

# A LIST OF THE STONEFLIES, PLECOPTERA, KNOWN TO OCCUR IN SOUTHEASTERN OHIO<sup>1</sup>

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During 1939-1941 collections of stoneflies were made from most of the larger streams and many of the smaller ones in non-glaciated Southeastern Ohio. Athens County was covered very thoroughly and as many trips as possible were made into neighboring counties. The main stream of the Hocking River and some of its smaller branches, Federal Creek, Queer Creek and Salt Creek yielded considerable numbers of specimens. Sunday Creek, Monday Creek and Raccoon Creek were relatively without stonefly populations.

Many specimens in the Ohio University Collection were made available to the author by Dr. Wm. C. Stehr, who also gave many suggestions in the conduct of the survey and generously helped with the problem of transportation. The late Dr. T. H. Frison of the Illinois Natural History Survey kindly checked all determinations. To both of these men the author expresses his appreciation.

Altogether twenty-four species of stoneflies were collected during the survey. A few additional records of the same species and five species not taken during the study were found reported for Ohio in published works on the stoneflies of North America. These have been added to our list and acknowledgment is there made of the source of the data. A few of these are from the glaciated section of Ohio and it is likely that a survey of that portion of the state will yield some additional species for Ohio.

Distribution is given by counties. The names of collectors follow the county records. Since the most of the records are from collections by Wm. C. Stehr and John D. Walker, their records are designated by the letters *S* and *W* respectively. Most of the specimens on which these records are based are either in the collection of Ohio University or the Illinois Natural History Survey. Some of those recorded by Frison and those recorded by Claassen are probably in other collections.

## LIST OF PLECOPTERA KNOWN FROM SOUTHEASTERN OHIO

1. *Taeniopteryx fasciata* (Burm.)  
Athens: S
2. *T. maura* (Pictet)  
Athens: S, W, Harold W. Smith
3. *Nemoura divergens* Clsn.  
Athens: S, W
4. *N. venosa* Banks  
Athens: S, W; Tuscarawas: W; Hocking: W; Vinton: W; Washington: S
5. *Leuctra claasseni* Frison  
Athens: S, W; Hocking: W
6. *L. decepta* Clsn.  
Hocking: W
7. *Capnia opis* Newman  
Franklin: L. S. Roach; Hocking: J. N. Knull. These records are given by Frison.

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8. *Allocaënia forbesi* (Frison)  
Athens: S, W
9. *A. pygmaea* (Burm.)  
Athens: S, W, Frison; Hocking: Frison
10. *A. vivipara* (Clns.)  
Athens: S, W
11. *A. rickeri* Frison  
Athens: Frison; Muskingum: Ross. These are recorded by Frison.
12. *A. near granulata* (Clns.)  
Athens: S
13. *Acroneuria abnormis* (Newman)  
Athens: S, W; Washington: L. P. Reynolds
14. *A. xanthenes* (Newman)  
Athens: S, W
15. *A. perplexa* (Frison)  
Athens: S, W, W. P. Porter
16. *A. arida* (Hagen)  
Athens: S; Holmes: R. P. Thomas; Ottawa: P. S. Shurrager
17. *A. filicis* Frison  
Athens: S. This is a paratype series.
18. *A. evoluta* Klap.  
Athens: John C. Herron; Ottawa: Clark; Preble: T. Snyder
19. *A. mela* Frison  
Athens: John C. Herron; Adams: J. S. Hine. The latter is recorded by Frison.
20. *A. lycorias* (Newman)  
Recorded from Ohio specimens in the Illinois Natural History Survey Collection by Frison. The species was taken by Stehr in Carter County, Ky., and so is likely to occur in Southeastern Ohio.
21. *Perlesta placida* (Hagen)  
Athens: S; Holmes: R. P. Thomas; Lucas: S
22. *Hastoperla brevis* (Banks)  
Athens: W; Hocking: J. N. Knull. The latter is recorded by Frison.
23. *Isoperla bilineata* (Say)  
Athens: S; Hocking: W; Tuscarawas: W
24. *I. confusa* Frison  
Athens: S, W; Tuscarawas: W
25. *I. duplicata* (Banks)  
Athens: S, W; Vinton: W; Hocking: W; Tuscarawas: W  
This is by far the commonest species of stonefly in Southeastern Ohio. Nearly as many specimens of it were taken as of all others combined.
26. *I. minuta* (Banks)  
Franklin: Recorded from Columbus by Claassen.
27. *Alloperla mediana* Banks  
Athens: W
28. *A. imbecilla* (Say)  
Hamilton: Recorded from Cincinnati by Claassen.
29. *Neoperla clymene* (Newman)  
Athens: S; Ottawa: P. S. Shurrager

## SUPPLEMENTARY RECORDS

Mr. Lee Stewart Roach of the Ohio Division of Conservation has kindly furnished the following stonefly records from Black Lick, Franklin County, Ohio. These specimens were also determined to species by the late Dr. T. H. Frison.

This list adds two species to our state records, namely *Capnia vernalis* (Newport) and *Neophasganophora capitata* (Pictet). Of the latter Walker had taken three naiads in Athens County that were questionably so determined by Frison and hence were not included in the foregoing section of this paper.

RECORDS FROM BLACK LICK, FRANKLIN COUNTY, OHIO: L. S. ROACH

*Taeniopteryx maura* (Pictet) (*nivalis* Fitch)

*Capnia vernalis* (Newport)

*Allocapnia vivipara* (Claassen)

*Acroneuria arida* (Hagen)

*evoluta* Klap.

*Neophasganophora capitata* (Pictet)

*Perlesta placida* (Hagen)

*Isoperla confusa* Frison

*Neoperla clymene* (Newman)

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