

may reach 30° C., at the greatest depths both in the Atlantic and in the Pacific the temperature is not higher than from 2° to 4° C., sometimes falling at great depths to 0° C. I quote from Mr. Prestwich's able presidential address to the Geological Society for the year 1871, a table of the most important of these earlier observations in the Atlantic and the Pacific :¹—

TEMPERATURES OF THE ATLANTIC.

Latitude.	Longitude.	Depth in Faths.	Temperature.		Observer and Date.
			Surface.	Bottom.	
42° 0' N.	34° 40' W.	780	16·7° C.	6·6° C.	Chevalier. . . 1837
29 0	34 50	1400	24·4	6·1	" . . . 1837
7 21	20 40	505	26·6	2·2	Lenz . . . 1832
4 25	26 6	1006	27·0	3·2	Tessan . . . 1841
15 3 S.	23 14	1200	25·0	4·1	" . . . 1841
25 10	7 59 E.	886	19·6	3·0	" . . . 1841
29 33	10 57	1051	19·1	2·0	" . . . 1841
32 20	43 50	1074	21·6	2·4	Lenz . . . 1832
38 12	54 80 W.	333	16·8	3·0	Tessan . . . 1841

TEMPERATURES OF THE PACIFIC.

Latitude.	Longitude.	Depth in Faths.	Temperature.		Observer and Date.
			Surface.	Bottom.	
51° 34' N.	161° 41' E.	957	11·8° C.	2·5° C.	Tessan . . . 1832
28 52	173 9	600	25·5	5·0	Beechey . . . 1828
18 5	174 10	710	24·7	4·8	" . . . 1836
4 32	134 24 W.	2045	27·2	1·7	The 'Bonite' 1837
Equator.	179 34	1000	30·0	2·5	Kotzebue . . . 1824
21 14 S.	196 1	916	27·2	2·2	Lenz . . . 1834
32 57	176 42 E.	782	16·4	5·4	" . . . 1834
43 47	80 6 W.	1066	13·0	2·3	Tessan . . . 1841

¹ Address delivered at the Anniversary Meeting of the Geological Society of London on the 17th of February, 1871, by Joseph Prestwich, F.R.S. Pp. 36, 37.