

(1 new species), 15 Clypeastridæ (all known species), 2 Nucleolidæ (1 new species), 13 Pourtalesidæ (12 new species), 6 Ananchytidæ (5 new species), 10 Spatangina (all previously known species), 18 Brissina (10 new species).

GEOGRAPHICAL AND BATHYMETRICAL RANGE.

At the time I published the Revision of the Echini (1872-74) there were enumerated 207 species distributed in 89 genera. This was a very material reduction of the number of species formerly recognised, and yet it included a couple of the deep-sea species dredged by the "Porcupine" and all the deep-sea species (13) discovered up to that time by Mr Pourtalès. Of the strictly littoral species there were not known at that time more than 192 species and 74 genera. In the general list now given there are 297 species and 107 genera enumerated, making in all 90 species and 25 genera added to the former list in spite of the reduction in number by the cancelling of a few nominal species of the older lists; not more than ten well-characterised species have been added by various writers to the list of the Revision in addition to the species discovered by the deep-sea dredging expeditions.

This leaves 80 deep-sea species described since those of Mr Pourtalès; of these 49 were discovered by the "Challenger," and 41 by the "Porcupine," "Josephine," and "Blake." Or about one-third of the whole number of known species of Echinoidea have been discovered since the days of deep-sea dredgings; of these 5 were brought to light by the "Josephine," the same number by the "Porcupine"; twenty-eight have thus far been described from the Coast Survey Expeditions ("Blake," "Bibb," and "Hassler"), and 49 from the "Challenger."

One new genus was discovered by the "Porcupine," and one by the "Josephine," nine by the Coast Survey Expeditions, and 15 by the "Challenger." But in addition to these new genera, 7 genera previously only known from fossils, were added to the present list, either by the "Blake" (3), "Challenger" (2), "Josephine" (1), or "Porcupine" (1).

The following compendium of our knowledge of the geographical, bathymetrical, and geological range of the recent Echinids will be found convenient for reference in the discussions which follow.

The only species which are not included in this list are those of the "Gazelle." A preliminary report of these Echinids has been published by Dr Studer,¹ and I have in the descriptions of the species of the "Challenger" referred to the species which I consider as identical or closely allied. The species described by Studer are from comparatively shallow water, and probably all belong to the Littoral Fauna.

¹ Monatsber. der K. Akad. J. W., Berlin, Juli 1876.