

mium). No gulf-weed was to be seen. At night four specimens of *Halobates* were taken in the surface-net alive; when diving the insect is covered with a film of air like its near fresh-water relative *Hydrometra*, and swims in a very similar manner." STATION 17.

March 9, 1873.

Surface Organisms.—Moseley writes: "A dolphin (*Coryphæna*)¹ about a foot long was caught at the bows, this being the first. The boatswain hauled another much larger one out of the water, but the hook broke. A line I put out astern pulled the jaws off another. Gulf-weed is floating past again in considerable quantities, but still merely in small masses. There are numbers of flying-fish about. The surface-net taken in at 6 A.M. contained *Salpæ*, *Leptocephali*, and *Phyllosoma* in abundance."

Station 18 (Sounding 62), Tenerife to Sombrero (see Chart 6 and Diagram 1).

STATION 18.

March 10, 1873; lat. 19° 41' N., long. 55° 13' W.

Temperature of air at noon, 74°·8; mean for the day, 74°·0.

Temperature of water:—

Surface,	74·0	450 fathoms,	45·0
50 fathoms,	73·5	500 "	43·2
100 "	69·8	550 "	41·8
150 "	64·5	600 "	41·2
200 "	60·0	650 "	40·7
250 "	56·7	700 "	40·4
300 "	53·5	800 "	40·0
350 "	50·5	Bottom,	36·0
400 "	47·8		

Density at 60° F. at surface, 1·02732; bottom, 1·02615.

Depth, 2650 fathoms; deposit, Red Clay, containing 15·78 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 7.15 A.M. put dredge over. At 9.30 A.M. sounded in 2650 fathoms. Took serial temperatures at intervals of 50 fathoms down to 700 fathoms. At 2 P.M. commenced heaving in dredge, which came up empty at 4.50 P.M., except that it contained a young *Pyrosoma* and a small fish with very minute eyes, possibly from the bottom. Life-boat away collecting gulf-weed and surface animals.

Distance from Sombrero Island at noon, 472 miles. Made good 84 miles. Amount of current 15 miles, direction S. 79° W.

Surface Organisms.—Moseley writes: "Plenty of gulf-weed about. Five specimens of *Antennarius* were brought in and two nests. Five or six dolphins (*Coryphæna*) were about the ship, swimming leisurely round and round. When seen under water the

ORGANISMS FROM
THE SURFACE.

¹ This is the "dying dolphin" of sailors, and the expression "the dying dolphin's changing hues" refers to this fish and not to the Cetacean.