

Roberts on Minnesota Birds.—Dr. Roberts has contributed a valuable paper¹ to the Report of the State Game and Fish Commission, on 'The Water Birds of Minnesota, Past and Present.' It is replete with reminiscences of the water-bird life of earlier years gathered from Dr. Roberts' personal experiences, which date back to 1875, and those of others. The style of treatment of the several families varies somewhat, the Grebes, Ducks, Gulls, etc., being considered in groups, while in the case of the shore-birds each species is discussed separately. The status of the rarer species is carefully considered and much important detailed information is made available to the ornithologist, while the main object of the paper — to present information of interest and value to the general public and the sportsman in particular — is not lost sight of.

Another recent publication² of Dr. Roberts is entitled 'A Review of the Ornithology of Minnesota' and is intended as an aid to students in the University of Minnesota and to others interested in the study of the birds of the State. There is an annotated list of species occurring regularly in Minnesota, another of the rare or accidental species, as well as of the introduced, unsettled, and extirpated species, a discussion on vanishing birds, and a hypothetical list of birds recorded from Minnesota, but of which no local specimens have been preserved. Other chapters treat of bird laws, wild life refuges, and an abridged bibliography of Minnesota ornithology. The pamphlet is full of excellent half-tone illustrations from photographs by the author, whose ability as a bird photographer is well known.

A faunal map of the State is also included, in which we find it divided into Canadian, Alleghanian, "Pseudo-Campestrian," and "Pseudo-Carolinian." While we realize the difficulty of drawing satisfactory faunal boundaries where several zones converge, we fail to see the advantage of coining new names. It would seem better to adhere to the nomenclature of the Biological Survey or other recognized authority and to explain in annotations that the zones as they occur in the region under discussion are dilute, not typical, etc. Dr. Roberts is, however, by no means alone in the practise that he has adopted.—W. S.

Second Ten Year Index to the Condor.³—The Cooper Ornithological Club has published as Pacific Coast Avifauna, No. 13, a second ten-year index to 'The Condor,' covering the years 1909–1918, by J. R. Pemberton.

¹ Water Birds of Minnesota, Past and Present. By Thomas S. Roberts, M. D., Curator Zoological Museum, University of Minnesota. Extracted from the Biennial Report of the State Game and Fish Commission of Minnesota, for the Biennial Period Ending July 31, 1918. pp. 56–91.

² A Review of the Ornithology of Minnesota. By Thomas Sadler Roberts, M. D. Professor of Ornithology and Curator of the Zoological Museum in the University of Minnesota. Research Publications of the University of Minnesota. Vol. VIII, No. 2. May, 1919. pp. 1–100. Addendum and Introduction. Price 25 cents.

³ Second Ten Year Index to the Condor, Volumes XI–XX, 1909–1918. By J. R. Pemberton. Pacific Coast Avifauna, Number 13. Hollywood, California. August 15, 1919. pp. 1–92. Cooper Ornithological Club.

It follows essentially the plan of the 'Auk' index, except that the subheadings under which the references are arranged are not italicized, while the volumes are indicated by number instead of year and are not printed in heavy-faced type. The use of italic would, we think, have made it easier for the eye to catch the desired reference, but that is a minor point. The compiler has done his work well and is to be congratulated upon the completion of a thankless task, but one that will save time and trouble for hundreds of others who may have occasion in the future to consult these volumes of 'The Condor.' The value of such an index as Mr. Pemberton has prepared is emphasized in a summary of such publications, which appears in 'Notes and News' of the present issue of 'The Auk.'

Besides the Index proper there is a list of persons mentioned in the 'First Ten-Year Index,' but whose names were not there given in full. The missing data have now been supplied largely by Dr. T. S. Palmer and the names now appear in complete form. Such corrected lists almost invariably contain new errors, and we notice in this instance that Dr. W. L. Ralph's name appears as 'Rolph,' while that of Mr. R. P. Sharples has an additional 's.' Both of these were correctly spelled in the first index. It goes without saying that everyone who possesses a file of 'The Condor' must have this volume.—W. S.

Riley on New Birds from Celebes and Java.¹—A further study of the collection of Celebes birds made recently by Mr. H. C. Raven (cf. Auk, 1919, p. 302) has revealed five apparently unnamed forms from that island and one from Java. These are described by Mr. Riley as follows: from Java, *Excalfactoria chinensis palmeri* (p. 93); from Celebes, *Anas superciliosa percna* (p. 93), *Megalurus celebensis* (p. 94), *Dicruropsis montana* (p. 94), *Pachycephala pluviosa* (p. 95), and *Zosterops atrifrons* (p. 95).—W. S.

Chubb on South American Birds.—The second instalment of Mr. Chubb's notes on South American collections in the British Museum² covers all the families from the Grebes to the Raptores of Sharpe's 'Hand List.' It consists mainly of citation of specimens of interest either from locality or condition of plumage, but one form is described as new *Oreophilus ruficollis simonsi* (p. 262) from Challapata, Bolivia.—W. S.

Lonnberg on Hybrid Gulls.—In a recent paper³ Dr. Lonnberg describes some Hybrid Gulls which were bred in the Zoological Garden at Skanses, Sweden, from the crossing of a male *Larus fuscus* and a female

¹ Six New Birds from Celebes and Java. By J. H. Riley. Proc. Biol. Soc. Washington, Vol. 32, pp. 93-96, May 20, 1919.

² Notes on Collections of Birds in the British Museum, from Ecuador, Peru, Bolivia, and Argentina. Part II. Podicipediformes—Accipitriformes. By Charles Chubb. The Ibis, April, 1919, pp. 256-290.

³ Hybrid Gulls. By Einar Lonnberg. With three plates and six figures in the text. Archiv. for Zoologik. Svenska Vetenskapsakad. Band 12, No. 7. pp. 1-22. 1919.