

MEAN SEA LEVEL.

The following conclusions are to be drawn from a report by E. Prevot and L. Merlin on the work of the "Service du Nivellement général de la France", in 1936, 1937 and 1938, published in the report of the proceedings of the "International Association for Geodesy", at the seventh general assembly, held, in Washington, September 1939, under the auspices of the "International Union for Geodesy and Geophysics".

1) That the mean level of the Atlantic Ocean is raised by nearly 20 centimeters at the head of the Bay of Biscay, viz. in the Biarritz Saint-Jean de Luz area.

2) That the mean level of the North Sea is supposed to be raised by about 40 centimeters at Dunkirk and more than 10 centimeters at Calais.

These results have been obtained through levelling and tide-gauges measurements carried out for many years.



INNER WAVES.

H. H. Seiwel, of the Woods Hole Institution, reports on measurements of temperature made at various depths in June 1937, about 100 miles off the N.-W. of the Bermudas.

These measurements show very appreciable vertical movements (50 metres and more) at short time intervals. By submitting these results to harmonic analysis, the author of the report was able to calculate the components of the vertical movements whose periods are of 12 and 24 lunar hours; he found that the vertical distribution of amplitudes and phases varies with time.

The movements are weakest in depths of about 1.000 meters.

