

same oceanographical region. In July 1910 observations were made by the "Michael Sars" at Stations 60 to 65 in the vicinity of the "Challenger" Station 65 of June 1873. Now, the temperatures of the great depths beyond 1000 fathoms prove to be identical in these two years, showing that the thermometers worked properly, but in the upper layers it was much colder in 1910 than it was thirty-seven years before, the difference in

Comparison of  
"Challenger"  
and "Michael  
Sars"  
temperature-  
observations.

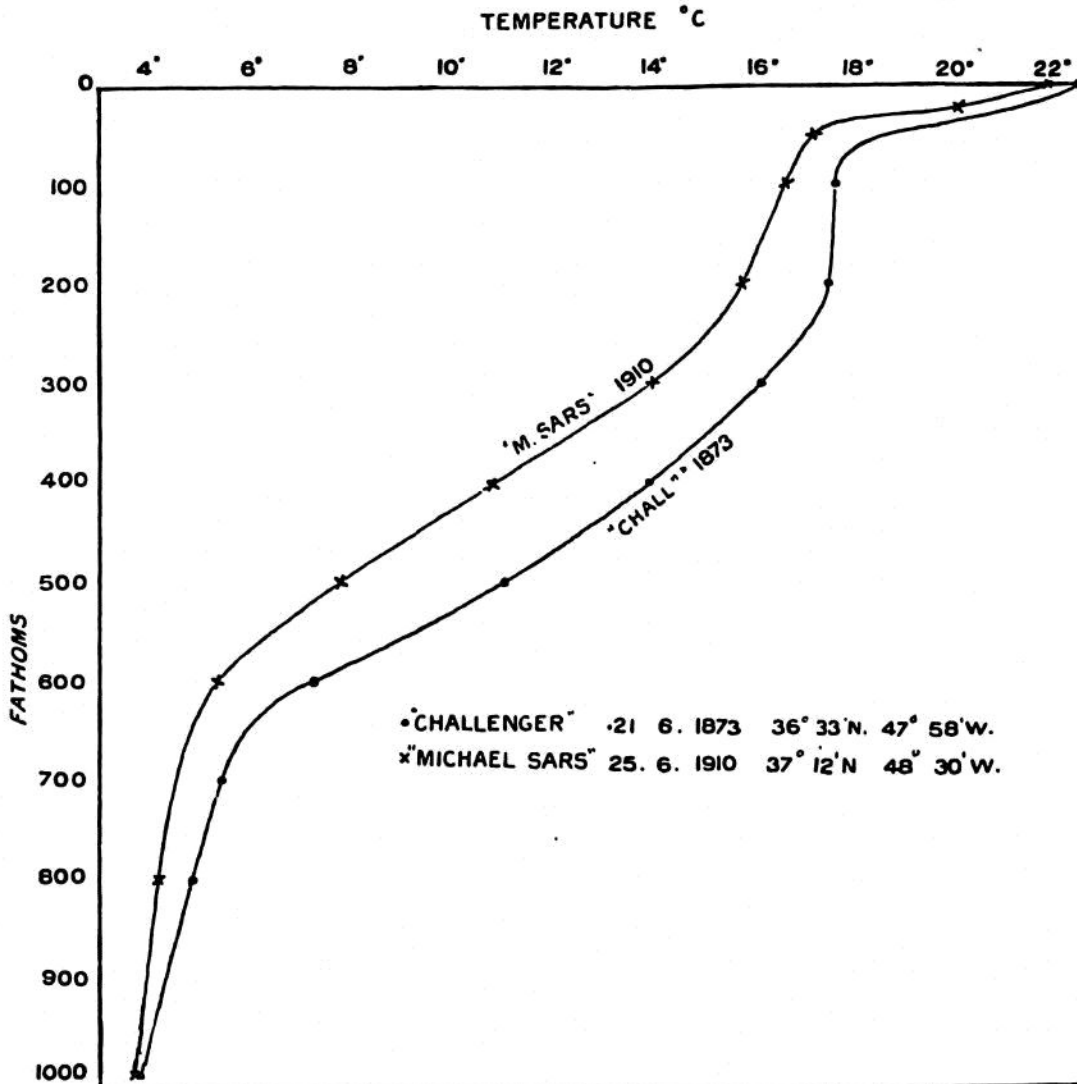


FIG. 210.—COMPARISON OF THE TEMPERATURES TAKEN BY THE "CHALLENGER" IN 1873 AND BY THE "MICHAEL SARS" IN 1910.

some cases amounting to about 5° C. at a depth of 700–800 metres (400 fathoms). Fig. 210 shows the temperature-observations at the "Challenger" Station 65 and the "Michael Sars" Station 65, between the surface and a depth of 1000 fathoms.

Observations were taken at the "Michael Sars" Station 51 in June 1910, in the vicinity of the "Challenger" Station 354 in May 1876. Fig. 211 shows the conditions at these two stations, which varied only to a slight extent; at certain depths