I feel greatly honored by addressing you here on this island which was made and made beautifully by man, the shores of which are washed by the waters of the Pacific Ocean, and which now during this great exposition offers a marvelous display of arts, crafts and industries from the many countries around that big ocean.

I stand here, however, with mixed feelings, partly because my personal experiences of the Pacific Ocean are limited and of recent years, and partly because I always feel that it is a shame to reduce winds and waves, the ever shifting sky of the sea, and the vast expanse of the ocean to a series of graphs in black and white such as those which I shall use to illustrate part of my address to-day. However, I can not bring to you the fogs of the Bering Sea, the blue waves of the trade-wind belts or the icebergs of the Antarctic. I have to present my subject in a cut-and-dried fashion, but I feel confident that you will not leave with the impression that the Pacific Ocean is as undisturbed and behaves in so law-abiding a fashion as appears from my graphs. You are familiar with the sea and know that it is ever-changing and tantalizing to those who try to understand its moods, but to-night I must generalize and simplify.

My address will fall into two distinct different parts. In the first place, I wish to give a review of the currents of the Pacific Ocean and, in the second place, I
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