

chus (p. 2) for *Leucopternus princeps*; *Percnohierax* (p. 2) for *Falco leucorrhous* Q. & G.; *Hapalocrex* (p. 3) for *Rallus flaviventris*; *Linnocrex* (p. 3) for *Porzana cinereiceps* Lawr. and *Thryocrex* (p. 4) for *Corethrura rubra* Sel. & Salv.—W. S.

Murphy on the Peruvian Guana Birds.—In the third of his series of papers¹ on 'The Seacoast and Islands of Peru,' Dr. Robert Cushman Murphy describes his trip from Callao to the Guano Islands. He also outlines the history of the Guano industry and describes its present condition, concluding with a brief account of the several birds which form the great colonies on the islands. Quoting from Dr. F. A. Lucas who visited the islands in 1869, Mr. Murphy states that even at that time they had been swept clear of guano birds and that no sign of the streaming flocks was to be seen. By the close of the nineteenth century the birds had been so reduced that it was hardly thought possible that they could be saved and the industry revived. Happily however during the past twelve years, thanks to an intelligent administration and the expert advice of two foreigners, Dr. Henry O. Forbes and Dr. Robert E. Coker, the wonderful colonies have been restored and a most valuable industry has been placed upon a permanent basis. A large number of excellent illustrations from photographs by the author accompany the account.

In another recent paper² Mr. Murphy has described the Zoological garden at Lima, Peru and presented a number of illustrations of the birds and mammals which are there exhibited.—W. S.

Dr. Shufeldt's Bibliography.—The ninth and final instalment of the list of Dr. Shufeldt's published writings³ has appeared bringing the total number of titles, up to the time of going to press, to 1565. He states, however, that his production of papers is going on as rapidly as ever, which, judging from the bibliography, means from thirty to fifty per year, so that in order to keep the list up to date he proposes to issue the first supplement about March, 1921.—W. S.

Aves in the Zoological Record—1918.—Once more we are indebted to Mr. William Lutley Selater for the compilation of this invaluable bibliography of ornithology, without which systematic work on birds would be involved in hopeless complications.⁴ The titles which he has collected number 937 as against 707 for 1917. A number of titles not available during the past few years on account of war conditions are incorporated here so that the record may eventually be complete. Ober-

¹ The Seacoast and Islands of Peru—III. By Robert Cushman Murphy. Brooklyn Museum Quarterly. October, 1920.

² The Zoological Park of Lima, Peru. By Robert Cushman Murphy. Zool. Soc. Bulletin. September, 1920.

³ Complete List of My Writings with Brief Biographical Notes. By Dr. R. W. Shufeldt. Ninth Instalment. Medical Review of Reviews, September, 1920. pp. 495-498.

⁴ Aves [in the Zoological Record]. By W. L. Selater, M.A. Vol. LV, 1918, pp. 1-75. Printed for the Zoological Society of London; sold at their House in Regent's Park, London, N. W. 8. Price 6s. October, 1920.

holser seems to head the list in the matter of number of publications with 25 titles. The full alphabetical list is followed by a subject index arranged under various headings and a systematic list of new species and genera.—W. S.

Whitman's 'Familiar Studies of Wild Birds.'—This volume¹ is primarily a collection of excellent half-tones of photographs of birds and nests taken by the author—seventy-one in number. The eighty-five pages of text, with the exception of two chapters on 'Notes from the Indiana Sand Dunes' and 'Photography of Birds,' are explanations of the plates with notes on the habits and actions of the birds that were under observation. The species treated are the Cedar Waxwing, Bronzed Grackle, Parkman's Wren, Brewer's Blackbird, Broad-tailed Hummingbird, Common Tern, Yellow Warbler, Mourning Dove, Horned Owl and Kingbird, each of which is pictured in a series of plates, while there are single views of a few others. The western species were studied at Strawberry Valley, Utah.

Mr. Whitman's pictures will prove of especial interest to those who devote themselves to out-door photography. From a scientific standpoint the study of the Broad-tailed Hummingbird is perhaps the most important, particularly the photograph and description of the stubby-billed young, black skinned and nearly naked, with only a few yellow hairs ornamenting their backs. The Grackles feeding by the water's edge are rather unique as bird pictures. We notice one unfortunate slip on page 33, where the technical name of the Rock Wren has in some way been used for Parkman's Wren. The book is exceedingly well gotten up and the plates are well printed.—W. S.

Slater and Mackworth-Praed on the Birds of the Sudan.—Messrs. W. L. Slater and C. Mackworth-Praed have been engaged in a critical study of several collections of birds from the Anglo-Egyptian Sudan, which have come into possession of the British Museum—notably those of Mr. A. L. Butler—3100 skins; and of Messrs. A. Chapman and Capt. Lynes, 1600 skins; and that of Major Cuthbert Christy. The results of their studies have been published in four instalments in 'The Ibis' from 1918 to 1920, and now appear as a bulky "separate" of 336 pages.²

The attempt has been made to include all species reliably recorded from the region under consideration and some 773 names appear in the list. The comment is wholly technical dealing with relationship, racial varia-

¹ Familiar Studies of Wild Birds—Their Haunts and Habits. By F. N. Whitman. With many photographs by the author. Boston, Richard G. Badger. The Gorham Press (1920), pp. 1-85, 8vo. Price \$3.00.

² A List of the Birds of the Anglo-Egyptian Sudan. By W. L. Slater, M.B. O.U., and C. Mackworth-Praed, M.B.O.U. The Ibis, July, 1918, October, 1918, October, 1919, and October, 1920.