

To help enlarge our knowledge of mayfly species in the southeastern United States, investigations of their ecology have been initiated at Florida A & M University. This study, which is a part of the main research project at Florida A & M University, investigates ecology, life history, seasonal distribution, and habitat of *Baetisca rogersi* Berner, and lays a foundation for continued work.

*B. rogersi* is common in northern Florida, southern Alabama, Georgia, and South Carolina. Nymphs live in shallow rocky or sandy streams with a moderately slow to fast current. Berner (1950) summarized his observations on ecology, seasonal distribution, habits, and life history of the species. He briefly described the general habitat and discussed the species' distribution.

The objectives of this study were to determine: (1) stages in the life history, (2) ecology of the life stages, (3) habits of both nymphs and imagos under field and laboratory conditions, and (4) seasonal distribution of *B. rogersi*.

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#### METHODS

We used many methods to collect and rear specimens, but give only successful methods here as an aid to future studies. All eggs used in this study came directly from female subimagos and imagos. Female