

3. Canadian Geology, in connection with which the Students will read Logan's Report of the Geological Survey of Canada, and Dawson's Acadian Geology.

4. Practical Paleontology and determination of species; with books of reference from the College Library, and specimens from the Museum.

5. Excursions for Field work will be undertaken when practicable.

In addition to the above, the Student will be examined in any two of the following subjects:—

1. The Systematic part of Botany, as in Gray's "Text Book" and "Manual," and specimens illustrative of these books from the Museum.

2. Owen's Lectures on the Invertebrate Animals, and specimens illustrative thereof from the Museum.

3. Dana's Mineralogy, and specimens illustrative thereof from the Museum.

§ XI. LIBRARY, MUSEUM, APPARATUS AND OBSERVATORY.

I. THE LIBRARY.

The Library of the Faculty of Arts contains about 6,000 volumes of standard works, selected with especial reference to the wants of Professors and Students, and open to their use during the Session.

The most important addition recently made to the Library is the "Redpath Historical Collection" consisting of 761 volumes of the more rare and valuable works relating to English History; and a collection of 255 volumes in Classical Literature presented by Mr. C. Alexander.

(The above statement does not include the Library of the Medical Faculty, which contains upwards of 4,000 volumes.)

II. THE MUSEUM OF NATURAL HISTORY.

1. **ZOOLOGY.** In this department the Museum contains a general collection of type specimens, illustrating the Orders and characteristic Genera of the Animal Kingdom, the whole arranged and labelled in such a manner as to correspond with the College course on the subject. There are also the following special collections:—

The Carpenter Collection of Shells, being the general collection of Dr. Philip P. Carpenter, presented by him to the University, and shortly to be arranged in a separate room.

The Carpenter Collection of Masatlan Shells.

The Couper Collection of 2,400 Canadian Insects.

Collections of Canadian Fresh water and Land Shells.

2. **BOTANY.** The Herbarium consists of the Collection of the late Dr. Holmes, of Montreal, presented by him to the University; and with the additions recently made to it, affording a nearly complete representation of the Flora of Canada. There are also collections of European, Arctic and Alpine Plants, and of specimens of Woods, Fungi, &c.

3. **GEOLOGY AND MINERALOGY.**—The general collection consists of a series of the characteristic Fossils of all the great geological periods, with additional suites of specimens, illustrating in greater detail the formations represented in Canada. There is also an extensive collection of Rock specimens, and collections are being formed representing the principal Mineral Regions of Canada.

The Mineralogical Cabinet consists principally of the "Holmes Collection," containing about 2,000 specimens of Canadian and Foreign Minerals. A large portion of these are displayed in glass cases for the use of students, under the arrangement of Dana's Manual of Mineralogy.

All of the above Collections are used to illustrate the lectures, or are open to the inspection of students, who are also entitled to access to the large and valuable collections of the Natural History Society of Montreal.