

Journal of the Arkansas Academy of Science

Volume 53

Article 30

1999

First Report of Lamptera appendix (DeKay) from the Black River Drainage of Arkansas

Daniel D. Ward
Arkansas State University

Denver Dunn
Arkansas State University

Hilary J. Worley
Arkansas State University

Martin Ruane
Arkansas State University

Vernon E. Hoffman
Arkansas State University

See next page for additional authors

Follow this and additional works at: <http://scholarworks.uark.edu/jaas>

 Part of the [Terrestrial and Aquatic Ecology Commons](#)

Recommended Citation

Ward, Daniel D.; Dunn, Denver; Worley, Hilary J.; Ruane, Martin; Hoffman, Vernon E.; Troutman, Grace; and Trauth, E. (1999) "First Report of Lamptera appendix (DeKay) from the Black River Drainage of Arkansas," *Journal of the Arkansas Academy of Science*: Vol. 53, Article 30.

Available at: <http://scholarworks.uark.edu/jaas/vol53/iss1/30>

This article is available for use under the Creative Commons license: Attribution-NoDerivatives 4.0 International (CC BY-ND 4.0). Users are able to read, download, copy, print, distribute, search, link to the full texts of these articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author.

This General Note is brought to you for free and open access by ScholarWorks@UARK. It has been accepted for inclusion in Journal of the Arkansas Academy of Science by an authorized editor of ScholarWorks@UARK. For more information, please contact scholar@uark.edu.

First Report of *Lamptera appendix* (DeKay) from the Black River Drainage of Arkansas

Authors

Daniel D. Ward, Denver Dunn, Hilary J. Worley, Martin Ruane, Vernon E. Hoffman, Grace Troutman, and E. Trauth

The First Report of *Lampetra appendix* (DeKay) from the Black River Drainage of Arkansas

Daniel D. Ward, Denver Dunn, Hilary Worley, Martin Ruane, Vernon Hoffman,
Grace Troutman and Stanley E. Trauth

Department of Biological Sciences
Arkansas State University
State University, AR 72467

The American Brook lamprey, *Lampetra appendix* (DeKay), is a non-parasitic agnathan that occurs throughout the eastern United States and Canada from the Mississippi River drainage to the Great Lakes and in several Atlantic slope drainages (Seagle and Nagel, 1982). Arkansas specimens have only been found in the White and Ouachita River drainages (Harp and Matthews, 1975; Robison and Buchanan, 1992; Tumilson and Tumilson, 1999). On 13 February 1999, one adult specimen of *L. appendix* (total length 156 mm) was collected by seine from Jane's Creek, 6 km N Ravenden Springs (Sec 19, T20N, R2W), Randolph County, Arkansas, a tributary of the Black River drainage system. Fowler and Harp (1974) described Jane's Creek as a clear, spring-fed Ozark stream with high alkalinity and dissolved oxygen, low carbon dioxide, and a constant pH of 7.8-8.2. Pflieger (1975) reported one locality of *L. appendix* in the Black River system in Missouri. Our identification was confirmed by George L. Harp, Arkansas State University, and Henry W. Robison (pers. comm.), Southern Arkansas University, verified this find as a new record for the Black River drainage in Arkansas. The specimen was deposited in the Arkansas State University Museum of Zoology (ASUMZ 12919). The authors thank Dr. G.L. Harp, who confirmed the specimen; Dr. H. W. Robison provided distribution records, and Daniel Dye aided in collection.

Tumilson, R., and C. Tumilson. 1999. An extralimital population of *Lampetra appendix* (Petromyzontidae) in southwestern Arkansas. *Southwest. Nat.* (in press).

Literature Cited

- Fowler, C. L., and G. L. Harp.** 1974. Ichthyofaunal diversification and distribution in Jane's Creek watershed, Randolph County, Arkansas. *Proc. Arkansas Acad. Sci.* 28:13-18.
- Harp, G. L. and W. J. Matthews.** 1975. First Arkansas records of *Lampetra* spp. (Petromyzontidae). *Southwest. Nat.* 20:414-416.
- Pflieger, W. L.** 1975. The fishes of Missouri. Missouri Dept. of Conservation, Jefferson City. 343 pp.
- Robison, H. W., and T. M. Buchanan.** 1988. Fishes of Arkansas. The University of Arkansas Press, Fayetteville. 536 pp.
- Seagle, H. H., and J. W. Nagel.** 1982. Life cycle and fecundity of the American brook lamprey, *Lampetra appendix*, in Tennessee. *Copeia* 1982:362-366.