

Current Status of the Aedini Subgenus *Protoculex* in the Continental US - Brian Byrd

- A. Subgenus in the genus *Ochlerotatus*
 - 1. *Oc atlanticus*
 - 2. *Oc dupreei*
 - 3. *Oc tormentor*
- B. Hard to split out *Oc atlanticus* and *Oc tormentor*
 - 1. Easy to ID in larval stage
 - 2. Harrison et al (in prep)
 - a) Separate the females
 - b) Look at amount of white scales on occiput
 - (1) *Atlanticus* - white does not touch compound eye
 - (2) *Tormentor* - white touches compound eye
 - c) Character is backed up by genetic ID
 - d) Need a good scope
 - 3. Indian River County, FL work (Shroyer)
 - a) We're collecting mosquitoes that they thought were *tormentor* based on the head scale characteristic
 - b) Sent to Bruce who thought that the mosquito did not look like *tormentor*
 - (1) Stripe down back wasn't right
 - (2) Head characteristic wasn't exactly right
 - (3) Turns out it was *Oc pertinax*
- C. Current *Protoculex* status
 - 1. 4 members of this subgenus found in the US
 - 2. *Oc pertinax*
 - a) Distribution of this species is unknown
 - b) Larvae are identical to *Oc tormentor*
 - c) Adults are very similar to *Oc tormentor*
 - 3. Fixed one problem but created another