

## LIST OF FISHES COLLECTED IN HARVEY AND COWLEY COUNTIES, KANSAS.

BY BARTON W. EVERMANN AND MORTON W. FORDICE.

About the last of May, 1884, Mr. Evermann made a small collection of fishes at Newton and Winfield, Kansas. The specimens from Newton are from a small stream called Sand Creek, which flows into the Little Arkansas, a tributary of the Arkansas. Those from Winfield were obtained from Timber Creek, a tributary of Walnut River, which flows into the Arkansas.

Sand Creek was seined just below a small dam near the town of Newton, where the water is clear and the bottom sandy. Farther down the creek was made up of numerous pools of various sizes, and with bottoms and shores more or less muddy.

Timber Creek is a sluggish stream, with usually muddy bottom and water not clear.

We here give a list of the species represented in the collection as identified by us. All are now in the museum of the Indiana University :—

1. *Amiurus melas* (Raf.). Found to be very abundant in Timber Creek, but no specimens were obtained at Newton.
2. *Moxostoma macrolepidotum* (Le S.). Sand Creek. Only one specimen.
3. *Campostoma anomalum* (Raf.). Common in both streams examined.
4. *Pimephales promelas* (Raf.). Eight very fine specimens (all males) were gotten from a small stream which flows into Timber Creek near Winfield.
5. *Pimephales notatus* (Raf.). A few specimens were obtained at Newton.
6. *Notropis lutrensis* (Baird and Girard). Very abundant in both streams.
7. *Notropis topeka* Gilbert. Sand Creek. Only two specimens were obtained.
8. *Notemigonus chrysoleucus* (Mitchill). Found only in Sand Creek. One specimen.
9. *Fundulus zebrinus* Jordan and Gilbert. This species was found to be common both at Newton and Winfield.
10. *Zygonectes notatus* (Raf.). A few specimens only were received—all from Timber Creek.
11. *Labidesthes sicculus* Cope. From Timber Creek only. Not common.
12. *Lepomis cyanellus* Raf.. Abundant in Timber Creek.
13. *Lepomis megalotis* (Raf.). But two specimens were obtained—one from Newton, the other from Winfield.
14. *Lepomis humilis* (Girard). Abundant in both streams.
15. *Etheostoma caeruleum* Storer. Very abundant in Timber Creek. None were obtained at Newton.



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