

BOOK NOTICE.

A LIST OF CANADIAN MINERAL OCCURENCES. By R. A. A. JOHNSTON, OTTAWA, 1915, GEOLOGICAL SURVEY OF CANADA.

In view of the great advance of the mineral industry of Canada in recent years, a complete list of its minerals and their localities has been much desired. Such a list now appears among the publications of the Geological Survey, and the compiler, Mr. R. A. A. Johnston, mineralogist of the Geological Survey, is to be congratulated upon the thoroughness of the work.

As is usual in such lists, the work is divided into two parts, the first of which discusses the minerals and indicates the localities where each mineral is found, while the second part contains a list of localities and indicates the minerals to be found in each place.

In view of the rapid development of the country involving changes in the boundaries of districts, it was hardly to be expected that the mineral occurrences should always be listed under the districts as they exist to-day. This difficulty is illustrated by the District of Nipissing, which in recent years has been sub-divided so that portions of the original district are now contained in four districts. In a few instances Mr. Johnston has failed to make the necessary readjustments, particularly in regard to Algoma and Kenora districts. There are some errors as to the chemical composition of minerals, as illustrated by breithauptite, which is an antimonide of nickel rather than of iron.

Unfortunately the localities recorded by Dr. J. J. Bigsby and by Dr. Samuel Robinson have been largely ignored, though some of Bigsby's localities are mentioned. In some cases proper references are given, while in others this has not been done. In the case of beryl from Rainy Lake, the reference is to a Geological Survey Report, but in that publication Dr. Bigsby is given credit for the locality. Interesting omissions are the staurolite on La Croix or Namaycan River, the jasper on Gunflint Lake, celestite from Lake Simcoe, and selenite from Manitoulin Island, which were mentioned by Dr. Bigsby (*American Journal of Science*, vol. 8, p. 60 et seq.)

In spite of these minor defects, this book is of a character in press work, plan and contents to take its place besides such noted works as Robinson's *American Mineral Localities* and Dana's *Catalogue of American Localities of Minerals*.

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