

LIST

OF THE

SPECIMENS

OF

[20 Sept. 1851]

BRITISH ANIMALS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART VI.—HYMENOPTERA ACULEATA.

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1851.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the species of Aculeate Hymenopterous Insects that have been recorded as found in Great Britain, indicating at the same time their localities, and the species that are contained in the Collection; the latter are indicated by the letters B. M. annexed.

This Catalogue of Hymenopterous Insects has been prepared and the new species described by MR. FREDERICK SMITH, so well known for his attention to this order of Insects.

JOHN EDWARD GRAY.

British Museum,
Sept. 10th, 1851.

CATALOGUE
OF
BRITISH HYMENOPTERA.

Order HYMENOPTERA, *Linn.*

Division 2. ACULEATA, *Latr.*

Tribe 1. HETEROGYNA, *Latr.*

Family 1. FORMICIDÆ, *Leach.*

1. FORMICA.

Formica, pt., *Linn. Faun. Suec.* 426, 1761.

Lasius, pt., *Fab. Syst. Piez.* 415, 1804.

1. FORMICA RUFA. The Wood Ant.

B. M.

Formica rufa, *Linn. Faun. Suec.* 1721. *Scop. Ins. Carn.* 836. *De Geer, Ins.* 2, 1053, i. t. 41, f. 1, 2. *Fab. Syst. Ent.* 391, 4. *Schrank, Ins. Aust.* 834. *Fourc. Ent. Paris*, ii. 452, 4. *Rossi, Faun. Etrus.* ii. 113, 936. *Christ.* 510, t. 60, f. 7, 8. *Don. Brit. Ins.* 14, 76, t. 496. *Lat. Fourm.* 143, t. 5, f. 28. *Jurine, Hym.* 272. *St. Farg. Hist. Nat. Ins.* i. 201, 3. *Curtis, Brit. Ent.* 16, t. 752 *Zett. Ins. Lapp.* 448, 3.

Formica dorsata, *Panz. Faun. Germ.* 54, 1. ♀.

Formica Herculeana, *Sam. Comp.* 69, t. 8, f. 10.

Formica maxima, Ray, *Hist. Ins.*
 The Hill-Ant, *Gould's Ants*, ii. 1.
 La Fourmi brune, à corcelet fauve, *Geoff. Ins.* ii. 428, 4.
Hub. Fourm. 320.
 HAB.—Britain.

2. FORMICA SANGUINEA. The Warrior Ant. B. M.

Formica sanguinea, *Latr. Hist. Nat. Fourm.* 150, t. 5, f. 29. *Jurine, Hym.* 272. *Huber, Fourm.* 326, t. 2, f. 5, 6, 7. *St. Farg. Hist. Nat. Ins.* i. 203, 4.
Formica cephalotes Europea, *Christ. Hym.* 511, t. 60, f. 9.
 HAB.—Hants, Shirley, Surrey, in Banks.

3. FORMICA CUNICULARIA. The Mining Ant. B. M.

Formica cunicularia, *Latr. Hist. Nat. Fourm.* 151. *St. Farg. Hist. Nat. Ins.* i. 203, 5.
Formica obsoleta, *Latr. Essai*, 38.
Formica pratensis, *Oliv. Enc. Méth.*, vi. 504.
Formica media, Ray, *Hist. Ins.* 69.
Huber, 324, 2, f. 11, 12, 13.
 HAB.—Highgate, Banks, &c.

4. FORMICA BRUNNEA. The Brown Ant. B. M.

Formica brunnea, *Latr. Hist. Nat. Fourm.* 168, t. 6, f. 35, A.
Formica pallida, *Latr. Essai*, 41.
Formica brunnea, *Jurine*, 273.
 HAB.—Hampstead, Banks, &c.

5. FORMICA NIGRA. The Garden Ant. B. M.

Formica nigra, *Linna. Faun. Suec.* 1723. *Scop. Ent. Carn.* 834.
De Geer, Ins. ii. 1085, 4, t. 42, f. 16. *Schrank, Ins. Aust.* 832.
Rossi, Faun. Etrus. ii. 113, 937. *Fab. Ent. Syst.* ii. 352, 10.
Latr. Hist. Nat. Fourm. 156. *St. Farg. Hist. Nat. Ins.* i. 206, 7.
Lasius niger, *Fab. Syst. Piez.* 415, 1.
Formica minor, Ray, *Hist. Ins.* 69.

Swamm. Bibl. Nat. t. 16, f. 1—11.

The small black Ant, *Gould, Eng. Ants*, ii. 5.

La Fourmi toute noire, *Geoff. Ins. Par.* ii. 429, 6.

HAB.—Britain, Banks.

6. FORMICA FUSCA. The Ash-coloured Ant.

B. M.

Formica fusca, *Linn. Faun. Suec.* 1722. *De Geer, Ins.* ii. 1082, 3, t. 42, f. 12, 15. *Schrank, Ins. Aust.* 413, 833. *Oliv. Enc. Méth.* vi. 433. *Fab. Ent. Syst.* ii. 352, 11. *Latr. Hist. Nat. Fourm.* 159, t. 6, f. 32. *Jurine, Hym.* 272. *St. Farg. Hist. Nat. Ins.* 205, 6. *Zett. Ins. Lapp.* 448, 4.

Formica libera, *Scop. Ent. Carn.* 313, 835.

Formica nigra, *Christ.* 510, t. 60, f. 6. ♂

La Fourmi toute brune, *Geoff. Ins. Par.* ii. 428, 5.

Huber, Fourm. 322, t. 2, f. 8, 9, 10.

HAB.—Britain, Banks.

7. FORMICA FULIGINOSA. The Jet Ant.

B. M.

Formica fuliginosa, *Latr. Hist. Nat. Fourm.* 140, t. 5, f. 27, a. b. *St. Farg. Hist. Nat. Ins.* i. 200, 2.

Formica media, *Ray, Hist. Ins.* 69?

The Jet Ant, *Gould, Eng. Ants*, 3.

HAB.—Britain, Trunks of trees, &c.

8. FORMICA FLAVA. The Turf Ant.

B. M.

Formica flava, *De Geer, Ins.* ii. 1089, 5, t. 42, f. 24. *Fab. Ent. Syst.* ii. 357, 34. *Latr. Hist. Nat. Fourm.* 166, t. 6, f. 36, a. *Oliv. Enc. Méth.* vi. 496. *St. Farg. Hist. Nat. Ins.* i. 208, 9.

Formica minor rubescens, *Ray, Ins.* 69.

The common Yellow Ant, *Gould, Eng. Ants*, 3.

Huber, Fourm. 52.

HAB.—Britain, Meadows and banks.

Fam. 2. MYRMICIDÆ, *Smith.*

1. MYRMICA.

Formica, pt., *Linn. Syst. Nat.* i. 962, 1766.

Myrmica, *Latr. Gen. Crust. Ins.* iv. 131.

Manica, *Jurine, Hym.* 276, 1807.

1. MYRMICA RUBRA. The Red Ant. B. M.

Formica rubra, *Linn. Syst. Nat.* 963, 7. *De Geer, Ins.* ii. 1093, 6, t. 43, f. 1. *Schrank, Ins. Aust.* 415, 837. *Oliv. Enc. Méth.* vi. 493. *Fabr. Ent. Syst.* 353, 14. *Don.* 14, 87, t. 503. *Latr. Hist. Nat. Fourm.* 246, t. 10, f. 62.

Myrmica rubra, *Latr. Gen. Crust. Ins.* 131. *St. Farg. Hist. Nat. Ins.* i. 181, 2, t. 2, f. 3, ♂.

Formica minima rubra, *Ray, Ins.* 69.

The Red Ant, *Gould, Eng. Ants*, ii. 3.

Manica rubra, *Jurine*, 279.

Huber, Fourm. 59.

HAB.—Britain, Meadows, Banks, &c.

2. MYRMICA CÆSPITUM. B. M.

Formica cæspitum, *Linn. Faun. Suec.* 427, 1726. *Scop. Ins. Carn.* 837. *De Geer, Ins.* ii. 1105, 7, t. 43, f. 15, 16. *Schrank, Ins. Aust.* 836. *Oliv. Enc. Méth.* vi. 496. *Rossi, Faun. Etrus.* ii. 113, 938. *Christ. Hym.* 503, t. 58, f. 1, 2, 3. *Fab. Ent. Syst.* ii. 358, 35. *Latr. Fourm.* 251, t. 10, f. 63.

HAB.—Hants, Borders of woods, &c.

3. MYRMICA TUBERUM. B. M.

Formica tuberum, *Fab. Syst. Ent.* 393, 15. *Ent. Syst.* 358, 36. *Oliv. Enc. Méth.* vi. 497. *Latr. Hist. Fourm.* 74.

Myrmica tuberum, *St. Farg. Hist. Nat. Ins.* i. 183, 3. *Zett. Ins. Lapp.* 452, 4.

Formica tuberosa, *Latr. Hist. Nat. Fourm.* 259.

HAB.—Shirley Common, Surrey, &c.

4. MYRMICA ACERVORUM.

B. M.

Formica acervorum, *Fab. Ent. Syst.* ii. 358, 38.Myrmica acervorum, *Zett. Ins. Lapp.* 451, 3.

HAB.—Hants, under bark.

5. MYRMICA GRAMINICOLA.

Formica graminicola, *Latr. Fourm.* 255.

HAB.—Weybridge, Surrey, under stones.

6. MYRMICA UNIFASCIATA.

B. M.

Formica unifasciata, *Latr. Hist. Nat. Fourm.* 257.

HAB.—Coombe Wood Surrey, in moss.

7. MYRMICA DOMESTICA. The House Ant.

B. M.

Myrmica domestica, *Shuck. Ann. Mag. Nat. Hist.* 626, 1838.*Bostock, Trans. Ent. Soc.* ii. 65.

HAB.—Houses, London, Brighton, &c.

2. MYRMECINA.

Myrmecina, *Curt. Brit. Ent.* vi. t. 266, 1830. *Westw. Int. Class.**Ins. Synop.* 83, 1840.

1. MYRMECINA LATREILLII.

Myrmecina Latreillii, *Curt. Brit. Ent.* vi. 265.

HAB.—Isle of Wight, Hants, and Colney Hatch Middlesex.

3. STENAMMA.

Stenammas, *Westw. Int. Class. Ins. Synop.* 83, 1840.

1. STENAMMA WESTWOODII.

B. M.

Stenammas Westwoodii, *Steph. Syst. Cat.* 366, 48, 38. *Westw. Int.**Class. Ins.* ii. 226, t. 86, f. 11.

HAB.—Britain

Fam. 3. PONERIDÆ, *Smith.*

1. PONERA.

Formica, pt., *Fab. Syst. Piez.* 395, 1804.
Ponera, *Latr. Gen. Crust. Ins.* 127, 1806.

1. PONERA CONTRACTA.

B. M.

Formica contracta, *Latr. Hist. Nat. Fourm.* 195, t. 7, f. 40. *Fabr. Syst. Piez.* 410, 58.

Ponera contracta, *Latr. Gen. Crust. Ins.* 128. *St. Farg. Hist. Nat. Ins.* i. 195, 8. *Steph. Ill. Brit. Ent. Mand. Supp.* 15, t. 42, f. 2.

HAB.—Britain.

Fam. 4. MUTILLIDÆ, *Leach.*

1. MUTILLA.

Mutilla, *Linn. Syst. Nat.* 966, 1766.

1. MUTILLA EUROPÆA.

B. M.

Mutilla Europæa, *Linn. Faun. Suec.* 1727, ♀. *Sulz. Gesch. Ins.* t. 27, f. 23, ♂, 24, ♀. *Schrank, Ins. Aust.* 415, 839, ♀. *Oliv. Enc. Méth.* viii. 57, 15. *Rossi, Faun. Etrus.* ii. 114, 939. *Christ. Hym.* 147, t. 11, f. 1, ♂, 2, ♀. *Don. Brit. Ins.* vi. 77, t. 212. *Fab. Ent. Syst.* ii. 368, 9. *Latr. Hist. Nat.* 13, 263. *Coqueb. Illust.* t. 16, f. a, ♀, b, ♂. *Panz. Faun. Germ.* 76, 20, ♂. *Shuck. Foss. Hym.* 29, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 597, 3. *Nyland, Act. Soc. Sc. Fenn.* i. 8, 1.

Apicis Europa, *Harr. Expos.* 166, 18, t. 50, f. 18.

Apicis Simile, *Harr. Expos.* 166, 19, t. 50, f. 19, ♀.

HAB.—Sandy districts (Nests of Bombi).

2. MUTILLA CALVA.

B. M.

Mutilla calva, *Villers, Entom.* iii. 343, 9, t. 8, f. 34, ♀. *Fab. Syst. Piez.* 438, 46, ♀. *Lat. Act. Soc. Hist. Nat.* x. 8, ♀. *Oliv. Enc. Méth.* viii. 64, 56, ♀. *Coqueb. Illustr.* 68, t. 16, f. 10, ♀. *Shuck. Foss. Hym.* 30, 2, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 607, 19. *Nyland, Act. Soc. Sc. Fenn.* 11, 3.

Mutilla nigrita, *Panz.* 80, 22, ♂. *Oliv. Enc. Méth.* viii. 65, 59, ♂.

HAB.—Shooter's Hill?

3. MUTILLA EPHIPIUM.

B. M.

Mutilla ephippium, *Fab. Ent. Syst.* ii. 370, 18, ♂. *Oliv. Enc. Méth.* viii. 63, 45. *Rossi, Faun. Etrus. Mant* i. t. 2, f. n. ♀. *Curtis, Brit. Ent.* ii. t. 77, ♂, ♀. *Shuck. Foss. Hym.* 31, 3. *St. Farg. Hist. Nat. Ins.* iii. 608, 22. *Nyland, Act. Soc. Sc. Fenn.* 13, 4.

Mutilla rufipes, *Fab. Ent. Syst.* ii. 372, 26, ♂. *Oliv. Enc. Méth.* viii. 66, 68. *Latr. Hist. Nat.* xiii. 264. *Coqueb. Illust.* t. 16, f. 9.

Mutilla sellata, *Panz. Faun. Germ.* 46, 19. ♀.

HAB.—Sandy districts, Surrey, Hants, Isle of Wight, Sea-shore.

7. MYRMOSA.

Mutilla, pt., *Fab. Ent. Syst.* ii. 366, 1793.

Myrmosa, *Lat. Hist. Nat.* 13, 1805.

1. MYRMOSA MELANOCEPHALA.

B. M.

Mutilla melanocephala, *Fab. Ent. Syst.* ii. 372, 27, ♀. *Oliv. Enc. Méth.* viii. 65, 45. *Coqueb. Illust.* i. t. 6, f. 11.

Myrmosa melanocephala, *Latr. Hist. Nat.* xiii. 266. *Lat. Gen. Crust. Ins.* t. 13, f. 6, ♀. *Shuck. Foss. Hym.* 33, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 589, 1. *Dahlb. Clav. Hym.* t. f. 30, 31. *Guér. Icon. Rég. An.* t. 69, f. 6, ♀. *Nyland, Act. Soc. Sc. Fenn.* 16, 2, ♂, ♀.

Myrmosa atra, *Panz.* 85, 14, ♂. *St. Farg. Hist. Nat. Ins.* iii. 591, 4, ♂.

Myrmosa nigra, *Latr. Gen. Crust. Ins.* i. t. 13, f. 6, ♀.

HAB.—West of England.

8. METHOCA.

Methoca, *Latr. Hist. Nat.* xiii. 268, 1805.

Mutilla, *Jurine, Hym.* 266, 1807.

Gonatophus, *Nees ab Esenbeck, Hym. Ichneu. Affin.* ii. 384, 1834.

Tengyra, *Latr. Gen. Crust. Ins.* iv. 116, ♂, 1809.

APPENDIX.

FORMICA RUFÆ.

- Formica rufa*, Linn. *Faun. Suec.* 1721. *Syst. Nat.* i. 963, 4. *Nyland, Adno. Mon. Form. Boreal*, 902, 5. *Foerster, Hym. Stud. Form.* 13, 3.
- Formica polycтена*, *Foerster, Hym. Stud. Form.* 15, 4, Var.?
- Formica congerens*, *Foerster, Hym. Stud. Form.* 17, 5, ♂, ♀.

FORMICA SANGUINEA.

- Formica sanguinea*. *Latr. Hist. Nat. Fourm.* 150. *Foerster, Hym. Stud. Form.* 20, 6.
- Formica dominula*, *Nyland. Adno. Mon. Form. Boreal. Europ.* 905, 6.

Female (length $4\frac{1}{2}$ — $4\frac{1}{2}$ lines). Head, thorax, legs and scale of the abdomen bright fulvous red; the head above the antennæ, of a reddish brown; the wings smoky at their base, extending to the stigma: abdomen ashy-black; superior margin of the scale entire.

Worker (length 3—4 lines). Bright ferruginous, the head has the vertex, but rarely, slightly stained of a darker colour: abdomen of an ashy-black, tinged with ferruginous at the base; the scale slightly notched above.

Male (length $3\frac{3}{4}$ —4 lines). Black; the legs, tip of the abdomen, mouth (not the mandibles) and antennæ, pale red; the latter darkest towards their base; head and thorax of about equal width; abdomen one-third wider than the thorax; the scale not notched above; the wings smoky as in the female. (All the sexes from the same nest).

FORMICA CUNICULARIA.

Formica cunicularia, Latr. *Fourm.* 151. *Nyland. Adno. Mon. Form. Boreal.* 913, 11. *Foerster, Hym. Stud. Form.* 25, 9.

Female (length 4 lines). Antennæ, face below them, the mandibles, thorax, legs and scale of the abdomen bright ferruginous; the disk of the thorax of a dark red-brown, or with three or four spots of that colour; the antennæ are darker towards their apex: the scale is very slightly notched; abdomen of an ashy black; at the base and beneath having a ferruginous tinge: the wings are hyaline, but slightly smoky towards their base; the nervures are testaceous, the stigma brown.

Worker (length 2— $2\frac{3}{4}$ lines). This sex is similarly coloured to the female, but altogether duller; and the thorax is more elongate and narrowed towards the metathorax; the abdominal scale is not notched, and the legs more elongate than in the female.

Male (length 4 lines). Black; the legs and tip of the abdomen of a pale reddish yellow; the scale is quadrate and deeply notched above; the wings hyaline, but smoky towards their base, the nervures testaceous, the stigma brown: abdomen elongate, about the same width as the thorax, and having a bright silky gloss. (All the sexes taken from the same nest.)

NOTE.—The male closely resembles that of *Formica fusca*, but distinguished by having the externo-medial nervure continued to the base of the wing; in *fusca* it becomes obsolete.

FORMICA UMBRATA.

B. M.

Formica umbrata, *Nyland. Addit. Adno. Mon. Form. Boreal. Europ.* 1048, ♂, ♀, ♂.

HAB.—Hampstead.

Female (length 3 lines) of a brown testaceous red; the legs and antennæ are pale testaceous, as are also the mandibles and apex of the metathorax; the scale is small, and not notched; the head and disk of the thorax very smooth and shining; the wings ample, and deeply smoky towards their base; the nervures and stigma are pale testaceous; the head is of the same width as the thorax, the eyes pubescent.

This species closely resembles *F. flava*, but the thorax is more elongate and narrower, the legs are stouter, and the eyes are pubescent; the female only has hitherto been captured in England.

FORMICA NIGRA.

Formica nigra, Linn. *Faun. Suec.* 1723. Nyland. *Adno. Mon. Form. Boreal.* 920, 16.

Formica fusca, Foerster, *Hym. Stud. Form.* 33, 14.

FORMICA FULIGINOSA.

Formica fuliginosa, Latr. *Fourm.* 140, t. 5, f. 27, ♂, ♀, ♂. Nyland. *Adno. Mon. Form. Boreal.* 915, 12. Foerster, *Hym. Stud. Form.* 28, 11.

FORMICA FLAVA.

Formica flava, Fab. *Ent. Syst.* ii. 357, 34. Nyland. *Adno. Mon. Form. Boreal.* 922, 17. Foerster, *Hym. Stud. Form.* 38, 17.

FORMICA FUSCA.

Formica fusca, Linn. *Faun. Suec.* 1722. Nyland. *Adno. Mon. Form. Boreal.* 919, 15.

MYRMICA RUBRA.

B. M.

Formica rubra, Linn. *Faun. Suec.* 1725.

Myrmica cœspitum, Zett. *Ins. Lapp.* 450, 1, ♂.

Myrmica ruginodis, Nyland. *Adno. Mon. Form. Boreal.* 930, 3. Foerster, *Hym. Stud. Form.* 66, 36.

The majority of specimens examined of this species possessing the Linnean characteristic "punctum nigrum sub abdomine," the Linnean name has been retained for it.

MYRMICA LÆVINODIS.

B. M.

Myrmica lævinodis, Nyland. *Adno. Mon. Form. Boreal. Europ.* 927, 1. Foerster, *Hym. Stud. Form.* 64, 35.

HAB.—Britain:

This species is not rare, and has been hitherto regarded as a form of *M. rubra*.

MYRMICA RUGINODIS.

B. M.

Formica vagans, Fab. *Ent. Syst.* ii. 358, 37. Piez. 407, 48?
Myrmica ruginodis, Nyland. *Adno. Mon. Form. Boreal. Europ.* 929, 2. Foerster, *Hym. Stud. Form.* 66, 36.

HAB.—Britain.

This species is equally abundant with *M. rubra*, and has been hitherto regarded as a form of that species.

MYRMICA FUSCULA.

B. M.

Formica cæspitum, Linn. *Faun. Suec.* 1726? Latr. *Fourm.* 251.
Myrmica fuscula, Nyland. *Adno. Mon. Form. Boreal. Europ.* 935, 6. Foerster, *Hym. Stud. Form.* 56, 29.

HAB.—Sandown Bay, Isle of Wight; London district; and Folkstone.

MYRMICA SIMILLIMA.

Myrmica simillima, Nyland. *MSS.*

Worker (length $\frac{3}{4}$ —1 line). Head and thorax pale ferruginous, the legs and antennæ more pallid, the coxæ a little coloured, the eyes black; the abdomen is rufo-fuscous, pale towards the apex; the head is evenly longitudinally striate; the thorax above is without the usual transverse suture, but is a little compressed at the sides about the middle, and gradually slightly narrowed from the prothorax towards the nodes of the peduncle; the metathorax is

truncate at the apex, and the spines are short, broad, and acute; the abdomen is furnished with a few scattered erect hairs.

This species is very much like *M. tuberosum*, being of the same size, and resembling some specimens closely in its colour; the sculpture is however different.

HAB.—Dorset.

MYRMICA DOMESTICA.

Female (length $1\frac{3}{4}$ line). Pale fulvous, eyes and ocelli black; a short elongate line on the prothorax, a similar one on each side; the scutellum, a stain on the pectus, and sides of the breast brown; a transverse dark brown fascia on the basal segment of the abdomen not quite reaching the apical margin, the remaining segments dark brown, their margins piceous.

Male (length 1 line). Head black, thorax and abdomen nigropiceous, the legs and antennæ pale testaceous, the femora tinged with brown; the wings hyaline, the nervures and stigma very pale testaceous; the abdomen is heart-shaped, rather palest at the base: the metathorax and peduncle of the abdomen beneath without spines in both sexes.

POMPILUS ACUMINATUS.

Male (length 4 lines). Black; head very delicately punctured, with a few larger scattered punctures; the face below the antennæ covered with a thin silvery pile, the labrum concealed, the antennæ about the length of the thorax, robust and of uniform thickness, except the apical joint which is acuminate: thorax, very delicately punctured, the metathorax much more strongly so, and having, particularly at the sides, a silvery pubescence; the sides of the thorax, and all the coxæ are covered with a changeable silvery pile; the wings are slightly clouded at their margins; the second submarginal cell is large and oblong, the third becomes gradually about one-third narrower towards the marginal; the legs nigropiceous, the anterior pair simple, the intermediate and posterior pairs slightly ciliated: abdomen narrower than the thorax, smooth and shining, and thinly covered with a silvery pile, the extreme apex piceous.

HAB.—Kirkpatrick Juxta, Moffat, Scotland.

Wesmaeli, <i>Crossocerus</i> , 30	X.	Xanthura, <i>Melitta</i> , 73
Westwoodii, <i>Stenammas</i> , 5	xanthomelana, <i>Apis</i> ; 80	Xylæcus, 33
Wilkella, <i>Andrena</i> , 71	—————, <i>Osmia</i> , 80	xylurgus, <i>Crabro</i> , 27
” <i>Melitta</i> , 71	xanthopus, <i>Halictus</i> , 60	
Willughbiella, <i>Apis</i> , 78	” <i>Melitta</i> , 60	Z.
78 ” <i>Megachile</i> ,	xanthosticta, <i>Apis</i> , 86	zonulus, <i>Halictus</i> , 59
	” <i>Nomada</i> , 86	zonalis, <i>Melitta</i> , 62
	xanthura, <i>Andrena</i> , 73	

ERRATA.

Page 128—*flavoguttata*, *Apis*, add 86.

” ” *Nomada*, add 86.