

STATION 73. West of Fayal, Azores. June 30, 1873. Lat.  $38^{\circ} 30' 0''$  N., long.  $31^{\circ} 14' 0''$  W. Depth 1000 fathoms. Pteropod ooze. Bottom temperature  $39^{\circ} 4$  Fahr.; surface temperature  $69^{\circ} 0$  Fahr.

*Plutonaster notatus.*

*Neomorphaster eustichus.* Also at Station 76.

STATION 75. Between the Islands of Fayal and San Jorge (Azores). July 2, 1873. Lat.  $38^{\circ} 38' 0''$  N., long.  $28^{\circ} 28' 30''$  W. Depth 450 fathoms. Volcanic mud. Surface temperature  $70^{\circ} 0$  Fahr.

*Astropecten hermatophilus.*

*Chætaster longipes.* Also at Station 36.

*Ophidiaster attenuatus.*

*Ophidiaster ophidianus.*

STATION 76. Between the Islands of San Miguel and Pico (Azores). July 3, 1873. Lat.  $38^{\circ} 11' 0''$  N., long.  $27^{\circ} 9' 0''$  W. Depth 900 fathoms. Pteropod ooze. Bottom temperature  $40^{\circ} 0$  Fahr.; surface temperature  $70^{\circ} 0$  Fahr.

*Pontaster venustus.* Also at Station 79.

*Neomorphaster eustichus.* Also at Station 73.

STATION 78. Between the Islands of San Miguel and Santa Maria (Azores). July 10, 1873. Lat.  $37^{\circ} 26' 0''$  N., long.  $25^{\circ} 13' 0''$  W. Depth 1000 fathoms. Volcanic mud. Surface temperature  $71^{\circ} 0$  Fahr.

*Plutonaster abbreviatus.*

*Aphroditaster gracilis.*

*Pentagonaster lepidus.*

STATION 79. Between the Azores and Madeira. July 11, 1873. Lat.  $36^{\circ} 21' 0''$  N., long.  $23^{\circ} 31' 0''$  W. Depth 2025 fathoms. Globigerina ooze. Bottom temperature  $35^{\circ} 9$  Fahr.; surface temperature  $71^{\circ} 5$  Fahr.

*Pontaster venustus.* Also at Station 76.

*Dytaster biserialis.*

STATION 89. Between the Canary Islands and Cape Verde Islands. July 23, 1873. Lat.  $22^{\circ} 18' 0''$  N., long.  $22^{\circ} 2' 0''$  W. Depth 2400 fathoms. Globigerina ooze. Bottom temperature  $36^{\circ} 6$  Fahr.; surface temperature  $73^{\circ} 5$  Fahr.

*Lonchotaster tartareus.*

*Thoracaster cylindratus.*

*Freyella tuberculata.* Also at Station 346.