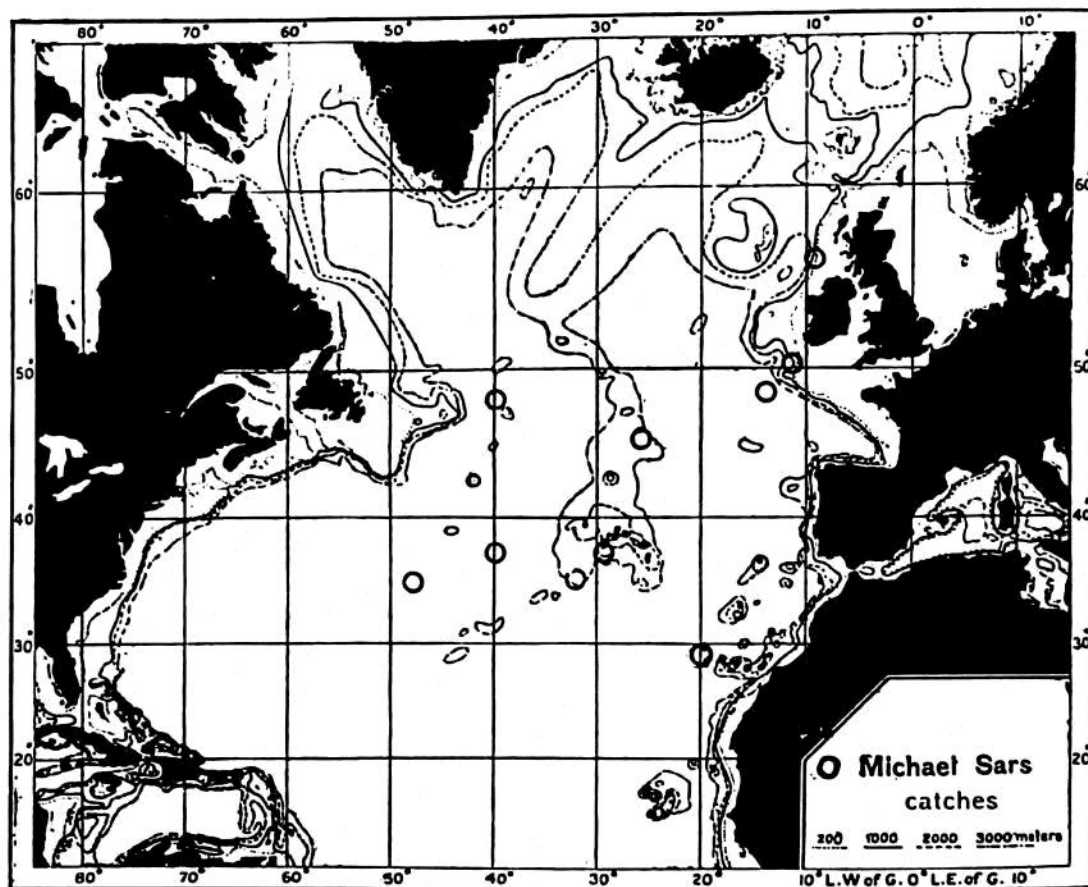


species found in depths below 500 or 1000 metres may in other localities nearer the polar regions reach the surface.

During the Atlantic cruise of the "Michael Sars" numerous arctic or northern forms were found in deep water in company with the genuine or permanent deep-sea animals, especially in our northern section from Newfoundland to Ireland. We succeeded in proving the continuous occurrence of such forms from the cold water-layers off the Banks of Newfoundland down to great depths, just as these cold water-layers have



*Gonostoma grande*

FIG. 477.

proved to be directly connected with the deep layers of the ocean (see pp. 658-659).

*Pelagic Communities in Depths between 150 and 500 Metres.*—At the upper limit of the bathypelagic region in about 500 metres certain fish, entirely different from the bathypelagic species, make their appearance along with *Cyclothone signata*. These fish are as a rule laterally compressed, with a mirror-like silvery skin; when coloured, the back is generally blackish brown, and the resplendent mirror-like sides of the body blue or violet. The eyes are large,