

NOTES ON A COLLECTION OF FISHES FROM SAINT JOHN'S RIVER,
FLORIDA, OBTAINED BY MR. A. H. CURTISS.

By DAVID S. JORDAN.

A small collection of fishes from Saint John's River was sent to Prof. H. E. Copeland and myself some years ago by Mr. A. H. Curtiss. As this collection contains some specimens of interest, a list is here given:

1. *Siphonostoma* sp. (*Syngnathus* Auct.).

Two specimens of a variety or species of this genus, apparently undescribed, are in this collection. I have specimens of three types, subspecies, or species of *Siphonostoma* from our Atlantic coast, which may be thus compared:

	<i>a. fuscum</i> Storer. (Wood's Hole, Mass.)	<i>b. louisianæ</i> Gthr.? Beaufort, N. C.	<i>c. ———</i> . Saint John's River, Fla.
Dorsal rays	35; 38; 40.....	33; 37.....	30; 31.
Rings	18 + 37.....	18 + 33 (♂); 20 + 38 (♀).	15 + 33.
Dorsal fin	Longer than head.....	Shorter than head.....	Shorter than head.
Dorsal fin	Dark-spotted at base ...	Dusky at base or plain..	Very high in females; black, with paler spots.
Base of dorsal fin.....	On 4 + 5 rings.....	On 3 + 5 rings.....	On 3 + 5 rings.
Muzzle.....	Shorter than rest of head.	Much longer than rest of head; longest in females.	Shorter than rest of head.
Distance from snout to front of dorsal.....	3 times in total length ..	2½ in length.....	2½ in length.
Head contained	9 times in length.....	7 times in length.....	7 times in length.
Tail.....	½ longer than rest of body	½ longer than rest of body.	½ longer than rest.
Belly in females.....	Scarcely carinate	Scarcely carinate	With a sharp black ca- rina. Color darker and body stouter than in the others.

These characters are all evidently subject to much variation. If these are true species, they differ from each other little more than the two sexes of the same form differ.

It seems to me that the specific names *fuscus*, *fasciatus*, *viridescens*, and *peckianus* are all based on individuals like those above noted from Wood's Hole.

2. *Aphoristia plagiusa* (L.) Jor. & Gill.
3. *Chloroscombrus chrysurus* (L.) Gill.
4. *Archosargus probatocephalus* (Walb.) Gill.
5. *Lagodon rhomboides* (L.) Holbr.
6. *Micropterus pallidus* (Raf.) Gill & Jor.
7. *Epinephelus* sp. ? (One very young specimen.)
8. *Orthopristis fulvomaculatum* (Mitch.) Gill.
9. *Gobiosoma alepidotum* (Lac.) Grd.
10. *Chirostoma* sp.
11. *Hemirhamphus unifasciatus* Ranz.
12. *Fundulus* sp.
13. *Mollieniesia latipinna* Le Sueur.
14. *Brevoortia tyrannus* (Latrobe) Goode.
15. *Megalops thrissoides* (Bloch) Günther (Scales).
16. *Lepidosteus osseus* (L.) Ag. (Scales).