

increase of pressure, and this has since been confirmed by experiments made by Professor Tait.

Around the Society Islands the saltiest water of the Pacific is found; it is here only that the density exceeds 1·0270, and nowhere does it reach 1·0275. The great bulk of the water in this Ocean has a density under 1·0260. The very low surface specific gravity observed in lat. 9° N. is purely superficial, and is characteristic of the Counter Equatorial Current. As in the Atlantic, the minimum specific gravity is found usually at a depth of about 1000 fathoms, but in the Pacific light water approaches the Equator from *both* sides at the bottom, whilst in the Atlantic it comes in a marked degree only from the south; and consequently in the North Pacific the mean specific

TABLE VI.

Interval of Latitude.		Atlantic.		Pacific.	
From	To	Density at 60° F. (15°·56 C.).	Salt in Grammes per Kilogramme.	Density at 60° F.	Salt in Grammes per Kilogramme.
35 N.	30 N.	1·02724	36·65	1·02586	34·83
30	25	755	37·03	614	35·20
25	20	766	37·17	589	34·87
20	15	713	36·48	579	34·74
15	10	669	53·91	572	34·65
10	5	635	35·47	552	34·39
5	0	585	34·82	612	35·17
0	5 S.	628	35·38	654	35·72
5 S.	10	649	35·65	642	35·56
10	15	711	36·46	655	35·73
15	20	765	37·16	679	36·04
20	25	728	36·55	690	36·19
25	30	693	36·22	640	35·54
30	35	674	35·98	629	35·39
35 N.	0	1·026924	36·216	1·025863	34·836
0	35 S.	6926	36·218	6554	35·735
35 N.	35 S.	6925	36·217	6209	35·288