

In addition to the foregoing, the following are recorded in the Station-book :—Many small Spatangids, many specimens of *Astropecten*, Annelid, two specimens of *Squilla*, *Alpheus*, many specimens of *Crangon*, many Caridid shrimps, several crabs (*Lupea*, &c.), blind Ophidiid (*Amblyopus*), several specimens of *Platycephalus*, many specimens of *Solea*, *Gobius*, and some other small fishes. STATION 233c.

Excluding Protozoa, over 100 specimens of invertebrates and fishes were obtained at this Station, belonging to about 20 species, of which 1 is new to science.

Station 234 (Sounding 375), off Japan (see Chart 35 and Diagram 16).

STATION 234.

June 3, 1875 ; lat. 32° 31' N., long. 135° 39' E.

Temperature of air at noon, 67°·8 ; mean for the day, 69°·1.

Temperature of water :—

Surface,	69·5	175 fathoms,	49·7
25 fathoms,	66·8	200 „	48·0
50 „	63·0	225 „	46·2
75 „	60·0	250 „	44·9
100 „	57·0	275 „	43·5
125 „	54·3	300 „	42·2
150 „	52·0	Bottom,	35·8

Density at 60° F. at surface, 1·02541.

Depth, 2675 fathoms ; deposit, Blue Mud, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. stopped and sounded in 2675 fathoms. Obtained serial temperatures down to 300 fathoms. At 9.10 A.M. completed temperatures and proceeded under sail ; Oosima lighthouse about 39 miles N.E. The surface temperatures observed indicated the presence of the Japan stream during the whole of the day. Black albatrosses, black petrels, and several swallows about the ship.

The following species are recorded in error from this Station, having evidently come from the shallow-water dredgings at the previous Station :—

ECHINOIDEA (Agassiz, Zool. pt. 9).

Echinocardium australe, Gray.

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

Penæus velutinus, Dana.

Alpheus avarus, Fabricius.