

information is presented, drawn from the author's experiences while accompanying his friends of the Delaware Valley Ornithological Club and others on trips in search of nests and eggs, daily lists of birds or nature lore of other kinds. The chapters deal with his favorite tramping ground, the New Jersey Coast and the Pine Barrens; with the Okefinokee Swamp; with the lowlands of Virginia; and with the hill country of Connecticut and northern New Jersey.

Mr. Scoville has the gift of presenting nature to us in all her beauty and again and again there are paragraphs that recall vividly to memory experiences that we have all enjoyed. Of the singing of the Sparrows, for instance, he writes: "The Fox Sparrow of the Far North has a song whose notes are as rich and beautiful as gold. The minor cadences of the White-throated Sparrow, the silver flute notes of the Field Sparrow, which sings in the twilight, and the dreamy melody of the Vesper Sparrow are all beautiful; but the Pinewoods Sparrow has a mystery in his song that is not of earth."

All nature lovers will be interested and stimulated by reading 'Wild Honey' and doubtless it will enlist others in the growing army which is developing a love for the wilderness and a desire to see large portions of it preserved for posterity.—W. S.

Hose's 'Field Book of a Jungle-Wallah.'—Here we have another popular work¹ on wild life of the old world tropics in which Dr. Hose tells of the animal and plant life of Borneo where he has spent so large a part of his life as naturalist, explorer, and member of the supreme council of Sarawak. His researches and discoveries are well known to the scientific world and when he discusses bird life he speaks with authority. In the present volume he presents some vivid pictures of the shores of Borneo, the Baram River, and the jungle, which form an interesting narrative replete with discussions of the native birds which most Americans know only as inhabitants of our Zoos.

The peculiar habits of the Hornbills are described at length. The male, as is generally known, walls up the female in the tree hollow in which she is incubating and feeds her through the small aperture which is left for her bill but he tells us also that after the young are nearly ready to leave the nest and the female has broken her way out, the hole is again walled up and the young fed by the parents in the same way as the male cared for the female during incubation. He also states that seeds dropped by the birds germinate in the ground below and that the natives can judge the age of the young in the nest by the size of the resulting plants. Attention is also called to the oil secreted from the oil sac of these birds and its apparent function in preserving the color of the neck feathers. May it

¹ The Field-Book of a Jungle-Wallah being a description of Shore, River & Forest Life in Sarawak. By Charles Hose, Hon. Sc. D. (Cantab.) etc.. With frontispiece in colour, and Black-and-white Plates. London. H. F. & G. Witherby, 326 High Holborn, W. C., pp. 1-216. Price 12 sh. 6. d. net.

not also function in the preservation of the immense bill as suggested in the case of smaller birds by J. Eugene Law (Condor 1929, p. 148)?

Dr. Hose's book is well gotten up and fully illustrated in halftone with a colored frontispiece of the Bald-headed Shrike (*Pityriasis*).—W. S.

Lowe's List of Birds Exhibited in the London Zoo.—Nine editions of the list of vertebrates exhibited in the famous Garden of the Zoological Society of London have been published from 1862 to 1896, and we now have before us the tenth or centenary edition,¹ covering as it does the period of one hundred years since the founding of the Garden, 1828-1927. The second volume of the work is devoted to the birds and lists no less than 2330 species with numerous additional subspecies.

This volume is far more than the list that its title would imply. Under each species is a reference to the place of publication, the present day scientific name, some important synonyms and one or more vernacular names; also a brief statement of its range and references to publish figures. The importance and utility of such a work cannot be overestimated. Every keeper of a Zoo or curator of a museum will appreciate what it means to have before him at a glance the proper names both Latin and English of the great majority of the birds with which he has to deal and the time saved from library research is very great.

Dr. G. Carmichael Low, to whom we are indebted for the preparation of the bird volume, deserves the thanks of all ornithologists and curators for the great amount of painstaking work that he has expended in the compilation.—W. S.

Recent Papers on Birds of Paradise.—When Linnaeus named the first Bird of Paradise, and for many years thereafter, the civilized world knew nothing of these wonderful creatures except for the native-made skins which always lacked feet and caused the father of binomial nomenclature to give to his bird the name *apoda*.

Until quite recently our knowledge, while greatly increased, so far as the discovery of new forms was concerned, was still meagre as to personal experiences with these remarkable birds in their rugged and inhospitable island of New Guinea. No Americans I believe had penetrated to their haunts and a living Bird of Paradise in any American Zoo was indeed a *rara avis*. Last year however, the New York Zoological Society sent Mr. Lee S. Crandall, its Curator of Birds, to New Guinea, accompanied by Mr. J. E. Ward, of Sydney, Australia, with the result that no less than forty-two Birds of Paradise of eleven species were brought safely back to New York, where most of them are exhibited, while some were secured by the Zoological Gardens of Philadelphia and Washington. Mr. Crandall

¹ List of the Vertebrated Animals Exhibited in the Gardens of the Zoological Society of London, 1828-1927. Centenary Edition in three Volumes. Volume II. Birds. By G. Carmichael Low, M.A., M.D., F. R. C. P., F. Z. S. Printed for the Society, and sold at its house in Regents' Park, London, N. W. 1929, pp. i-viii+1-832. Price 25 sh.