

The history of the Capercaillie is particularly interesting. This bird became extinct in Scotland in the eighteenth century apparently owing to the destruction of the ancient Caledonian forest. In 1837 however, a number were brought from Sweden and liberated, which have increased and repopulated a large part of Scotland.

Thirty-five excellent plates of birds and their haunts from photographs illustrate this attractive book.— W. S.

Job's 'The Propagation of Wild Birds.'¹ — The rearing of wild birds, both upland game birds and waterfowl, has been making great headway during the past few years, until now an occupation which was almost unknown a decade ago is demanding literature and information for its guidance. In answer to this call the National Association of Audubon Societies has established a 'Department of Applied Ornithology' and the head of this department, Mr. Herbert K. Job, issues under this title the first 'Manual of Applied Ornithology.'

Those who have read Mr. Job's bulletins upon the rearing of wild birds issued by the National Association of Audubon Societies will understand the character of the present volume — a concise presentation of facts covering all phases of the subject. These are conveniently assembled and each topic conspicuously indicated by heavy-faced type, while a general index helps one to find the information which he desires. Numerous good half-tones from photographs illustrate the work.

The volume is divided into three parts devoted respectively to 'Gallinaceous Birds,' 'Waterfowl' and 'Smaller Land-birds.'

Under Part I. the Chapter headings are: 'General Methods'; 'Quail Propagation Method as a Basis'; 'The Grouse Family'; 'The Wild Turkey'; 'Pheasant Rearing'; 'Other Foreign Gallinaceous Species'; 'Pigeons and Doves'; 'Control of Vermin.' Under Part II: 'Wild Ducks'; 'Wild Geese'; 'Swans'; 'Wading Birds'; 'Refuges and Protected Colonies.'

These two parts are largely elaborations of the two bulletins above referred to which have already been noticed in these columns.

Part III which appeals more directly to the ornithologist and bird-lover comprises four chapters: 'Preliminary Matters'; 'Aids to Nesting'; 'Making Surroundings Attractive'; and 'Artificial Feeding.' These deal with helping birds to breed in a wild state rather than rearing them in captivity although the line between the two methods is perhaps more imaginary than real. Practical advice as to nesting boxes is given — how to build them, where to place them, etc., also how to provide nesting

¹ *The Propagation of Wild Birds. Manual of Applied Ornithology. Treating of Practical Methods of Propagation of Quails, Grouse, Wild Turkey, Pheasants, Partridges, Pigeons and Doves, and Waterfowl, in America, and of Attracting and Increasing Wild Birds in General, Including Song-Birds.* By Herbert K. Job. Illustrated from Photographs Mostly by the Author. Doubleday, Page & Company, Garden City, New York, 1915. Svo., pp. i-xxvii + 1-276.

material for birds which do not use boxes — flax for Orioles, artificial mud puddles for Robins, etc. Baths, fountains, berry-bearing trees and food boxes also come in for detailed consideration and go to make up a book that is fully deserving of the subtitle which Mr. Job has bestowed upon it, 'A Manual of Applied Ornithology.' — W. S.

The Ornithological Journals.

Bird-Lore.¹ XVII, No. 5. September–October, 1915.

Bird Clubs in America. By F. M. Chapman.— Followed by reports on the work of seven such organizations.

Bird Photography and Suet Stations. By A. Jacot.

The Great Destruction of Warblers: An Urgent Appeal. By A. R. Sherman.

Migration of North American Birds. By W. W. Cooke.— Treats of the crested Titmice.

The Condor.² XVII, No. 5. September–October, 1915.

Characteristic Birds of the Dakota Prairies. I. In the Open Grassland. By Florence Merriam Bailey.

A Walking Eagle from Rancho la Brea. By L. H. Miller.— Description of a new species from this famous deposit, *Morphnus daggetti* (p. 180).

Estimated Average Age of the Herring Gull. By J. T. Nichols.— An interesting and suggestive paper.

A Late Nesting Record for the California Woodpecker. By H. W. Myers.

Description of a New Race of Savannah Sparrow and Suggestions on Some California Birds. By L. B. Bishop.— *Passerculus sandwichensis brooksi* (p. 187), Chilliwack, B. C. Notes on 15 other species.

A Partial List of the Summer Resident Land Birds of Monterey County, California. By J. R. Pemberton and H. W. Carriger.

The Oölogist.³ XXXII, No. 10. October 15, 1915.

Odd Nesting of the American Merganser. By I. T. Van Kammen. No. 11, contains excellent photographs of Duck Hawk nests by J. B. Dixon.

The Ibis.⁴ X Series. Vol. III,*No. 4. October, 1915.

Report on the Birds collected by the late Mr. Boyd Alexander during

¹ Organ of the Audubon Societies. Edited by F. M. Chapman. Published by D. Appleton & Co., Harrisburg, Pa. (Bimonthly) \$1 per year.

² Edited for the Cooper Ornithological Club by Joseph Grinnell. Published at The Condor office, First Nat. Bank Building, Hollywood, Cal. (Bimonthly) \$1.50 per year.

³ Edited and published by R. M. Barnes, Lacon, Ill. (Monthly) \$1. per year.

⁴ Edited for the British Ornithologists' Union by W. L. Sclater. Published by Wm. Wesley and Son, 28 Essex St., Strand, London, W. C. (Quarterly) £1. 12s. per year.