

lead, making use of the current-log. Your acting-master has been shown the one in use on board this ship.

12th. You will expose two thermometers, one having its bulb covered with black wool, daily to the influence of the sun, and note the difference in your journal; also that which is shown in the shade; and you will continue all observations as heretofore.

13th. It is believed that the Relief will not require any repairs; should, however, any be necessary, you will complete them at once.

14th. You will avoid being blown off to the eastward by all the means in your power; running with the coast, and anchoring during the continuance of westerly gales under the land, is recommended. I am not aware that you have any dangers to fear, except kelp, which you may run boldly towards, but avoid entering.

15th. You will afford Mr. Rich, the Botanist, every facility in collecting specimens, &c., and, if possible, seek out places where a quantity of wild celery-grass may be collected for the crews on our arrival.

16th. You will issue to such of the crew as may require the warm articles of clothing supplied for the Exploring Expedition, charging them at the usual slop prices, which will be remitted at the end of the cruise, on the good behaviour of the men.

17th. You will give particular attention to the health and comfort of the officers and crew.

Wishing you a safe and speedy passage to your port of destination,
I am, &c.,

CHARLES WILKES,
Commanding Exploring Expedition.

LIEUT. COM. A. K. LONG,
U. S. Ship Relief.

U. S. Ship Vincennes,
Off Rio de Janeiro, Jan. 5th, 1839.

SIR,—

In the event of our separating, which, however, you will avoid by all possible exertions, you will proceed with all despatch to Orange Harbour, which is situated in latitude $55^{\circ} 30' 50''$ S., longitude $68^{\circ} 00' 23''$ W., taking such a course as will put you on soundings in about latitude 45° S.; continue on them all the way to Terra del Fuego, keeping close in with the land, as westerly gales prevail.

You will pass through the Straits of Le Maire, and double close round the southeast point of Terra del Fuego, until you are up with the Hermit Islands; you will then have your port open to you, clear of hidden dangers.