

## Key to genera of Nearctic Acaenitinae (Hymenoptera: Ichneumonidae)

by David B. Wahl  
[adapted from Townes (1960)]

1. Fore and middle tarsal claws simple (Fig. 1). Supra-antennal area without strong median longitudinal carina (Fig. 2). Areolet of fore wing present except in *Coleocentrus flavipes* (Fig. 3). Apex of ovipositor with prominent teeth on ventral valves (Fig. 4). Hind tarsus of females with tarsomere 5 0.5-1.1x as long as tarsomere 2 (usually 0.5-0.7x as long) (Fig. 5).  
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- 1'. Fore and middle tarsal claws with acute accessory tooth near apex (Fig. 6). Supra-antennal area with strong medial longitudinal carina (Fig. 7). Areolet of fore wing absent (Fig. 8). Apex of ovipositor without teeth on ventral valves, or with teeth weak (Fig. 9). Hind tarsus of females with tarsomere 5 1.3-1.9x as long as tarsomere 2 (Fig. 10).  
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2. Clypeus with median subapical tooth (Fig. 11). T8-9 of female elongate (Fig. 12). Epicnemial carina weak or absent (Fig. 13).  
..... ***Coleocentrus*** Gravenhorst
- 2'. Clypeus without median subapical tooth (Fig. 14). T8-9 of female not produced (Fig. 15). Epicnemial carina present and strong (Fig. 16).  
..... ***Mesoclistus*** Förster
3. Ventral swelling of S1 without setae (Fig. 17). Fore wing with vein 2/Rs basad vein 2m-cu; apex clear (Fig. 18). Exposed part of labrum about 0.3x as long as wide (Fig. 19).  
..... ***Yezoceryx*** Uchida
- 3'. Ventral swelling of S1 with numerous long setae (Figs. 20-21). Fore wing with vein 2/Rs opposite or distad vein 2m-cu; apex with dark spot (Fig. 22). Exposed part of labrum 0.5-0.6x as long as wide (Fig. 23).  
..... 4
4. Hind tarsal claws with small accessory tooth near midlength (Fig. 24). Vein 2/Rs of fore wing beyond vein 2m-cu by 0.4-0.6x its length (Fig. 25).  
..... ***Arotes*** Gravenhorst
- 4'. Hind tarsal claws without accessory tooth (Fig. 26). Vein 2/Rs of fore wing opposite vein 2m-cu, or beyond it by as much as 0.2x its length (Fig. 27-28).  
..... ***Spilopteron*** Townes

## Figures

The American Entomological Institute photograph voucher code for an individual specimen follows the species name. For example, '#0137-03' is the third photograph taken of voucher specimen 137. All specimens are in the American Entomological Institute collection unless otherwise noted.

- Fig. 01 - *Coleocentrus pettiti* 0135-01
- Fig. 02 - *Coleocentrus pettiti* 0136-01
- Fig. 03 - *Coleocentrus occidentalis* 0137-03
- Fig. 04 - *Coleocentrus occidentalis* 0137-01
- Fig. 05 - *Coleocentrus pettiti* 0135-02
- Fig. 06 - *Arotes decorus* 0138-01
- Fig. 07 - *Spilopteron occiputale* 0140-01
- Fig. 08 - *Yezoceryx rupinsulensis* 0144-04
- Fig. 09 - *Spilopteron franclemonti* 0141-01
- Fig. 10 - *Arotes decorus* 0139-01
- Fig. 11 - *Coleocentrus pettiti* 0135-040
- Fig. 12 - *Coleocentrus occidentalis* 0137-02
- Fig. 13 - *Coleocentrus pettiti* 0135-03
- Fig. 14 - *Mesoclistus cushmani* 0143-01
- Fig. 15 - *Mesoclistus cushmani* 0143-02
- Fig. 16 - *Mesoclistus cushmani* 0143-04
- Fig. 17 - *Yezoceryx rupinsulensis* 0144-01
- Fig. 18 - *Yezoceryx rupinsulensis* 0144-04
- Fig. 19 - *Yezoceryx rupinsulensis* 0144-03
- Fig. 20 - *Arotes melleus* 0145-01
- Fig. 21 - *Spilopteron franclemonti* 0141-02
- Fig. 22 - *Arotes melleus* 0145-02
- Fig. 23 - *Spilopteron vicinum* 0142-02
- Fig. 24 - *Arotes decorus* 0139-03
- Fig. 25 - *Arotes decorus* 0139-02
- Fig. 26 - *Spilopteron vicinum* 0142-01
- Fig. 27 - *Spilopteron franclemonti* 0141-03
- Fig. 28 - *Spilopteron vicinum* 0142-02

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