

water is the moderation of both summer and winter temperatures of the earth. It is not easy to estimate the total magnitude of this effect, but the manner in which it comes about is well illustrated by the differences between seaboard and inland climates or between the climate of a large part of the United States, which is a continental climate, and that of Western Europe, which is essentially an insular climate. In the most extreme form such moderation of climate is to be observed on the high seas and upon small islands. There are found the smallest known differences between the mean temperatures of different months of the year and of different hours of the day, and the least tendency to violent changes of temperature. The calculation of Zenker regarding normal temperatures may

LATITUDE	CONTINENTAL CLIMATE	MARINE CLIMATE	DIFFERENCE
Degrees	Degrees	Degrees	Degrees
0	34.6	26.1	-8.5
10	33.5	25.3	-8.2
20	30.0	22.7	-7.3
30	24.1	18.8	-5.3
40	15.7	13.4	-2.3
50	5.0	7.1	2.1
60	-7.7	0.3	8.0
70	-19.0	-5.2	13.8
80	-24.9	-8.2	16.7
90	-26.1	-8.7	17.4