

upon grubs, one may appreciate the vast numbers of grubs that they consume."

The authors of a bulletin on 'Grasshoppers and their Control,' in South Dakota recognize the importance of the bird enemies of these pests. They say:¹ "Practically all birds which feed in fields infested with grasshoppers, include these insects in their bill of fare, but the following are the most useful in this respect: prairie chickens, quails or bob whites, meadow larks, Franklin gulls, all species of plovers, sparrow hawks, marsh hawks, red-winged blackbirds, yellow-headed blackbirds, purple grackles, crows, screech owls, burrowing owls, robins and several kinds of sparrows. Chickens and turkeys when present in sufficient numbers, also aid in checking an outbreak of hoppers." — W. L. M.

Report of the Biological Division of the Canadian Geological Survey for 1916.²— Besides the report on museum accessions and activities there are to be found in this volume an account of a reconnaissance in Barkley Sound, on the West Coast of Vancouver Island, by Clyde L. Patch, with an annotated list of the birds obtained — 37 species — by P. A. Taverner. Mr. Taverner also has a list of 103 species obtained at Brackendale, Lillooet and McGillivray Creek, B. C., by C. H. Young and W. Spreadborough, and another account of a collection of 33 species made by C. H. Young, at Douglas, Manitoba. In the same report Dr. R. M. Anderson has an account of the work of the Canadian Arctic Expedition of 1914–1916, with an annotated list covering 61 species of birds. All these lists are termed "preliminary." — W. S.

The Ornithological Journals.

Bird-Lore. XIX, No. 4. July–August, 1917.

Children of the Midnight Sun. By Joseph Dixon.— An illustrated account of the breeding habits of the Semipalmated Sandpiper on the Arctic coast of Alaska.

The Giant Bird Diatryma. By Walter Granger.

The Schuylkill Heronries. By Frank L. Burns.— An historical account of the Night Heron rookeries north of Philadelphia and the constant persecution and wanton destruction which has almost exterminated them.

The Educational Leaflet treats of the Phœbe, with a colored plate by Sawyer.

The Condor. XIX, No. 3. May–June, 1917.

The Home Life of the Baird Sandpiper. By Joseph Dixon.— Another study on the Arctic coast of Alaska, with illustrations.

¹ Bull. 172, S. D. Agr. Exp. Sta., February, 1917, p. 565.

² Summary Report of the Geological Survey, Department of Mines for the Calendar Year 1916, Ottawa, 1917. pp. 337–386.