

STATION 92.

The Station-book records also :—A soft Holothurian, and a small Sternoptychid fish evidently from the surface.

Moseley writes : “ In the swabs was a Holothurian with gelatinous test, resembling that of *Salpa* in appearance, and with curious simple-spoked wheels in the epidermis.”

ORGANISMS FROM THE SURFACE.

Surface Organisms.—A flying fish (*Exocoetus nigricans*) came on board, but not many have been seen lately.

STATIONS 93 TO 93c.

Station 93 to 93c (Sounding 157 to 160), off Cape Verde Islands (see Chart 11).

July 27, 1873.

Temperature of air at noon, $75^{\circ}8$; mean for the day, $75^{\circ}7$.

Temperature of water at surface, $75^{\circ}0$.

At 6.30 A.M. got up steam, and at 9 A.M. proceeded under steam to sound. At 9.30 A.M. sounded in 1070 fathoms, deposit Volcanic Mud, containing 8.29 per cent. of carbonate of lime (Station 93). At 10.30 A.M. completed sounding, stopped engines, and made all plain sail. At 11.45 A.M. got up steam, and at 12.15 P.M. sounded in 1000 fathoms, deposit Volcanic Mud, containing 13.65 per cent. of carbonate of lime (Station 93A). At 2 P.M. stopped and sounded in 465 fathoms, deposit Volcanic Mud, containing 13.63 per cent. of carbonate of lime, bottom temperature $43^{\circ}5$ (Station 93B). At 3 P.M. stopped and sounded in 52 fathoms, deposit Coralline Sand, containing 94.20 per cent. of carbonate of lime (Station 93c). At 3.15 P.M. proceeded, at 4 P.M. passed Bird Island, and at 4.15 P.M. stopped and anchored in 7 fathoms. The four soundings taken to-day are in a line from the middle of the entrance of the channel between San Antonio and St. Vincent Islands, up to near Bird Island at the entrance to Porto Grande.

ORGANISMS FROM THE DEPOSIT.

DIATOMACEÆ.—The following species of Diatoms were observed by Mr. Comber in the deposit from Station 93A, 1000 fathoms :—

Amphora proteus, Gregory.
 „ *grundleri*, A. Schmidt.
 „ *crassa*, Gregory.
Navicula hennedyii, W. Smith.
 „ *clavata*, Gregory.
 „ *lyra*, Ehrenberg.
 „ *præterta*, Ehrenberg, and var.
 „ *bullata*, Norman.
 „ *directa*, Ralfs.
 „ *marginata*, Lewis.
 „ *smithii*, Brebisson.

Navicula fusca, Ralfs.
 „ *didyma*, Kutzing.
 „ *interrupta*, Kutzing.
 „ *multicostata*, Grunow.
 „ *incurvata*, Gregory.
 „ *bomboides*, A. Schmidt.
 „ *cincta*, Kutzing.
 „ *aspera*, Ehrenberg.
Pleurosigma directum, Grunow.
Cocconeis pseudomarginata, Gregory.
Nitzschia marina, Grunow.