

the previous cruises of our little vessel under the command of Lieut. Hoskyn, R.N. The deepest dredging of this excursion was 1,230 fathoms, with a minimum temperature of 3°·2 C., and a bottom of fine grey mud with a considerable admixture of sand. Animals were abundant even at this great depth: among the mollusca several new forms allied to *Arca*; *Trochus minutissimus*, MIGHEL, a North American species; and several others; several crustaceans, and many interesting foraminifera. As in previous dredgings in deep water, the miliolines were of very large size, and the large cristellarians showed every gradation in their axis of growth from the rectilinear to the spiral. In the shallower dredgings of this cruise the general character of the fauna was much the same as before. It had what we have been in the habit of considering a northern 'facies,' but probably, as already explained, because the largely extended deep-water fauna at a temperature of 0° to + 3° C., of which it forms a part, has hitherto only been investigated off the coast of Scandinavia, where it crops up within reach of observation.

*Limopsis aurita*, BROCCHI; *Arca glacialis*, GRAY; *Verticordia abyssicola*, JEFFREYS; *Dentalium abyssorum*, SARS; *Trochus cinereus*, DA COSTA; *Fusus despectus*, L.; *F. islandicus*, CHEM.; *F. fenestratus*, TURT; *Columbella haliaëti*, JEFFREYS; *Cidaris papillata*, LESKE; *Echinus norvegicus*, D. and K.; and *Lophohelia prolifera*, PALLAS, were found in these dredgings.

The 'Porcupine' next put into Killibegs Bay, on the north coast of Co. Donegal, and coaled there for her trip to Rockall. As it was anticipated that this