

I.—CONTINUED.

EXPERIMENTS MADE ON BOARD U. S. SHIP PEACOCK, AUGUST 25TH, 1840.

TIME.	SUN'S ALT.	SKY.	DEPTH POT SEEN.	CURRENT.
10 A. M.	53° 30'	Clear.	17 fathoms.	3½ fathoms south-by-west.
11 "	69	"	17 "	3½ " "
12 noon	78	"	17 "	3½ } fathoms south-by-west three-fourths west.
1 P. M.	70	"	16 "	2½ " south-by-west.
2 "	56	"	17 "	2 " "
3 "	41	"	15 "	2 " "
4 "	27	"	15 "	1½ " south.
5 "	12	"	15 "	2½ " south-by-east.

II.

U. S. Ship Vincennes,
Tongataboo, May 4th, 1840.

SIR,—

Herewith you have enclosed a chart of the Feejee Islands, in which you will find the eastern group, including the reefs, marked in red, which it is my intention you shall examine and survey, in as particular a manner as possible; beginning at the southern ones, and proceeding thence northward, to and fro, as you may find it advantageous, and the winds and weather will permit.

I would desire that nothing may escape you, and that you preserve the usual manner of surveying them that has been adopted in our former surveys.

You will keep particular notes relative to the passages through them, with the dangers that are to be avoided, and how they may be, taking sketches of their appearances; the set of currents, and the harbours, if any, to afford shelter for large or small vessels. The supplies to be afforded, including wood, water, provisions, &c.

On reaching Lakemba, you will obtain a pilot. There is one, I understand, there, who is well acquainted with the northern part of them, and who speaks English: you will communicate with the chief who resides there, and has the control of the whole group, and of