

(3) Mullet spawn in salt water on a falling temperature, spawning later as you go south; commencing in the St. John's, Mosquito Inlet, and at Cedar Keys, about December 1, and continuing until the 31st; at Charlotte Harbor about December 20, and continuing until January 20.

(4) Having failed to obtain any ripe fish it is impossible to say what style of apparatus would be required for the propagation of mullet, or whether their eggs sink or float.

(5) Charlotte Harbor is unquestionably the point where mullet are most abundant, and the best adapted for fish-cultural work, two large ranches being worked at the main entrance to the bay, and sixty or seventy gill-nets fished in salt and brackish water from the passes to Punta Gorda. The vessels engaged in this work could lay in either salt or brackish water as the work required.

WASHINGTON, D. C., *February 21, 1888.*

49.—NOTE ON THE OCCURRENCE OF THE OPAH, *LAMPRIS GUTTATUS*, ON THE GRAND BANKS.

By DAVID S. JORDAN.

I have received from Hon. Everett Smith, of Portland, Me., the description and figure of a "sunfish" recently brought to the Portland market, and reported to have been taken off the "Grand Banks." Mr. Smith gives the following description:

"Length, 60 inches; vertical depth, 25 inches; skin smooth, without scales; mouth, small; opercles, very large; color, steel blue, iridescent, silvery on lower parts, variegated over whole body by oblong, whitish spots of one inch and less in length; fins, yellow."

From this description and an outline drawing kindly furnished by Mr. Smith, it is evident that the species is the Opah, *Lampris guttatus*, Retz., a rare pelagic fish, once before recorded from the Newfoundland Banks.

BLOOMINGTON, IND., *October 26, 1888.*