

The small square Case on the right contains a collection of miscellaneous Canadian rocks which formerly belonged to Sir William Logan; while the corresponding case on the left holds a series of Laurentian and Huronian rocks, collected by Mr. A. J. Hill, C. E., north of Lake Superior, and presented by him to the Museum.

UPPER OR GALLERY FLOOR

[On this floor are arranged the Collections in Zoology. The Invertebrate or lower animals are in the table cases, numbered continuously around the room, beginning on the right-hand side. The Vertebrate animals, including Fishes, Reptiles, Birds and Mammals, are in the alternating upright cases.]

IV. ZOOLOGICAL COLLECTIONS.

TABLE CASES ON RIGHT-HAND SIDE OF GALLERY.

First Table Case. *Protozoa and Hydrozoa.* The Protozoa or lowest animals are represented by specimens and magnified models of foraminifera and of the sponges. In the latter group there is a good collection of the Canadian species, and there are some interesting foreign forms, as the Venus' flower basket (*Euplectella*) and the Glass-rope sponge (*Hyalonema*). On the opposite side are Hydrozoa or Polyps and sea-jellies. Some of the latter are shown by glass models, and there are numerous examples of the skeletons of the Hydroid Polyps, especially some very large and fine species from California. At the end of this case is a magnificent specimen of *Millepora* which belongs to this group.

Second Table Case. *Actinoids.* This contains specimens of the Madreporae or reef-building corals, and glass models of their animals and of the allied Actiniae or sea-anemones.

Third Table Case. *Acyonoids.* This contains the sea-fans and gorgonias, the tube-corals and the red coral of commerce, a very beautiful and interesting group of animal structures. At the end of this and the next tables are examples of the large sponge-like structure known as Neptune's Goblet.

Fourth Table Case. *Echinodermata.* Here are the sea-stars, sea-urchins and their allies. In the group of crinoids or stalked star-fishes there is a fine specimen of *Pentacrinus*, a modern representative of many curious fossil forms. There is also a very complete collection of the Canadian star-fishes and some large foreign species, and many very beautiful examples of the sea-urchins, and sea-slugs or holothurians.

UPRIGHT CASES ON RIGHT-HAND SIDE OF GALLERY.

These are occupied with the *Fishes, Batrachians* and *Reptiles*. Among the former is a collection of Canadian fishes, presented by Dr. T. Sterry Hunt. There is also a very complete collection of the modern representatives of the ancient milled and pavement-toothed fishes, as *Lepidosteus*, *Amia*, *Polypertus*, *Ceratodus*, *Lepidosiren*, and *Cestracion*. Among the reptiles are good skeletons of the turtle, alligator and snake, &c.

CASES AT CIRCULAR END OF GALLERY.

Eight table cases and the intervening upright cases are occupied with the *Carpenter Collection of Mollusca*, presented to the University by Dr. Philip P. Carpenter, and mounted on glass in the elegant and permanent method devised by himself. This collection is unrivalled on this continent, in its extent, arrangement and richness in varietal forms. Besides the general collection there is a special collection of Mazatlan shells.