

ions of young fish will be furnished for the Haff every year from the safe spawning ponds, and make up for any losses. Success will surely crown these efforts at last, and our waters will again be filled with fish. A successful experiment, like the one we have described, will soon be imitated in other parts of our country, and our lakes and rivers will no longer, as at the present time, when our fresh-water fisheries have reached the lowest stage of their decline, only yield an average annual increase of 2 marks (47 cents) per hectare; but will equal in productiveness the finest and best cultivated portion of our land, and the income from each hectare of water will be at least twenty times as large as the one mentioned above. Whenever this takes place, our pisciculturists, and among them Mr. von dem Borne, with his 600 acres of water, will be the first to feel the consequences of the change, for fish will become much cheaper, and the fishing-waters will yield less income, in proportion as the condition of the lower classes of our population is improved by cheaper food. But this disinterested man, who has conceived the vast plan of stocking the Haff with carp, will not be influenced by such narrow considerations. The execution of this plan will prove a great blessing to our people, for we shall again see the carp, which has been banished from all tables except those of the rich on account of its high price, grace the table of our middle and poorer classes.

APPEARANCE OF DOGFISH (*SQUALUS ACANTHIAS*) ON THE NEW ENGLAND COAST IN WINTER.

By J. W. COLLINS.

(Letter to Prof. S. F. Baird.)

In the Cape Ann Advertiser of February 10, 1882, I find the following paragraph: "Immense schools of dogfish, extending as far as the eye can reach, have appeared off Portsmouth, an unusual sight in winter." Is it not possible that the presence of dogfish in such abundance in that vicinity this winter may have something to do with the scarcity of the cod in Ipswich Bay?

It is a fact well known to fishermen that dogfish in summer will drive the various species of bottom fish from the grounds, and it may be that they are quite as voracious and troublesome to the cod in winter as in warmer weather.

SMITHSONIAN INSTITUTION,

Washington, D. C., February 18, 1882.