

Density at 60° F. at surface, 1.02580 ; 350 fathoms, 1.02551 ; bottom, 1.02560. STATION 220.
 Depths, 1100 fathoms ; deposit, Globigerina Ooze, containing 63.75 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9 A.M. shortened and furled sails, and got up steam to sound. At 9.30 A.M. stopped and sounded in 1100 fathoms, about 80 miles due N. of the N.E. extremity of Admiralty Islands. At 11.30 A.M. put trawl over. At 1.30 P.M. obtained serial temperatures down to the bottom. At 4 P.M. hove up trawl with some pumice-stones and a few specimens. At 5.30 P.M. completed temperatures. Owing to strong surface current drifting ship away from sounding-line, 200 fathoms were deducted from the 1300 fathoms run out, to allow for the angle of the line, but the temperature curve seemed to indicate the actual depth to be about 1200 fathoms. At 6 P.M. made all plain sail.

Distance at noon from Guam Island, 850 miles. Made good 82 miles. Amount of current 22 miles, direction W.

The following species are recorded in the Zoological Reports from the trawl at this Station :— ANIMALS FROM TRAWL.

DEEP-SEA KERATOSA (Haeckel, Zool. pt. 82).

Psammina globigerina, n.g., n.sp. Obtained at no other locality.

MACRURA (Spence Bate, Zool. pt. 52).

Gennadas parvus, n.g., n.sp. Three specimens ; for distribution see Station 45.
Oplophorus typus, M.-Edwards. One specimen ; obtained also at Station 196.

CEPHALOPODA (Hoyle, Zool. pt. 44).

Eledonella diaphana, n.sp. One specimen ; obtained at no other locality.

FISHES (Günther, Zool. pt. 57).

Melamphaës crassiceps, n.sp. One specimen ; obtained also at Stations 107, 120, and 146.
Gonostoma microdon, n.sp. One specimen ; for distribution see Station 23.

Another shrimp and another fish are recorded in the Station-book.

Excluding Protozoa, about 10 specimens were obtained at this Station, belonging to 8 species, of which 5 are new to science, including representatives of 2 new genera ; 2 of the new species were not obtained elsewhere.