

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.

Wild Ducks in City Parks. By W. W. Richards.—Four remarkable photographs taken on Lake Merritt, Oakland, California.

Some Factors Involved in the Nesting Habit of Birds. By Clarence H. Kennedy.—A popular account of modifications in bird structure connected with the development of the nest-building habit.

The Status of *Aphelocoma cyanotis* and its Allies. By Harry C. Oberholser.—After studying a large series of these Jays Dr. Oberholser finds that *A. cyanotis* does not occur within the boundaries of Texas, specimens so identified proving to be *texana*, and it must therefore be eliminated from the A. O. U. Check-List. Furthermore he finds that with the exception of the Florida Jay (*A. cyanea*), and *A. insularis* from Santa Cruz Island, all the forms intergrade and must therefore be rated as subspecies of *A. californica*. *A. c. immanis* Grinnell he regards as a recognizable race.

Birds of the Humid Coast. By Florence M. Bailey (concluded).—A delightful account of the birds of the California coast region.

The Condor. XIX, No. 4. July–August, 1917.

The Ospreys of the Yellowstone. By M. P. Skinner.

Habits of the Magpie in Southeastern Washington. By Lee R. Dice.

The winter Migration of 1916–17 in the Northwest. By J. Hooper Bowles.—Photograph of Bohemian Waxwings.

Observations on Some Fresno Birds. By H. S. Swarth.

Some Birds of Central Oregon. By Alex Walker.—An annotated list of 139 species.

The Wilson Bulletin. XXIX, No. 2. June, 1917.

Some Notes of the Birds of Rock Canyon, Arizona. By F. C. Lincoln.—An annotated list of 66 species.

Some Local Names of Birds. By W. L. McAtee.—Local names for 156 species supplementary to a previous list published in 'Forest and Stream,' Vol. 77, pp. 172–174 and 196–197.

More Records from the "Shores" Collection. W. F. Henninger.—Mainly from Connecticut.

A Criticism of two Recent Lists of Iowa Birds. By Ira N. Gabrielson.—Errors in a paper by C. L. Fenton corrected and other probable errors in this paper and one by F. M. Tuttle are pointed out.

The Oölogist. XXXIV, No. 6. June 15, 1917.

Bird Collecting in Eastern Colombia. By Paul G. Howes.—The author's diary on the American Museum Expedition of 1913, under Dr. F. M. Chapman (continued in the July and August numbers).

Oölogist. XXXIV, No. 7. July, 1917.

Nesting of the Mallard Duck at Branchport, N. Y. By Verdi Burtch.

The Ibis. X Series. V, No. 3. July, 1917.

Notes on the Ornithology of Malta. By G. Despott.—The first installment consists of a bibliography and an annotated list of 146 species.

Notes on the Nidification of some Indian Falconidæ. II. The Genus *Accipiter*. By E. C. Stuart Baker.

A Collection of Birds from two Districts of British East Africa. By

C. W. Mackworth-Praed.— Collections were made on the Tsavo River and about Thika. 188 species are listed, and several groups are considered at some length — notably the species of *Podica*.

What is *Turdus minutus* Forster, from Cook's Botany Island? By L. Brasil.— Identifies it with *Acanthiza flavolateralis* of G. R. Gray.

Notes on Birds recently observed in Macedonia. By Capt. A. G. K. Sladen.

Bulletin of the British Ornithologists' Club. CCXXV, May 25, 1917.

Lord Rothschild discussed the species of *Lophophorus* and came to the conclusion, with the aid of a large amount of new material, that *L. refulgens* and *L. impejanus* are one and the same species.

Dr. Hartert called attention to the peculiar protuberance on the belly of *Textor*.

Bulletin of the British Ornithologists' Club. CCXXVI, June 26, 1917.

Dr. Hartert described *Alæmon alaudipes boavistæ* (p. 56) from Boavista Cape Verde Islands.

British Birds. XI, No. 1. June, 1917.

Additions and Corrections to the Hand-List of British Birds. (Second List.)

Notes on the Breeding Habits of the Dotterel on the Yenesei. By Maud D. Haviland.

Field Notes on the Nesting of the Dotterel in Scotland. By Capt. C. S. Meares.

The Moults of the British Passeres. By H. F. Witherby. This installment and the one in the following number cover the warblers and thrushes.

British Birds. XI, No. 2. July, 1917.

The Severe Winter of 1916-17 and its Effect on Birds in the South of Ireland. By C. J. Carroll.— The mortality all over Ireland was "desperately heavy."

Some Notes on the Breeding Habits of the Merlin. By E. R. Paton.

British Birds. XI?, No. 3. 1917.

Field Notes on the Nesting of the Hobby. By Capt. C. S. Meares.

The Moults and Sequence of Plumages of the British Waders. By Annie C. Jackson.— A valuable article supplementing Mr. Witherby's papers on the moult of the Passeres. It is gratifying to read that the author would emphasize the fact that "colour change without moult, excepting of course effects due to abrasion and fading, plays no part in the sequence of plumages of the *Limicolæ*."

Avicultural magazine. VIII, No. 8. June, 1917.

The Red-breasted Goose (*Bernicla ruficollis*). By H. D. Astley.— With colored plate.

Birds in London and Suburbia. By Allen Silver.— An interesting paper especially to those who make "city lists" in this country.

- Agricultural Magazine.** VIII, No. 9. July, 1917.
On taming Parrots. By Rosie Alderson.
- Bird Notes.** VIII, No. 6. June, 1917.
Bird Life in the Firing Line. By Dr. N. S. Lucas.
Spectacled Owl (*Syrnium perspicillatum*). By Miss E. F. Chawner.—
With plate.
- Bird Notes.** VIII, No. 7. July, 1917.
A Cruise in the S. Y. "Vectis."—To Norway in 1904.
- The Emu.** XVII, No. 1, July, 1917.
Cooper's Creek Tree Creeper (*Chimacteris waiteti*). By S. A. White.—
With colored plate.
Birds of the Rockingham Bay District, North Queensland. By A. J. Campbell and H. G. Barnard.—An annotated list of 187 species.
Procellariiformes of Western Australia. By W. B. Alexander.
Description of a New Sub-species of *Platycercus elegans* (Gmelin).
By Edwin Ashby.—*P. e. fleurieuensis* (p. 44), from the Fleurieu Peninsula, South Australia.
- The South Australian Ornithologist.** III, Part 3. July, 1917.
Tasmanian Field Notes. By Edwin Ashby.
Birds of the North and Northwest of Australia. By Gregory M. Mathews.
Notes on the Mallee Fowl (*Leipoa ocellata rosinae*). By T. P. Bellchambers.—Much detailed information on the nesting, with temperatures of the mound and periods of incubation of the eggs.
- The Austral Avian Record.** III, No. 4. July 21, 1917.
New Subspecies and Notes on Species. By G. M. Mathews.
The Rediscovery of two Lost Birds. By G. M. Mathews.—*Nesomalurus leucopterus* and *Diaphorillas textilis*, obtained by Mr. Tom Carter.
Notes on Some Extra-limital Parrot Names. By G. M. Mathews.
Silvester Diggles, Ornithologist. By G. M. Mathews.—Portrait and description of the parts of his "Ornithology of Australia."
- Revue Française d'Ornithologie.** IX, No. 98. June 7, 1917. [In French.]
Study of a Collection of Birds from Matto Grosso. By A. Menegaux (concluded).
Ostrich Raising in Madagascar. By C. Riviere (continued).
On *Ruticilla tithys* and *R. cairii*. By A. Menegaux. The latter is merely an early plumage stage of the former.
- Ornithologische Monatsschrift.** 40, Nos. 7 to 11. July to November, 1915. [In German.]
Observations in the Vicinity of the Moritzburg Ponds 1906-1914 (continued through all the numbers).