

Key to female Nomadas

1. Abdomen has no red markings, only black and yellow. **2**
- Abdomen has red markings. **4**

2. Yellow band on tergite 2 is complete (Fig. 1). – *Nomada goodeniana*
- Yellow band on tergite 2 is incomplete. **3**

3. Yellow on sides of thorax (Fig. 2). – *Nomada rufipes*
- No yellow on sides of thorax. – *Nomada marhsamella*

4. On tergite 2, a pair of large yellow dots are present that together take-up at least 50% of the width of the tergite (Fig. 3). **11**
- Yellow dots, if present, are very small, taking up much less than 50% of width of tergite 2 (Fig. 4). **5**

5. Tergites 4 and 5 extensively red (Fig. 6). **6**
- Tergites 4 and 5 without red (Fig. 5). – *Nomada roberjeotiana*

6. Antenna black with middle segments red. – *Nomada fabriciana*
- Antenna not like this. **7**

7. Red on thorax. **8**
- No red on thorax – *Nomada obtusifrons*

8. Extensive red on head and red lines on thorax (Fig. 7). **9**
- Very little if any red on head; no red lines on thorax – *Nomada ferruginata*

9. Two pairs of very prominent red lines on thorax; yellow dots on abdomen prominent. **10**
- One pairs of red lines on thorax (Fig. 7); yellow dots on abdomen very small (Fig. 8). – *Nomada flavoguttata*

10. Scape with black; yellow dots on tergite 4 nearly touching and so forming a complete band (Fig. 4). – *Nomada hirtipes* [very rare]
- Scape without black, completely red; yellow dots on tergite 4 smaller, not nearly forming a complete band. – *Nomada striata*

11. Mandibles bidentate (Fig. 11). – *Nomada ruficornis*
- Mandibles unidentate. **12**

12. Red lines on thorax. **13**
- No red lines on thorax. **14**

13. Some black hairs on clypeus. (Fig. 9) – *Nomada panzeri*
- Only pale hairs on clypeus (Fig. 10). – *Nomada flava*

14. Yellow on scutellum. – *Nomada rufipes*
- No yellow on scutellum. – *Nomada leucopthalma*

Fig.1 *L.leucopus*



Fig. 2 *N. rufipes*



Fig. 3



Fig. 4 *N. hirtipes*



Fig. 5 *N. roberjeotiana*



Fig. 6 *N. obtusifrons*



Fig. 7 *N. flavoguttata*



Fig. 8 *N. flavoguttata*



Fig. 9 *N. panzeri*



Fig 10 *N. flava*



Fig. 11 *N. ruficornis*



Key to male *Nomadas*

1. Body only black and yellow, without any red markings. **2**
 - Some red markings on body. **4**

2. Hair fringe on underside of hind femur is long at the base, but much shorter towards the tip (Fig. 1). – *Nomada goodeniana*
 - Hair fringe on underside of femur not like this. **3**

3 Scutellum largely yellow. – *Nomada rufipes*
 - Scutellum mainly (or completely) black. – *Nomada marshamella*

4. Bee as in pic, with red scutellum, white not yellow markings. (Fig. 2) – *Nomada roberjeotiana* [very rare]
 - Bee not like this. **5**

5. Large yellow spots/bands on tergite 2 almost form a complete band (Fig. 3). **6**
 - Tergite 2 with only small yellow spots, widely separated, not almost forming a complete band (Fig. 4). **10**

6. Red on scutellum. – *Nomada panzeri/flava* [very difficult to reliably separate males]
 - No red on scutellum. **7**

7. No trace of yellow on tergite 1; black on every antennal segment. **8**
 - Some yellow on tergite 1; not every antennal segment has black. **9**

8 Yellow on scutellum. – *Nomada rufipes*
 - No yellow on scutellum. – *Nomada leucophthalma*

9. Tergite 3's yellow band not nearly complete – separated by about a third of the width of the tergite. – *Nomada hirtipes* [very rare]
 - Tergite 3's band is nearly complete (or complete). **10**

10. Tibia red, without black. – *Nomada ruficornis*
 - Tibia with lots of black. – *Nomada ferruginata*

11. Red on scutellum. – *Nomada striata*
 - No red on scutellum. **11**

12. Abdomen largely black, with very little red (Fig. 5). – *Nomada obtusifrons*
 - Abdomen mainly red (Fig. 6). **12**

13. Black banding on abdomen (Fig. 6). – *Nomada flavoguttata*
 - No obvious black banding on abdomen. – *Nomada ruficornis*

Fig.1 *N. Goodeniana*



Fig. 2 *N. roberjeotiana*



Fig. 3



Fig. 4



Fig. 5 *N. obtusifrons*



Fig. 6 *N. flavoguttata*

