

PRINCE, E. E., B. A., F. L. S.—*Special Reports on (I) Practical Notes on the culture of Trout. II Peculiarities in the breeding of Oysters. III. The Sardine Fishing Industry in New Brunswick.*" Government Report, Ottawa, 1896.

This bulletin gives practical hints on pisciculture in several directions. I. How to procure the parent trout, the number and size of the eggs, the process of artificial spawning, method of fertilizing or vivifying the eggs. Hatching trays and conditions for hatching, the time of hatching, the removal of dead eggs and management and feeding of the fry are all points carefully described and treated.

The enemies of the trout are also considered, and details of rearing ponds, the growth of salmon and the fish to be avoided by pisciculturists are given.

II. Regarding the oyster, its structure, eggs, male and female characteristics, vivifying of eggs, embryo oysters, features of the Pacific, Atlantic and English oysters are given. The fecundity of various oysters and their growth, together with breeding features are then summarised.

III. Of the Sardine Industry in New Brunswick, Prof. Prince makes interesting remarks on the method of capture of the sardines, their value, process of canning etc. and concludes by stating that in his opinion the sardines caught in the different rivers of New Brunswick and British Columbia belong to several species.—H. M. A.

BUREAU OF MINES, ONTARIO.

BLUE, ARCHIBALD—"The Fourth Report of the Bureau of Mines," 1894, published in Toronto, 1895, distributed May 1896. Contains a large amount of valuable information regarding the mineral production of the Province of Ontario. Gold in Ontario forms a conspicuous chapter and includes notes on an examination of the northern part of Rainy Lake and Lake of the Woods region. The geological part of the report is prepared by Prof. A. P. Coleman who reviews and utilizes the work done by Lawson and other members of the Canadian Geological Survey. The Lake Nipigon, Lake Temiscaming and Lake Nipissing districts also come in for a share of attention and their mineral resources pointed out. Then follows a chapter on "Acetylene Gas and Calcium." It is with satisfaction that we note what is said regarding diamond drill explorations in Ontario. Care should be taken, however, to preserve the core in every instance. "Nickel and its Uses" constitute Section VI of the Report.