

ADDITIONS TO THE KNOWN FISH FAUNA IN THE VICINITY OF CEDAR KEY, FLORIDA

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Recent studies by Kilby (1950) and Reid (1954) have presented an essentially complete picture of the ichthyofauna of Cedar Key, Levy County, Florida. However, with the increasing interest in the biology of this Gulf coastal area brought about by the establishment of the University of Florida's Seahorse Key Marine Laboratory, the list of the known fishes of the area should be kept as complete as possible, even though the species included herein are possibly only occasional visitors to Cedar Key.

For some 18 months prior to the writing of this paper, I was engaged in a detailed study of the Pinfish, *Lagodon rhomboides*, in the Cedar Key area. The regular pursuance of this study resulted in the collection and observation of many fishes other than this species. Seven of these incidental species are apparently new to the known fish fauna of the area, an eighth is confirmed, and a ninth previously unreported for some 70 years.

I wish to thank Mr. Ormond Folks, of the R. B. Davis fish house at Cedar Key, for saving the specimens referred to as having been obtained from the commercial fishery.

Unless otherwise indicated, all of the specimens included below are deposited in the University of Florida fish collection. Measurements are expressed as standard length.

ANNOTATED LIST

Carcharinus acronotus (Poey). Black-nosed Shark. A 335 mm. male was collected at Cedar Key by Dr. L. R. C. Agnew of the University of Florida Cancer Research Laboratory on June 1, 1953.

Brevoortia gunteri Hildebrand. Menhaden. An 89 mm. specimen, here tentatively identified as *B. gunteri*, was seined on June 21, 1953, in an enclosed salt marsh pond (fed by high tides) on Way Key.

Anchoa hepsetus hepsetus (Linnaeus). Anchovy. A 105 mm. specimen was taken in a small otter trawl on the edge of the main ship channel near Seahorse Key on April 25, 1953. (Private collection of Dr. E. Lowe Pierce, University of Florida.)

Polynemus octonemus Girard. Eight-fingered Threadfin. A 183 mm. specimen was collected from the commercial fishery on August 10, 1953. This individual had been taken in a gill net from a shallow grassy flat near one of the islands of the area.

Promicrops itaiara (Lichtenstein). Spotted Jewfish. Reid (1954: 74) stated that this species is to be expected at Cedar Key, but that no definite records were available. On June 28, 1953, I identified a 367 pound specimen, approximately 4½ feet in length, taken on hook and line by a sport fisherman from the main pier at Cedar Key.

Xyrichthys psittacus (Linnaeus). Pearly Razorfish. A 132 mm. specimen was obtained on September 1, 1953, from the commercial fishery. The specimen had been taken 15 miles west of the town in about 7 fathoms on a rocky bottom.

Paraclinus fasciatus (Steindachner). Blenny. Two examples, 41 mm. and 37 mm., were trawled on the edge of the main ship channel between Seahorse and Grassy Keys. These were taken on January 24, 1954, and February 7, 1954, respectively. This is probably the "*Paraclinus* sp." noted by Reid (1954: 60), a suggestion already made by him in that paper for his specimens. I wish to thank Mr. Victor Springer of the University of Texas for his positive identification of my specimens.

Porichthys porosissimus (Cuvier & Valenciennes). Midshipman. A 79 mm. example was trawled at night in the main ship channel just off Seahorse Key on November 13, 1953.

Ancylopsetta quadrocellata Gill. Ocellated Fluke. Although this species was recorded by Jordan and Swain (1884: 234), as *Paralichthys ommatus* Jordan & Gilbert, it seems desirable to include it here since it has not been recorded from Cedar Key since that time. These authors note it as "rather common". However, I collected only two specimens, and it was not reported at all by Reid (1954) or Kilby (1950). My specimens were trawled from a deep grassy flat on the west side of North Key on February 7, 1954, and from the main ship channel just outside of Seahorse Key on April 10, 1954. These measured 39 mm. and 91 mm. respectively.

LITERATURE CITED

JORDAN, DAVID S., and JOSEPH SWAIN

1884. Notes on fishes collected by David S. Jordan at Cedar Keys, Florida. Proc. U. S. Nat. Mus., 7: 230-234.

KILBY, JOHN D.

1950. The fishes of two Gulf coastal marsh areas of Florida. Mss. (unpub.). Dissertation presented to the Graduate Council, Univ. of Fla., February, 1950, vii + 179 pp.

REID, GEORGE K., JR.

1954. An ecological study of the Gulf of Mexico fishes, in the vicinity of Cedar Key, Florida. Bull. Mar. Sci. of the Gulf and Carib., 4(1): 1-94.

Quart. Jour. Fla. Acad. Sci., 17(3), 1954.

NOTICE OF ANNUAL MEETING

The 19th meeting of the Florida Academy of Sciences will be held at Florida State University, Tallahassee, December 9, 10, 11. The meeting will begin with a Symposium Thursday night on "Science and Aims of Education". Members are urged to submit papers in the other sessions on the problems of teaching scientists. The deadline for papers is October 22nd, when all papers are due in the hands of the appropriate Chairman.

Word has been received that Dr. H. Horton Sheldon, past President of the Academy, formerly of New York and more recently Dean of the Division of Research and Industry of the University of Miami, has been appointed consultant to the Organization for European Economic Cooperation. His headquarters for the next year will be Paris, France, from which point he will visit a number of European countries.



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. 1954. "Additions to the known fish fauna in the vicinity of Cedar Key, Florida." *Quarterly journal of the Florida Academy of Sciences* 17, 182–184.

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