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:

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<tbody>
<tr>
<td>Dorsal rays</td>
<td>35; 38; 49</td>
<td>33; 37</td>
<td>30; 31</td>
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<tr>
<td>Rings</td>
<td>18 + 37</td>
<td>18 + 33 (?); 20 + 38 (?)</td>
<td>15 + 32</td>
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<tr>
<td>Dorsal fin</td>
<td>Longer than head</td>
<td>Shorter than head</td>
<td>Shorter than head</td>
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<tr>
<td>Dorsal fin, dark-spotted</td>
<td>at base</td>
<td>Dusky at base or plain</td>
<td>Very high in females; black, with paler spots.</td>
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<tr>
<td>Base of dorsal fin</td>
<td>On 4 + 5 rings</td>
<td>On 3 + 5 rings</td>
<td>On 3 + 5 rings</td>
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<tr>
<td>Muzzle</td>
<td>Shorter than rest of head</td>
<td>Much longer than rest of head; longest in females.</td>
<td>Shorter than rest of head.</td>
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<tr>
<td>Distance from snout to front of dorsal.</td>
<td>3 times in total length</td>
<td>2½ in length.</td>
<td>2½ in length.</td>
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<tr>
<td>Head contained</td>
<td>9 times in length</td>
<td>7 times in length</td>
<td>7 times in length.</td>
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<tr>
<td>Tail</td>
<td>½ longer than rest of body</td>
<td>½ longer than rest of body.</td>
<td>½ longer than rest.</td>
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<tr>
<td>Belly in females</td>
<td>Scarcely carinate</td>
<td>Scarcely carinate</td>
<td>With a sharp black carina. Color darker and body stouter than in the others.</td>
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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 plagiosa* (L.) Jor. & Gill.
3. * Chloroscombrus chrysayrus* (L.) Gill.
4. * Archosargus probatocephalus* (Walb.) Gill.
7. * Epinephelus* sp. ? (One very young specimen.)
8. * Orthopristis fulvomaculatum* (Mitch.) Gill.
10. * Chirollostoma* sp.
12. * Fundulus* sp.
16. * Lepidosteus osseus* (L.) Ag. (Scales).