

STATION 149A. Betsy Cove, Kerguelen Island. January 14, 1874. Lat. $49^{\circ} 8' 0''$ S., long. $70^{\circ} 9' 0''$ E. Depth 40 fathoms. Volcanic mud.

Leptoptychaster kerguelenensis. Depth 15 to 25 fathoms. Also at Stations 149D and 149E; and off Marion Island.

STATION 149D. Royal Sound, Kerguelen Island. January 20, 1874. Lat. $49^{\circ} 28' 0''$ S., long. $70^{\circ} 13' 0''$ E. Depth 28 fathoms. Volcanic mud. Surface temperature $41^{\circ} 0$ Fahr.

Leptoptychaster kerguelenensis. Depth 25 to 28 fathoms. Also at Stations 149A, 149E; and off Marion Island.

Gnathaster meridionalis. Also at Stations 149H, 150, 151; and off Marion Island.

Pteraster affinis.

Cribrella simplex, var. *granulosa*.

Perknaster fuscus. Depth 25 fathoms. Also at Station 151.

Echinaster spinulifer. Also at Station 149H.

Pedicellaster scaber. Depth 20 to 25 fathoms.

Asterias meridionalis. Depth 25 to 28 fathoms. Also at Stations 149E and 149H; and off Marion Island.

Asterias perrieri. Depth 25 to 28 fathoms.

STATION 149E. Off Cape Maclear, on the south-east coast of Kerguelen Island. January 21, 1874. Lat. $49^{\circ} 37' 0''$ S., long. $70^{\circ} 16' 0''$ E. Depth 30 fathoms. Volcanic mud.

Leptoptychaster kerguelenensis. Also at Stations 149A, 149D; and off Marion Island.

Porania glaber. Also at Station 149H.

Asterias meridionalis. Also at Stations 149D and 149H; and off Marion Island.

STATION 149H. Off Cumberland Bay, Kerguelen Island. January 29, 1874. Lat. $48^{\circ} 45' 0''$ S., long. $69^{\circ} 14' 0''$ E. Depth 127 fathoms. Volcanic mud. Surface temperature $39^{\circ} 8$ Fahr.

Bathybiaster loripes, var. *obesa*. Also at Station 151.

Gnathaster meridionalis. Also at Stations 149D, 150, 151; and off Marion Island.

Gnathaster elongatus. Also at Stations 150, 151; and off Marion Island.