

from paintings by E. J. Detmold and are very pleasing in their delicacy although most of them are hardly to be considered seriously as portraits of live birds.—W. S.

**'Aves' in the Zoological Record for 1917.**<sup>1</sup>—Since 1914 the Royal Society of London has been unable to continue the publication of the 'International Catalogue of Scientific Literature' but the Zoological Society has continued to publish the 'Zoological Record' and has recently issued the volume for 1917 which would have been Vol. N, Zoology of the 'International Catalogue.' The titles on Birds have been arranged by Mr. W. L. Sclater, who for several years has edited this subject with commendable devotion and skill. The titles number 707 as compared with 942 for 1916, the falling off of course being due to the war and its many distractions. Nevertheless, under the circumstances the number of papers is remarkable and is nearly 50 per cent. greater than those on all other vertebrates combined, nearly half as many as those relating to insects, and more than those in any group of invertebrates except insects.

As usual the papers are arranged under three main headings, 'Titles', 'Subject Index' and 'Systematic'. In the 'Subject Index' the titles are distributed under seven principal divisions: 'General', 'Structure', 'Physiology', 'Embryology', 'Ethology', 'Variation', and 'Geography'. As might naturally be expected the greater part of the publications are either faunal or systematic. The new generic and subgeneric names number 25, of which twelve were proposed by Mathews, five by Oberholser, two by Todd, and one each by Chapman, Chubb, Kuroda, Murphy, Richmond and A. Roberts, but very few of them affect North America birds. The 'Record' is indispensable to students who wish to keep in touch with current ornithological literature of the world and those who do not have access to the full volume should secure from the publishers a separate of the part relating to 'Aves.'—T. S. P.

**Stresemann's 'Avifauna Macedonica'.**—A collection of upwards of 3000 skins of birds representing 168 species was made in Macedonia by Dr. F. Doflein and Prof. L. Muller in 1917 and 1918 and deposited in the Zoological Museum at Munich. This collection forms the basis of the present exhaustive report<sup>2</sup> on the birds of that country by Dr. E. Stresemann.

Under each species there is a complete list of specimens, usually a large series, followed by paragraphs on the sequence of plumages, molts,

<sup>1</sup> Zoological Record, Vol. LIV, 1917, Aves. By W. L. Sclater, M.A., pp. 1-62, December, 1919. Printed for the Zoological Society of London; sold at their House in Regents' Park, London N.W., 8. Price, six shillings.

<sup>2</sup> Avifauna Macedonica. Die ornithologischen Ergebnisse der Forschungsergebnisse, unternommen nach Mazedonien durch Prof. Doflein und Prof. L. Muller-Mainz in den Jahren 1917 und 1918, von Dr. Erwin-Stresemann. Mit 6 Tafeln, München 1920 (July). Verlag von Dultz & Co. 8vo., pp. I-XXXIV, 1-270. [In German.]