

CHAPTER VII.

SAN FRANCISCO TO MANILLA.

1841.

By the 28th of October, all the exploring parties had returned, and the duties of the observatory and surveys were completed. The instruments were at once embarked, and preparations made to sail with the first fair wind.

By a series of observations of moon culminating stars, the longitude of Sausalito Fort was found to be $122^{\circ} 25' 36''$ W.; the latitude, by numerous altitudes, $37^{\circ} 50' 50''$ N. Full series of magnetic observations were also made, with the usual meteorological record. The mean temperature for the eighty days during which the Vincennes lay at Sausalito was 61.6° .

The addition of the brig Oregon to the squadron rendered many changes necessary in the distribution of the officers. The command of that vessel was given to Lieutenant Carr, first lieutenant of the Vincennes, and such officers were ordered to act under him as would insure efficiency and harmony in the duties that remained to be completed.

It was with no little regret that I parted with Lieutenant Carr, who had been the executive officer of my ship for upwards of two years, during which time his duties had been at all times responsible, arduous, and valuable to the Expedition. By his excellent management the vessel had been kept in the best possible order, and while the comforts of the men were carefully attended to, the rules and regulations of the vessel were strictly enforced. In addition to the sufficiently arduous duties of executive officer, he was, during my frequent and necessary absences, charged not only with the duties on board, but with those of the observatory, and was, besides, my assistant in the care of the