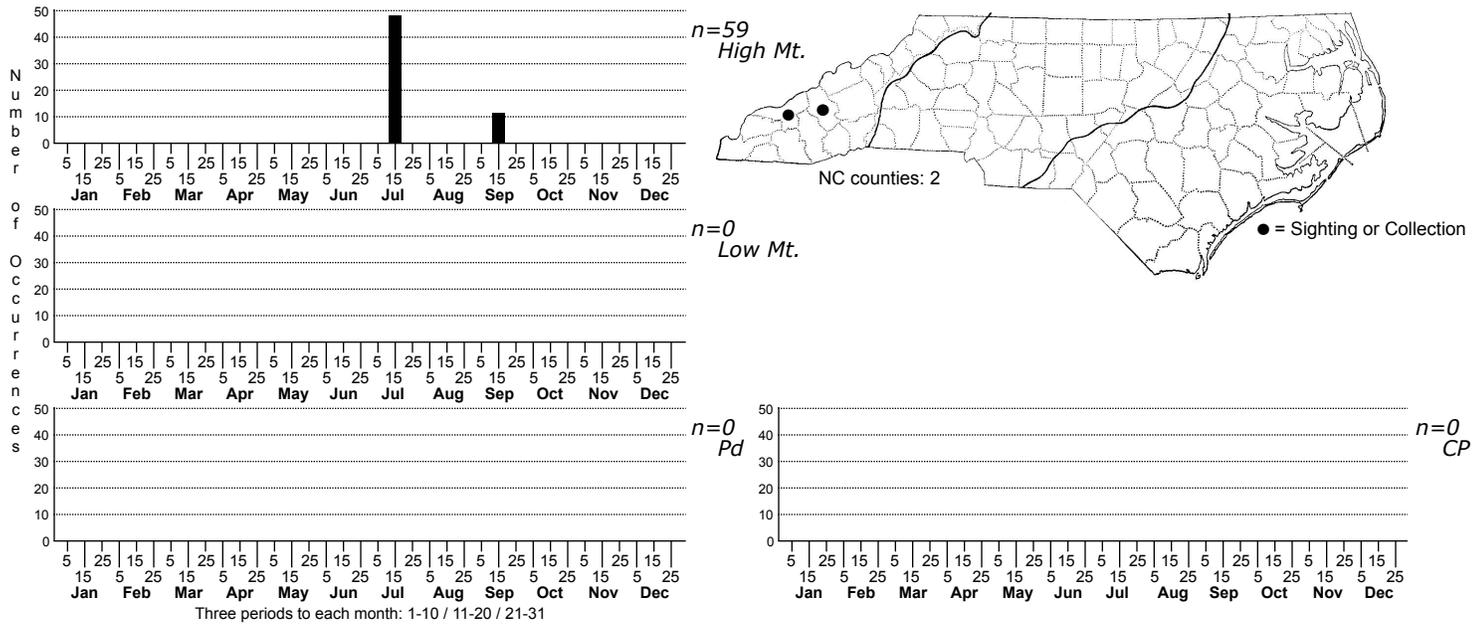


Milnesium bohleberi



FAMILY: Milnesiidae

TAXONOMIC COMMENTS: New species discovered in GSMNP. Named in honor of Steve Bohleber, long time friend of the Smokies. DNA data is available for specimens from Gregory's Cave, GSMNP, USA. (Morek et al. 2021).

SPECIES COMMENTS: Terrestrial. So far only reported from GSMNP.

ID COMMENTS: Body white before fixation and transparent afterwards, eyes present. Cuticle smooth, without granulation, pseudopores, pores, reticulations, or gibbositities. Six peribuccal papillae (ventral papilla smallest) and six peribuccal lamellae (of equal size) around the mouth opening, present. Two cephalic papillae positioned laterally (Fig. 2). Buccal apparatus of the Milnesium type (Figs 3–4). Buccal tube wide and short (standard width on average 59% of the length), and funnel-shaped, wider anteriorly (posterior diameter on average 84% of the anterior diameter). Pharyngeal bulb elongated, pear-shaped and without placoids or septulum. Claws of the Milnesium type, slender (Fig. 5). Primary branches on all legs with small, but distinct accessory points detaching from the branch at its greatest curvature. Secondary branches with rounded basal thickenings. All secondary branches on all legs with three points (claw configuration: [3-3]-[3-3]). Single, long transverse, cuticular bars under claws I–III present (Fig. 5).

-Bartels et al. 2014

DISTRIBUTION: Please refer to the dot map.

HABITAT: Tree moss and lichen.

OBSERVATION METHODS: DIC and PC.