

STATION 78.

*Aphroditaster gracilis*, n.g., n.sp. Obtained at no other locality. Only species of the genus.

*Pentagonaster lepidus*, n.sp. Obtained at no other locality.

OPHIUROIDEA (Lyman, Zool. pt. 14).

*Ophiernus vallincola*, n.g., n.sp. Obtained also at Stations 146 and 156, 1375 and 1975 fathoms. Only species of the genus.

*Ophiocten hastatum*, n.sp. Obtained also at Stations 146 and 168, 1375 and 1100 fathoms.

*Amphiura otteri*, Ljungman. Obtained also at Stations 45, 50, and 76.

ECHINOIDEA (Agassiz, Zool. pt. 9).

*Salenia varispina*, Agassiz. For distribution see Station 23.

*Phormosoma uranus*, Wyville Thomson, n.sp. Obtained also at Station VI.

HOLOTHURIOIDEA (Théel, Zool. pt. 39).

*Holothuria lactea*, n.sp. Two fragmentary specimens; obtained also at Station 169, 700 fathoms.

OSTRACODA (Brady, Zool. pt. 3).

*Cythere dictyon*, n.sp. Widely distributed (see Station 24).

„ *irpex*, n.sp. Obtained also at Stations 73 and 335.

*Cypridina gracilis*, n.sp. Obtained at no other locality.

CIRRIPEDIA (Hoek, Zool. pt. 25).

*Scalpellum acutum*, n.sp. One specimen; obtained also at Station 170, 520 to 630 fathoms.

AMPHIPODA (Stebbing, Zool. pt. 67).

*Amaryllis haswelli*, n.sp. One specimen; obtained at no other locality.

ISOPODA (Beddard, Zool. pt. 48).

*Ischnosoma spinosum*, n.sp. One specimen; obtained at no other locality.

*Leiopus leptodactylus*, n.g., n.sp. Numerous specimens; obtained at no other locality. Only species of the genus.

ANOMURA (Henderson, Zool. pt. 69).

*Lithodes agassizii*, Smith. Two specimens; obtained at no other locality by the Challenger. Recorded from east coast of United States.