

of the Birds of Australasia,' which is to be "a set of hand-coloured plates of the birds of Australasia, drawn by Mr. J. G. Keulemans." The 'Handlist' is founded upon Dr. Sharpe's 'Handlist of Birds,' and is put forth "to invoke criticism and coöperation of ornithologists, in order to enhance the value of the larger undertaking." The 'Handlist' will, however, be in itself a great convenience. It follows the arrangement and nomenclature of Sharpe's well-known 'Handlist,' and comprises 883 species, arranged in 345 genera.—J. A. A.

**Marshall on the Anatomy of *Geococcyx*, *Bubo*, and *Aeronautes*.**<sup>1</sup>—Miss Marshall here follows her former paper on the anatomy of *Phalacroptilus* (see Auk, XXIII, 1906, p. 237) by a paper descriptive of the alimentary tract, the central nervous system, the nostrils and eye, the urogenital system, and the muscles of the fore limb, in *Geococcyx*, *Bubo*, and *Aeronautes*, and the pterylosis of *Geococcyx*, with illustrations.

The comparisons are limited mainly to the five genera here named. There appear to be no references to the previous literature of the subject, beyond a short list of titles, with the vaguest references to place of publication possible, as 'Ibis,' 'Auk,' 'Proc. Zool. Soc. London,' etc. (see *antea*, p. 92). As a contribution, however, to descriptive anatomy the paper has value, as it is very fully illustrated.—J. A. A.

**Shufeldt on the Osteology of *Sarcops*.**<sup>2</sup>—The skeleton of *Sarcops calvus* is here described and figured, and compared with that of several other genera, as *Oriolus*, various genera of Icteridæ, Corvidæ, etc., without, however, reaching a definite conclusion as to its nearest relationships.—J. A. A.

**McAtee's 'Food Habits of the Grosbeaks.'**<sup>3</sup>—The Grosbeaks here considered are the Cardinal, Gray (*Pyrrhula sinuata*), Rose-breasted, Black-headed, and Blue Grosbeaks. Each is illustrated in colors, from drawings by Fuertes, and numerous text figures illustrate their food, vegetable as well as insect. The account of the food habits of these five species is detailed and comprehensive, and is based on the careful study of the stomach contents of a large number of individuals. These birds attack crops to a slight extent, some of the species preferring fruit, others grain, but all are

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<sup>1</sup> Studies on Avian Anatomy.—II. *Geococcyx*, *Bubo* and *Aeronautes*. Margaret E. Marshall, M. A. Contributions from the Zoological Laboratory of The University of Texas, No. 73. Trans. Texas Acad. of Science, Vol. IX, 1906, pp. 19–40, pll. i–vii.

<sup>2</sup> Osteological and other notes on *Sarcops calvus* of the Philippines. By R. W. Shufeldt. Philippine Journ. Sci., Vol. II, No. 5, Oct. 1907, pp. 257–267, with 1 plate.

<sup>3</sup> Food Habits of the Grosbeaks. By W. L. McAtee, Assistant Biological Survey. Bureau of Biological Survey, Bulletin No. 32. Washington, Government Printing Office, 1908. 8vo, pp. 92, 4 pll. (3 colored), and 40 text fig.