicus, Sauss. Hym. d. Novara-Reise, 12, 10 ♀ ♂ .

281. ODYNERUS FISTULOSUS, Saussure.

Odynerus fistulosus, Sauss. Hym. d. Novara-Reise, 11, 7 ♀ . Pundaloya (*Green coll.*).

282. ODYNERUS SICHELII, Saussure.

Odynerus sichelii, Sauss. Mon. Guêpes Sol., Suppl. 206, 94 ♀ ; Smith, Cat. Hym. Ins. B. M. v. 58, 55 ; id. Jour. Linn. Soc. xi. (1867), 375, 1 ; Sauss. Hym. d. Novara-Reise, 8, 1 ♀ ♂ .

283. ODYNERUS TINCTIPENNIS, Walker.

Odynerus tinctipennis, Walk. Ann. & Mag. Nat. Hist. ser. 3, v. (1860), 304.

Ancistocerus tinctipennis, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 23.

284. ODYNERUS INTENDENS, Walker.

Odynerus intendens, Walk. Ann. & Mag. Nat. Hist. ser. 3, v. (1860), 304.

Ancistocerus intendens, Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 23.

Genus ISCHNOGASTER, Guérin.

285. ISCHNOGASTER EXIMIUS, Bingham.

Ischnogaster eximius, Bingham. Jour. Bomb. Nat. Hist. Soc. v. (1890), 244, 17 ♂ .

Pundaloya (*Green coll.*).

Genus VESPA, Linnæus.

286. VESPA CINCTA, Fabricius.

Vespa cincta, Fabr. Syst. Ent. x. 362, 1 ; Spec. Ins. 458, 1 ; Mant. Ins. i. 287, 1 ; Ent. Syst. ii. 254, 6 ; Syst. Piez. 253, 1 ; Lepel. Hym. i. 505, 1 ; Sauss. Mon. Guêpes Soc. 152, 37 ♀ ; Smith, Cat. Hym. Ins. B. M. v. 118, 12 ; Jour. Linn. Soc. xi. (1867), 382, 2.

Sphex tropica, Sulz. Die Kenn. d. Insect. t. 27. f. 5.

Vespa unifasciata, Oliv. Encycl. Méth. vi. 877, 39.

Vespa tenebrionis, Christ, Hym. 216.

Pundaloya (*Green coll.*).

The remarks in Tennent's 'Natural History of Ceylon,' ch. xii. p. 417, evidently refer to this insect, and not to *Sphex ferruginea*, Lepel. = *aurulentus*, Fabr.

287. VESPA OBLITERATA, Smith.

Vespa obliterata, Smith, Trans. Ent. Soc. new ser. ii. (1852-53), 47; Saussure, Mon. Guêpes Soc. 149, 32 ♀; Smith, Cat. Hym. Ins. B. M. v. 119, 18; Jour. Linn. Soc. xi. (1867), 383, 8.

Pundaloya (*Green coll.*).

Genus POLISTES, Latreille.

288. POLISTES STIGMA, Fabricius.

Vespa stigma, Fabr. Ent. Syst. ii. 275, 78.

Vespa tamula, Fabr. Ent. Syst. Suppl. 263, 78.

Polistes stigma, Fabr. Syst. Piez. 261, 41; Sauss. Mon. Guêpes Soc. 64, 21 ♀; Smith, Cat. Hym. Ins. B. M. v. 102, 9; Jour. Linn. Soc. xi. (1867), 381, 5.

Polistes tamula, Fabr. Syst. Piez. 274, 27.

Pundaloya (*Green coll.*).

Genus ICARIA, Saussure.

289. ICARIA FERRUGINEA, Fabricius.

Vespa ferruginea, Fabr. Ent. Syst. ii. 280, 95.

Polistes ferruginea, Fabr. Syst. Piez. 277, 39.

Icaria ferruginea, Sauss. Mon. Guêpes Soc. 38, 17 ♀ ♂, pl. v. f. 6; Smith, Cat. Hym. Ins. B. M. v. 97, 20; Jour. Linn. Soc. xi. (1867), 378, 2.

Pundaloya (*Green coll.*).

290. ICARIA MARGINATA, Lepeletier.

Epipona marginata, Lepel. Hym. i. 541, 3 ♂ ♂.

Icaria ferruginea, Sauss. (nec Fabr.), Mon. Guêpes Soc. 38, 17 (var.).

Icaria marginata, Sauss. Mon. Guêpes Soc. App. 237 ♂; Smith, Cat. Hym. Ins. B. M. v. 97, 21.

Pundaloya (*Green coll.*).

Family ANDRENIDÆ, Leach.

Genus PROSOPIS, Fabricius.

291. PROSOPIS MONILICORNIS, Motschulsky.

Prosopis monilicornis, Motsch. Bull. Soc. Imp. d. Nat. Mosc. (1863), 24, 245; Smith, Jour. Linn. Soc. xi. (1867), 385, 6.

Genus *NOMIA*, Latreille.292. *NOMIA CAPITATA*, Smith.

Nomia capitata, Smith, Trans. Ent. Soc. 1875, 54, 1 ♂.

Pundaloya (*Green coll.*).

293. *NOMIA CARINATA*, Smith.

Nomia carinata, Smith, Trans. Ent. Soc. 1875, 57, 8 ♀.

294. *NOMIA CHALYBEATA*, Smith.

Nomia chalybeata, Smith, Trans. Ent. Soc. 1875, 59, 14 ♀ ♂,
pl. ii. f. 5 ♂.

Pundaloya (*Green coll.*).

295. *NOMIA QUADRIDENTATA*, Smith.

Nomia quadridentata, Smith, Trans. Ent. Soc. 1875, 58, 11 ♀ ♂,
pl. ii. f. 6 ♂.

Pundaloya (*Green coll.*).

296. *NOMIA RUSTICA*, Westwood.

Nomia rustica, Westw. apud Smith, Cat. Hym. Ins. B. M. i. 90,
21 ♂; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull.
Soc. Imp. d. Nat. Mosc. 1863, 25.

297. *NOMIA VINCTA*, Walker.

Nomia vincta, Walk. Ann. & Mag. Nat. Hist. ser. 3, v. (1860),
305; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc.
Imp. d. Nat. Mosc. 1863, 25.

Genus *HALICTUS*, Latreille.298. *HALICTUS AGRESTIS*, Smith.

Halictus agrestis, Smith, Cat. Hym. Ins. B. M. i. 61, 72 ♀; Jour.
Linn. Soc. xi. (1867), 386, 2.

Pundaloya (*Green coll.*).

299. *HALICTUS AMENUS*, sp. nov.

♀. L. 8 millim. Exp. 14 millim.

Black, the head, thorax in front, and the basal segment of the abdomen piceous; wings sordid hyaline; legs with glistening fulvous pubescence, the tarsi light testaceous.

The head finely and closely punctured, and covered with a thin fulvous pubescence; the clypeus broad, its anterior margin fringed with long fulvous hairs and marked with a few deep coarse punctures, the space above it convex, from which a short perpendicular carina runs up between the base of the antennæ; the front of the face subconcave; the ocelli in a broad triangle on the vertex; the antennæ piceous, lighter on the scape in front. Thorax, the mesothorax above broad, convex, finely and closely

punctured, an abbreviated longitudinally impressed line on either side on the disc close to the tegulæ; the scutellum raised and prominent; the postscutellum with close short fulvous pubescence; the metathorax opaque black, thinly pubescent, flattened laterally, with the apex abruptly truncated, an enclosed triangular space at its base subconcave and closely punctured. The wings sordid hyaline, the tegulæ and nervures testaceous brown. Legs testaceous brown, covered with a glistening fulvous pubescence; the tarsi light testaceous. Abdomen black, the basal segment above piceous, very smooth and shining; the remaining segments finely and closely punctured at their base, their posterior margins smooth, shining, and narrowly testaceous. Beneath the abdomen is black and thinly pubescent.

Pundaloya (*Green coll.*).

Described from four specimens in my own collection, from Sikkim and Tenasserim, and two specimens in Mr. Green's collection. It is nearest to, but perfectly distinct from, the recently-described *H. amitinus*, Vachal, from the Karen Hills, in Burma. From this species it differs in the sculpture and shape of the metathorax, and in wanting the pubescent white bands on the abdomen.

300. HALICTUS VERNALIS, Smith.

Halictus vernalis, Smith, Desc. New Spec. Hym. B. M. 30, 2 ♀.

301. HALICTUS TIMIDUS, Smith.

Halictus timidus, Smith, Desc. New Spec. Hym. B. M. 31, 3 ♀.

Genus ANDRENA, Fabricius.

302. ANDRENA EXAGENS, Walker.

Andrena exagens, Walk. Ann. & Mag. Nat. Hist. ser. 3, v. (1860), 305; Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25.

Family APIDÆ, Leach.

Genus MEGACHILE, Latreille.

303. MEGACHILE LANATA, Fabricius.

Apis lanata, Fabr. Ent. Syst. ii. 335, 90.

Anthophora lanata, Fabr. Syst. Piez. 372, 1.

Megachile lanata, Lepel. Hym. ii. 342, 16 ♀; Smith, Cat. Hym. Ins. B. M. i. 177, 97; Jour. Linn. Soc. xi. (1867), 387, 1.

Pundaloya (*Green coll.*).

304. MEGACHILE CONJUNCTA, Smith.

Megachile conjuncta, Smith, Cat. Hym. Ins. B. M. i. 175, 90 ♂ ♀; Jour. Linn. Soc. xi. (1867), 388, 19.

Pundaloya (*Green coll.*).

305. MEGACHILE ARDENS, Smith.

Megachile ardens, Smith, Desc. New Spec. Hym. B. M. 67, 19 ♀.
Pundaloya (*Green coll.*).

306. MEGACHILE CEYLONICA, sp. nov. (Plate XV. fig. 9.)

♂. L. 11 millim. Exp. 18 millim.

Black, the face, thorax below, and legs with white pubescence, the pubescence on the thorax above and the fimbria on the abdominal segments ochraceous. Head very broad, closely and finely punctured; mandibles large, black, channelled and coarsely punctured in front; ocelli prominent, placed in a curve on the vertex; clypens covered with thick white pubescence. Thorax pieceous black, finely and closely punctured, covered with a thin ochraceous pubescence; wings brownish hyaline, darker along their costal margins; legs stout, black, thickly fringed below with long white pubescence, claws bifid at the tip. Abdomen black, the margins of all but the two apical segments with narrow bands of ochraceous pubescence widening somewhat at the sides, the two apical segments shining, closely and very finely punctured, the extreme apex notched.

Pundaloya (*Green coll.*).

This species may be the male of *M. ardens*, Smith, but it differs considerably in form and in the colour of the pubescence. It resembles *M. laticeps*, Smith, but differs in the colour of the pubescence on the head and face, which is white, not golden-yellow.

Genus LITHURGUS, Latreille.

307. LITHURGUS ATRATUS, Smith.

Lithurgus atratus, Smith, Cat. Hym. Ins. B. M. i. 145, 7 ♀;
Jour. Linn. Soc. xi. (1867), 390, 1.

Pundaloya (*Green coll.*).

Genus CROCISA, Jurine.

308. CROCISA SCUTELLARIS, Fabricius.

Nomada scutellaris, Fabr. Ent. Syst. ii. 346, 2.

Melecta scutellaris, Fabr. Syst. Piez. 387, 4.

Crocisa histrionica, Latr. Gen. Crust. Ins. iv. 172.

Crocisa scutellaris, Lepel. Hym. ii. 453, 7 ♀; Smith, Cat. Hym. Ins. B. M. ii. 276, 2.

309. CROCISA RAMOSA, Lepelletier.

Crocisa ramosa, Lepel. Hym. ii. 451, 5 ♀ ♂; Smith, Cat. Hym. Ins. B. M. ii. 277, 7; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25.

Pundaloya (*Green coll.*).

310. *CROCISA EMARGINATA*, Lepeletier.

Crocisa emarginata, Lepel. Hym. ii. 449, 3 ♀ ♂; Smith, Cat. Hym. Ins. B. M. ii. 277, 5; Jour. Linn. Soc. xi. (1867), 390, 3.
Pundaloya (*Green coll.*).

Genus ALLODAPE, Lepeletier.

311. ALLODAPE MARGINATA, Smith.

Allodape marginata, Smith, Cat. Hym. Ins. B. M. ii. 230, 7 ♀; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25; Smith, Jour. Linn. Soc. xi. (1867), 390, 1.

Genus CÆLIOXYS, Latreille.

312. CÆLIOXYS CAPITATA, Smith.

Cælioxys capitata, Smith, Cat. Hym. Ins. B. M. ii. 267, 34 ♀ ♂; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25.

313. CÆLIOXYS CONFUSUS, Smith.

Cælioxys confusus, Smith, Trans. Ent. Soc. 1875, 50 ♀.
Pundaloya (*Green coll.*).

Genus STELIS, Panz.

314. STELIS CARBONARIA, Smith.

Stelis carbonaria, Smith, Cat. Hym. Ins. B. M. ii. 275, 9 ♀ ♂; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25.

Genus CERATINA, Latreille.

315. CERATINA VIRIDIS, Guérin.

Ceratina viridis, Guér. Icon. Règ. Anim. 444, t. 73. f. 6; Smith, Cat. Hym. Ins. B. M. ii. 224, 9; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25; Smith, Jour. Linn. Soc. xi. (1867), 391, 1.
Pundaloya (*Green coll.*).

316. CERATINA PICTA, Smith.

Ceratina picta, Smith, Cat. Hym. Ins. B. M. ii. 224, 10 ♀; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25; Smith, Jour. Linn. Soc. xi. (1867), 391, 2.

317. CERATINA SIMILLIMA, Smith.

Ceratina simillima, Smith, Cat. Hym. Ins. B. M. ii. 225, 11 ♂; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc.

Imp. d. Nat. Mosc. 1863, 25; Smith, Jour. Linn. Soc. xi. (1867), 381, 3.

Genus *NOMADA*, Fabricius.

318. *NOMADA LUSCA*, Smith.

Nomada lusca, Smith, Cat. Hym. Ins. B. M. ii. 243, 58 ♀; Jour. Linn. Soc. xi. 391, 2.

Pundaloya (*Green coll.*).

Originally described by Smith from the Philippine Islands, this species occurs also in Burma and Sikkim. It is a somewhat variable insect, and Smith's description is insufficient. I have, however, examined the type in the British Museum, with which the Burmese specimens agree exactly; the Ceylon and Sikkim specimens are darker, and the former has a dull yellow spot on each side, at the base of the 2nd abdominal segment. In Sikkim specimens these two spots coalesce above and form an obscure band at the base of the segment.

Genus *ANTHOPHORA*, Latreille.

319. *ANTHOPHORA ZONATA* (Linnaeus).

Apis zonata, Linn. Syst. Nat. i. 955.

Andrena zonata, Fabr. Ent. Syst. ii. 311, 19.

Megilla zonata, Fabr. Syst. Piez. 331, 13.

Anthophora zonata, Lepel. Hym. ii. 25, 1; Smith, Cat. Hym. Ins. B. M. ii. 336, 90; id. Jour. Linn. Soc. xi. (1867), 392, 1; Sich. Suppl. Hym. Novara Reise, 153.

Pundaloya (*Green coll.*).

320. *ANTHOPHORA VIOLACEA*, Lepeletier.

Anthophora violacea, Lepel. Hym. ii. 80, 47; Smith, Cat. Hym. Ins. B. M. ii. 338, 96.

Pundaloya (*Green coll.*).

321. *ANTHOPHORA CINGULATA* (Fabricius).

Andrena cingulata, Fabr. Ent. Syst. ii. 314, 30 ♀.

Megilla cingulata, Fabr. Syst. Piez. 332, 18.

Anthophora cingulata, Lepel. Hym. ii. 46 ♀; Sich. Suppl. Hym. d. Novara Reise, 153.

322. *ANTHOPHORA FALLAX*, Smith.

Anthophora fallax, Smith, Desc. New Spec. Hym. B. M. 120, 3 ♂.

Pundaloya (*Green coll.*).

Only one specimen in Mr. Green's collection, which is not quite typical, as it wants the fulvous fasciæ on the underside of the abdomen. Originally described from Natal, it is a wide-spread species, occurring throughout India.

323. ANTHOPHORA INSULARIS, Smith.

Anthophora insularis, Smith, Jour. Linn. Soc. ii. (1858), 48, 2 ♀; id. ibid. xi. (1867), 392, 7.

Pundaloya (*Green coll.*).

Originally described from Borneo, this species is common in Burma and in Sikkim. *A. vigilans*, described three years later by Mr. Smith from the Celebes, seems to me only a large form of *A. insularis*.

Genus XYLOCAPA, Latreille.

324. XYLOCAPA LATIPES (Drury).

Apis latipes, Drury, Ill. Exot. Ins. ii. 98, t. 48. f. 2 ♂; Fabr. Ent. Syst. ii. 314, 1 ♀.

Apis gigas, Degeer, Mém. Hist. Ins. iii. 576, pl. 28. f. 15.

Xylocapa latipes, Fabr. Syst. Piez. 337, 1; Lepel. Hym. ii. 203, 51 ♀ ♂; Smith, Cat. Hym. Ins. B. M. ii. 353, 43; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25; Smith, Jour. Linn. Soc. xi. (1867), 392, 1; Trans. Ent. Soc. 1874, 267, 40.

325. XYLOCAPA TENUISCAPA, Westwood.

Xylocapa tenuiscapa, Westw. Nat. Libr. xxxviii. 271, t. 23. f. 2 ♂; Smith, Cat. Hym. Ins. B. M. ii. 353, 41; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25; Smith, Jour. Linn. Soc. xi. (1867), 393, 6; Trans. Ent. Soc. 1874, 268, 41.

Xylocapa latreillii, Lepel. Hym. ii. 206, 55 ♀ ♂.

Xylocapa viridipennis, Lepel. Hym. ii. 205, 54 ♀ var.

Pundaloya (*Green coll.*).

326. XYLOCAPA FENESTRATA (Fabricius).

Apis fenestrata, Fabr. Ent. Syst. Suppl. 273, 3 ♀.

Xylocapa fenestrata, Fabr. Syst. Piez. 339, 6; Lepel. Hym. ii. 184, 15 ♀ ♂; Smith, Cat. Hym. Ins. B. M. ii. 353, 46; Jour. Linn. Soc. xi. (1867), 393, 10; Trans. Ent. Soc. 1874, 269, 44 ♀ ♂.

Xylocapa indica, Klug, Mag. d. Gesell. naturf. Freunde zu Berlin (1807), 264.

Pundaloya (*Green coll.*).

327. XYLOCAPA COLLARIS, Lepeletier.

Xylocapa collaris, Lepel. Hym. ii. 189, 26 ♀; Smith, Cat. Hym. Ins. B. M. ii. 353, 47; Jour. Linn. Soc. xi. 393, 11; Trans. Ent. Soc. 1874, 270, 46 ♀ ♂.

Xylocapa dejeanii, Lepel. Hym. ii. 209, 59 ♀; Smith, Cat. Hym. Ins. B. M. ii. 357, 62; Jour. Linn. Soc. xi. 394, 21.

Pundaloya (*Green coll.*).

328. *XYLOCAPA ALBO-FASCIATA*, Sichel.

Xylocapa albo-fasciata, Sichel, Suppl. Hym. d. Novara-Reise, 154 ♀; Smith, Trans. Ent. Soc. 1874, 268, 42.

329. *XYLOCAPA IGNITA*, Smith.

Xylocapa ignita, Smith, Trans. Ent. Soc. 1874, 276, 62 ♀.
Pundaloya (*Green coll.*).

330. *XYLOCAPA NIGROCÆRULEA*, Smith.

Xylocapa nigrocærulea, Smith, Trans. Ent. Soc. 1874, 279, 70 ♀.

Pundaloya (*Green coll.*).

One specimen which with some doubt I refer to this species; it agrees fairly well with Smith's description, so far as this goes.

331. *XYLOCAPA BRYORUM* (Fabricius).

Apis bryorum, Fabr. Ent. Syst. ii. 321, 28 ♂.

Bombus bryorum, Fabr. Syst. Piez. 348, 28.

Xylocapa dimidiata, Lepel. Hym. ii. 199, 44 ♀; Smith, Cat. Hym. Ins. B. M. ii. 357, 66; Jour. Linn. Soc. xi. (1867), 394, 25.

Xylocapa bryorum, Smith, Trans. Ent. Soc. 1874, 275, 59 ♀ ♂.

Pundaloya (*Green coll.*).

332. *XYLOCAPA DISSIMILIS*, Lepeletier.

Xylocapa dissimilis, Lepel. Hym. ii. 180, 9 ♀ ♂; Smith, Cat. Hym. Ins. B. M. ii. 356, 58; Sichel, Suppl. Hym. Novara-Reise, 155; Smith, Jour. Linn. Soc. xi. (1867), 394, 19; Trans. Ent. Soc. 1874, 268, 43 ♀ ♂.

Xylocapa lunulata, Lepel. Hym. ii. 184, 14 ♂ var.

Genus *APIS*, auctorum.333. *APIS DORSATA*, Fabricius.

Apis dorsata, Fabr. Ent. Syst. ii. 328, 64; Syst. Piez. 370, 7; Lepel. Hym. i. 405, 9 ♀; Smith, Cat. Hym. Ins. B. M. ii. 415, 5; Jour. Linn. Soc. xi. (1867), 396, 1.

Apis nigripennis, Latr. Ann. Mus. Hist. Nat. v. (x.) 170, 4, t. 13. f. 7.

Apis bicolor, Klug, Mag. d. Gesell. naturf. Freunde zu Berlin, 1807, 264, t. 7. f. 3.

Apis zonata, Guér. (*nec* Linn.), Bélang. Voy. Ind. Orient. 504, pl. 4. f. 6.

Apis testacea, Smith, Jour. Linn. Soc. ii. (1858), 49, 5 (immature).

Pundaloya (*Green coll.*).

334. *APIS INDICA*, Fabricius.

Apis indica, Fabr. Ent. Syst. Suppl. 274, 59; Syst. Piez. 370, 4; Lepel. Hym. i. 403, 5 ♀; Smith, Cat. Hym. Ins. B. M. ii.

416, 7; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25; Smith, Jour. Linn. Soc. xi. (1867), 396, 4.

Apis peronii, Latr. Ann. Mus. Hist. Nat. v. (x.), 173.

Apis socialis, Latr. Ann. Mus. Hist. Nat. v. (x.), 172.

Apis delessertii, Guér. Icon. Règ. Anim. 461.

Apis perottetii, Guér. Icon. Règ. Anim. 461.

Pundaloya (*Green coll.*); Trincomalee (*Yerbury coll.*).

335. *APIS FLORALIS*, Fabricius.

Apis floralis, Fabr. Syst. Piez. 373, 6; Smith, Jour. Linn. Soc. xi. (1867), 396, 6.

Apis andreniformis, Smith, Jour. Linn. Soc. ii. (1858), 49, 4 ♀.

Apis lobata, Smith, Cat. Hym. Ins. B. M. ii. 416, 10 ♂.

Pundaloya (*Green coll.*).

Genus TRIGONA, Jurine.

336. *TRIGONA IRIDIPENNIS*, Smith.

Trigona iridipennis, Smith, Cat. Hym. Ins. B. M. ii. 413, 42 ♀; Walk. Tenn. Nat. Hist. Ceylon, ch. xii. 454; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25.

337. *TRIGONA PRÆTERITA*, Walker.

Trigona præterita, Walk. Ann. & Mag. Nat. Hist. ser. 3, v. (1860), 305; Motsch. Bull. Soc. Imp. d. Nat. Mosc. 1863, 25.

Family CHRYSIDIDÆ, Leach.

Genus STILBUM, Spinola.

338. *STILBUM CYANURUM* (Forster).

Chrysis cyanura, Forst. Nov. Spec. Ins. 89 (1771).

Chrysis nobilis, Fuesl. Mag. d. Ent. i. 222.

Stilbum splendidum, Blanch. (*neo* Fabr.) Hist. Nat. iii. 297, 2, t. iii. f. 3; Brullé, Hym. iv. 15, 1; Smith, Trans. Ent. Soc. 1874, 469 ♀ ♂.

Chrysis splendida, Fabr. Syst. Ent. 357, 1 (1775); Spec. Ins. 1, 454; Mant. Ins. i. 282, 1; Ent. Syst. ii. 238, 1; Syst. Piez. 170, 1.

Chrysis spinolæ, Montr. Ann. Soc. Linn. Lyon, 1864, 249.

Stilbum calens, Ab. Ann. Soc. Linn. Lyon, 1879, 40.

Stilbum cyanurum, Mocs. Mon. Chrysid. (1889), 190, 202 (var. *splendidum*, p. 193).

Pundaloya (*Green coll.*).

Genus CHRYSIS, Linnæus.

339. *CHRYSIS FUSCIPENNIS*, Brullé.

Chrysis fuscipennis, Brullé, Hym. iv. 38, 24 ♀; Mocs. Mon. Chrysid. 370 ♀ ♂.