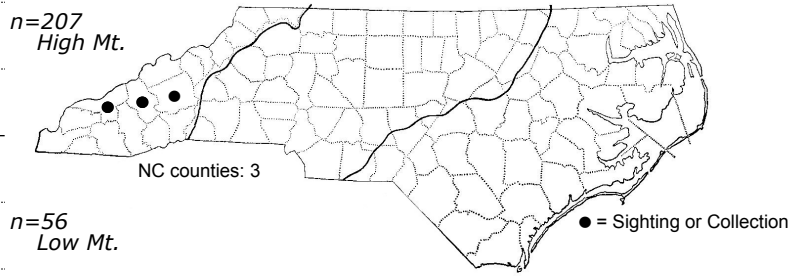
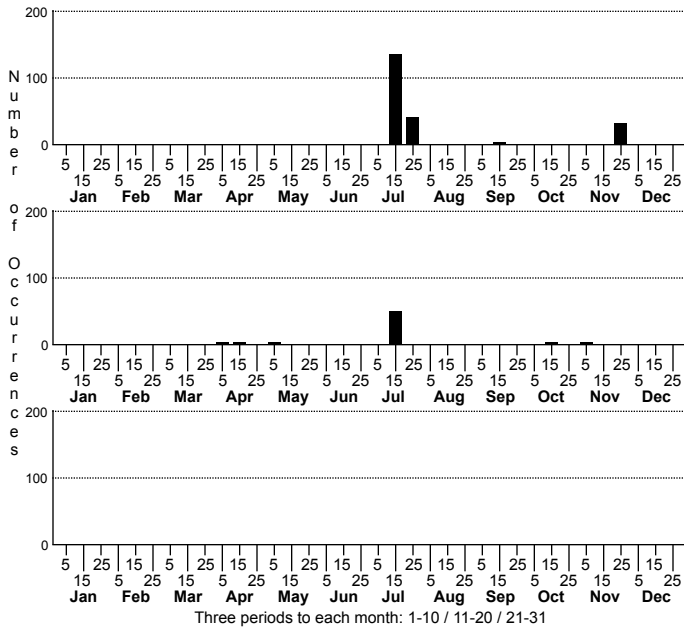


*Mesobiotus n. species*



FAMILY: Macrobiotidae

TAXONOMIC COMMENTS: This is a probable new species discovered in the GSMNP. Needs fresh material for complete description.

SPECIES COMMENTS: Terrestrial. Possible S. App. endemic. Some old records of *Mesobiotus harmsworthi* could be this species.

ID COMMENTS: The genus *Mesobiotus* is characterized by three roundish macropylacoids in a curved line with a micropylacoid very near the end of the 2nd macropylacoid. The species we find in the Smokies and surrounds has a smooth dorsal cuticle, smooth claw lunules, and no visible leg granulations. The eggs lack areolation and have a crown of dots around processes, similar to *Mesobiotus coronatus*.

DISTRIBUTION: Please refer to the dot map.

HABITAT: Predominantly soil/leaf litter. Also found less commonly in all other habitat types.

OBSERVATION METHODS: DIC and PC.