Stylurus to Species

Including S. laurae

Stylurus spiniceps

- Longest, thinnest
- Segment 9 long and hour glass shaped
- Large to medium rivers
- Perhaps most common in proper habitat

Close up of S. spiniceps segment 9

- Segment 9 very long and thin, Somewhat hourglass shaped

Other species with less elongate S9

- Left have a remnant dorsal hook on the rear margin of S9
- Right have no such hook and the rear margins are straight

First grouping: no remnant dorsal hook

- No remnant dorsal hook
- Rear margin of segment 9 straight
- Size difference but, can be deceiving
- S. scudderi (L) larger and more robust found in small permanent streams to medium rivers
- S. amnicola (R)
- Smaller and thinner
- Found in large rivers
- Less common

S. amnicola (L); S. scudderi (R)
Straight rear margins on segment 9

Stylurus scudderi median lobe of labium only slight curve

Stylurus amnicola median lobe of labium strongly curved

Second Group: Remnant Dorsal Hook Present
S. notatus (L); S. laurae (Mid); S. plagiatus (R)

Dorsal hook, large and easily seen (L) S. plagiatus
or small and difficult (R) S. notatus (and S. laurae not shown)

Stylurus plagiatus side view. Note dorsal hook easily seen and large lateral spines extending well beyond rear margin of S10

Next 2 species have small difficult to see dorsal hooks

S. notatus (L)
S. laurae (R)

Note elongated S9 on notatus.
Longer compared to width

S9 less long compared to width
in S. laurae making it look more
"square"

Note eyes more "bean shaped"
In S. notatus (would that hold
In other specimens?)

S. laurae eyes more round
Also larger lateral spines
plainly visible.

S. notatus (L); S. laurae (R)

note laurae has larger lateral spines extending to or beyond S10 while the dorsal hook is even smaller than notatus

also elongated appearance of S9 in notatus is easily seen lateral spines only to midpoint of S10

Side view of S. laurae showing small dorsal hook and large ventral spine
dark accents added to spine and margin of S10 for contrast

Side view of S. notatus showing small dorsal hook and lateral spine