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# THE CARNEGIE MUSEUM

PITTSBURGH

(DEPARTMENT OF THE CARNEGIE INSTITUTE)

TENTH ANNUAL REPORT OF THE DIRECTOR

FOR THE

YEAR ENDING MARCH 31, 1907

1907



and arranged which when displayed will enable the student to make a comparative study of the fauna of the Palaeozoic and Mesozoic systems of Europe and America; for example, fossils of Silurian age of Bohemia, Gotland, England, and America are placed in parallel columns, and labels have been prepared showing the character and distribution of Silurian strata in the countries mentioned. This series will be supplemented by a systematic series of fossils arranged in biologic order as soon as cases can be provided.

The collection of invertebrates in the Section of Paleontology has received a number of small accessions. Professor E. Sherwood of the Shadyside Academy very kindly collected and donated to the Museum a series of upper Ordovician fossils from southern Ohio. The collection of Mr. Percy E. Raymond was purchased and added a large number of types and a considerable quantity of exhibition material to the collections in our possession.

The time of the other members comprising the members of the staff in the Section of Paleontology was mainly occupied in working upon our collections of vertebrates. Mr. Arthur S. Coggeshall, assisted by Mr. L. S. Coggeshall and Mr. S. Agostini, have with remarkable skill and ingenuity completed the mounting of the great skeleton of the *Diplodocus*, and the Director feels that it is not invidious to say that the mounting of this skeleton represents an advance over everything that has been done anywhere else in the world in placing such a colossal structure in position in such a manner as to secure absolute safety together with a lifelike pose, so far as it is possible to attribute lifelike characters to a skeleton. Mr. Coggeshall with great ingenuity devised a system of steel supports conforming themselves to all the sinuosities and rugosities of the under surface of the vertebræ, and so reduced in size, that, while maintaining sufficient strength and rigidity, they do not offend the eye by a display of "open plumbing work," which has been heretofore very much in evidence in the mounting of dinosaurian remains. The Director desires to express his entire and unqualified pleasure in view of the great skill shown by Mr. Coggeshall and his assistants in the performance of their at once difficult and delicate task. The



skeleton of the Diplodocus has been placed at one side of the open area in the central court of the Gallery of Vertebrate Paleontology, the purpose being to place alongside of it as soon as possible a skeleton of Brontosaurus and the skeletons of three or four other dinosaurs the material for the erection of which is already for the most part in the possession of the Museum. When the plans of the Director are carried out the Carnegie Museum will possess probably one of the very finest collection of dinosaurian remains on exhibition in any museum.

A host of specimens representing reptilia and mammals have been prepared for study and exhibition by Mr. Peterson, Mr. Earl Douglass, and their associates in the laboratory. Mr. Peterson and Mr. Douglass have shown great skill, and the mammalian skeletons prepared by the former, as well as the collection of skulls and feet prepared by the latter, must attract the admiration of all students who are familiar with this department of science. A great deal of the material prepared by these gentlemen represents species hitherto new to science, some of which have been described by Mr. Peterson and Mr. Douglass, descriptions of others of which will appear in papers shortly to be issued. A number of the more striking specimens contained in the celebrated Bayet collection were unpacked and remounted. Work in the Paleontological laboratory has gone forward strenuously and uninterruptedly, and on April the 11th, while only a mere fraction of the scientific treasures in our possession will be placed upon view, a very creditable beginning at least will have been made.

## SECTION OF COMPARATIVE ANATOMY AND OSTEOLOGY.

W. J. HOLLAND, Director (in charge).

In view of the great demands made upon us in many other directions little has been accomplished here, except what was necessary in connection with the work of other Sections. The collections belonging to the Museum have been by the Director to some extent distributed among the other Sections for purposes of illustration. Our plan is to place the collections representing the osteology of the mammals, birds, rep-