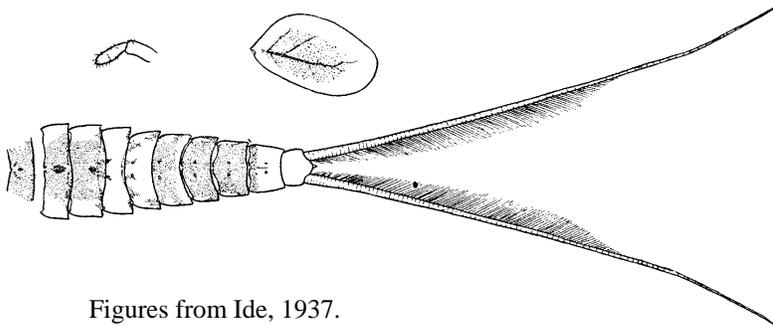


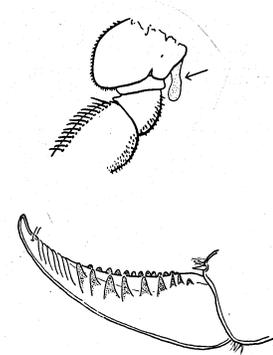
Larval Key for the “two-tailed” Baetidae of Ohio

For additional keys and descriptions see: Ide (1937), Provonsha and McCafferty (1982), McCafferty and Waltz (1990), Lugo-Ortiz and McCafferty (1998), McCafferty and Waltz (1998), Wiersema (2000), McCafferty et al. (2005) and McCafferty et al. (2009).

1. Forecoxae with filamentous gill (may be very small), gills usually with dark clouding, cerci without dark band near middle, claws with a smaller second row of teeth. ***Heterocloeon (H.) sp.***
 (Two species, *H. curiosum* (McDunnough) and *H. frivolum* (McDunnough), are reported from Ohio, however, the larger hind wing pads used by Morihara and McCafferty (1979) to distinguish *H. frivolum* have not been verified by OEPA.)



Figures from Ide, 1937.



Figures from Müller-Liebenau, 1974.

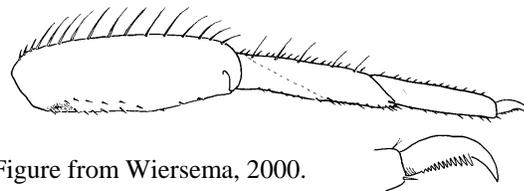
- 1'. Forecoxae without filamentous gill, other characters variable. **2**
2. Cerci with alternating pale and dark bands down its entire length, body dorsoventrally flattened, gills with a dark clouded area, hind wing pads greatly reduced. ***Acentrella parvula* (McDunnough)**



Figure from Ide, 1937.



Figure from Wiersema, 2000.



- 2'. Cerci without alternating pale and dark bands, other characters variable. **3**
3. Femora, tibiae, and tarsi with fringe of long setae, body dorsoventrally flattened, hind wing pads greatly reduced, cerci without any dark banding. **4**
- 3'. Tibiae and tarsi without fringe of long setae, not dorsoventrally flattened (except for maybe *Plauditus cestus*), hind wing pads either distinct or absent, other characters variable. **5**

4. Length of foretibia and tarsus combined longer than forefemur, gills without dark clouding.
 *Acentrella turbida* (McDunnough)

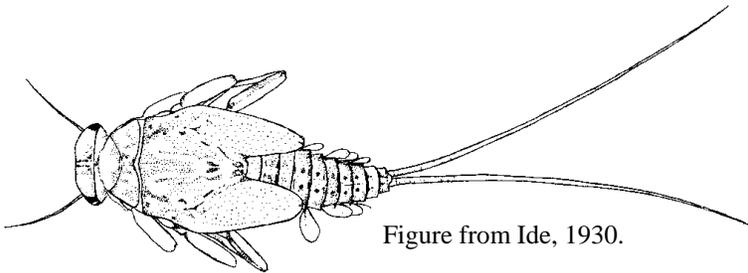


Figure from Ide, 1930.

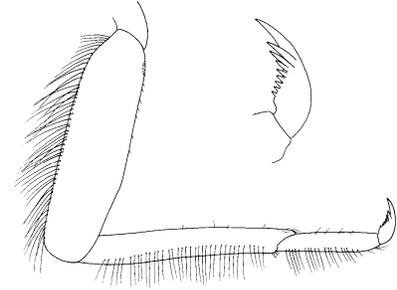
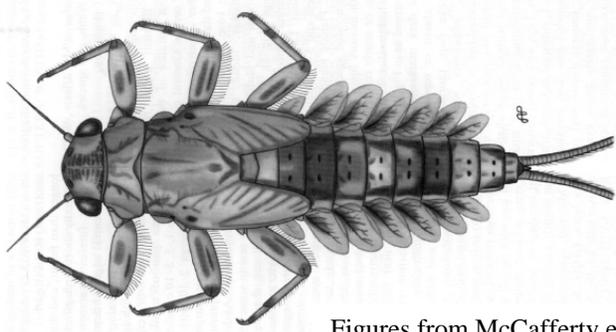
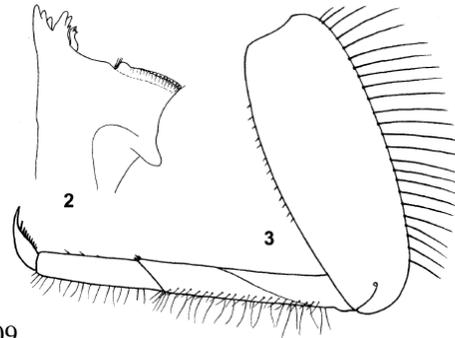


Figure from McCafferty et al., 1994.

- 4'. Length of foretibia and tarsus combined about the same length as the forefemur, gills usually with dark clouding. *Acentrella nadineae* McCafferty, Waltz & Webb



Figures from McCafferty et al., 2009.



5. Hind wing pads small, cerci without a central dark band, body length 7-9 mm.
 *Heterocloeon (Jubilatum) amplum* (Traver)
 (*H. amplum* is reported in our area but has not yet been identified in OEPA collections.)

- 5'. Hind wing pads absent, cerci with a central dark band or three lighter narrower bands, body length shorter. **6**

6. Abdominal segment 5 completely encircled with redbrown pigment.....
 *Plauditus cestus* (Provonsha & McCafferty)

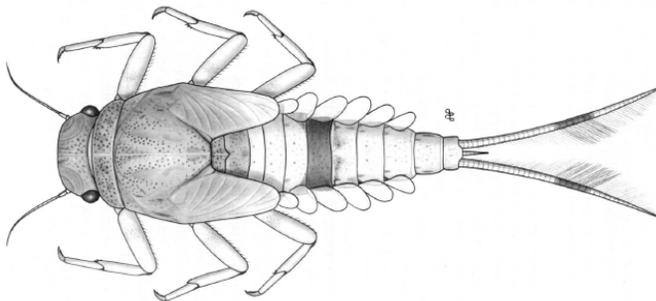


Figure from Provonsha and McCafferty, 1982.

6'. Abdominal segment 5 without dark pigment encircling the segment.7

7. Pale stripe running longitudinally in center of abdominal tergites (males only?), claws with an extremely reduced second row of teeth (need magnification of 400X).

..... *Iswaeon anoka* (Daggy)

[This species was until recently referred to as *Plauditus punctiventris* (McDunnough) based on the description in Ide (1937). If the species *P. punctiventris* resembles *I. anoka* it will not have the second row of claw teeth.]

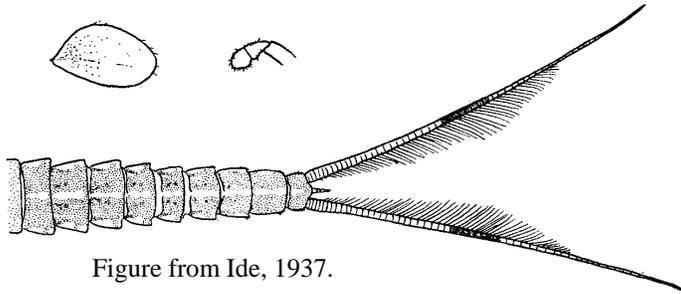


Figure from Ide, 1937.

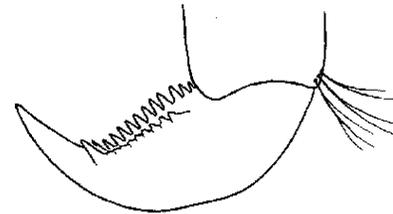
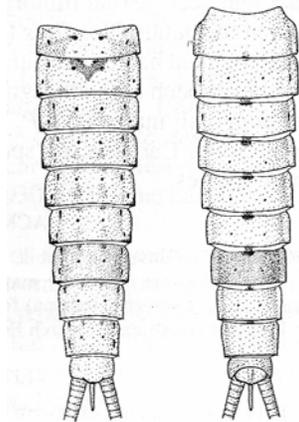


Figure of *I. davidi* claw from McCafferty et al., 2005 as an example.

7' Abdominal tergites without a pale central stripe, claws without an extremely reduced second row of teeth. 8

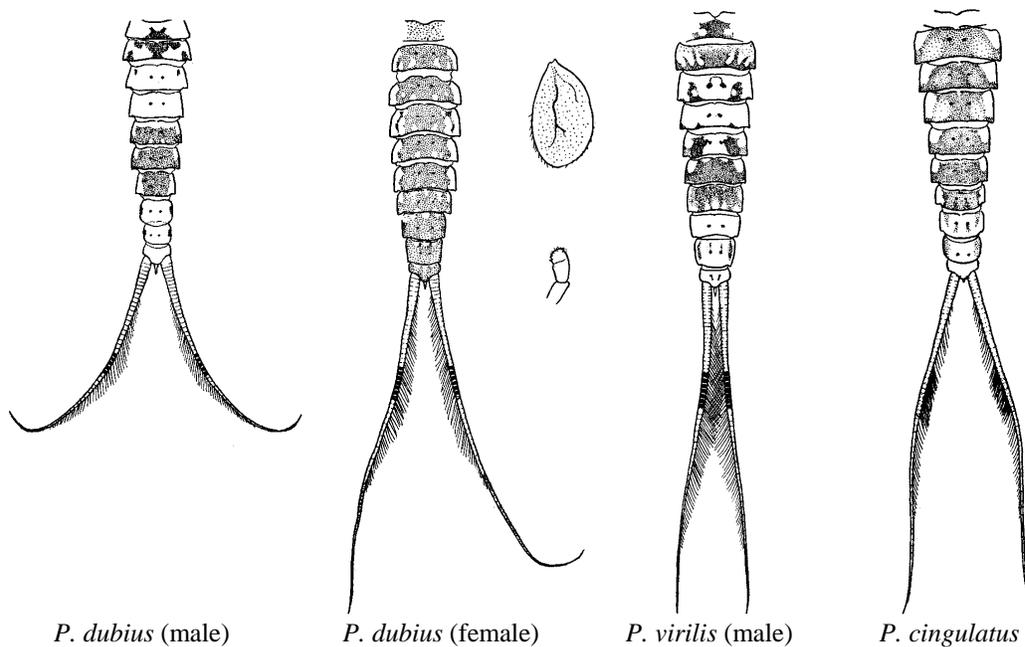
8. Abdominal segment 7 completely encircled with light brown pigment, abdominal sternites 2-8 with a central intersegmental dark spot, cerci with three light brown narrower bands.

..... *Plauditus gloveri* McCafferty & Waltz



Figures from McCafferty and Waltz, 1998.

- 8'. Abdominal segment 7 not completely encircled with light brown pigment, cerci with a central dark band, all figures from Ide (1937). *Plauditus dubius/virilis/cingulatus*



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