

Who's Who, 1899? Edited by DOUGLAS SLADEN. London, Adam and Charles Black; New York, The Macmillan Company. 1899. Pp. xx + 1014. \$1.75.

Laboratory Manual in Astronomy. MARY E. BYRD. Boston, Ginn & Co. 1899. Pp. ix + 273.

Experimental Morphology. Part II. Effect of Chemical and Physical Agents on Growth. CHARLES BENEDICT DAVENPORT. New York and London, The Macmillan Company. 1899. Pp. xviii + 508.

SCIENTIFIC JOURNALS AND ARTICLES.

American Chemical Journal, February: 'On the Constitution of the Salts of Imido-Ethers and other Carbimide Derivatives,' by Julius Stieglitz. 'On the Hydrochlorides of Carbo-phenylimid Derivatives,' by H. N. McCoy. 'On the Solubility of Argentic Bromide and Chloride in Solutions of Sodid Thiosulphate,' by T. W. Richards and H. B. Faber. From a study of the solubility and effect upon the freezing points of solutions caused by these salts certain conclusions have been drawn as to the probable nature of the substances present in solution. 'Note on the Spectra of Hydrogen,' by T. W. Richards. The author considers the presence of the red spectrum to be due to a breaking-down of water vapor forming atomic hydrogen, which gives the red spectrum. If the gas is perfectly dry the white spectrum alone is obtained.

J. E. GILPIN.

THE first number of *Bird Lore*, edited by Mr. F. M. Chapman, and devoted to popular ornithology, has just appeared. As the official organ of the Audubon Society, and in appealing to young readers as well as old, *Bird Lore* essays to cover a new field. The frontispiece is a view of John Burroughs at 'Slab Sides,' and the first article, 'In Warbler Time,' is from his pen. There are two articles illustrated by photographs from life, by Dr. T. S. Roberts and H. W. Menke; Miss Isabel Eaton has a department for teachers and students, and Miss Florence A. Merriam one for young observers; Notes, Reviews and Editorials follow; while the Audubon Department, edited by Mrs. Mabel Osgood Wright, concludes the number.

WE have received the first number of *The School World*, published in Great Britain, by Messrs. Macmillan & Co., and addressed especially to

teachers in the secondary schools. The first number presents an interesting table of contents including articles on 'The Teaching of Algebra,' by Professor G. B. Mathews, F.R.S.; 'Physical Observations of Brain Conditions of Boys and Girls in Schools,' by Dr. Francis Warner; 'Bimanual Training in Schools,' by Mr. H. Bloomfield Barry; 'Elementary Experimental Science,' by Professor R. A. Gregory and Mr. A. T. Simmons; and 'Current Geographical Topics,' by Dr. A. J. Herbertson.

THE Annual Report of the Director of the Field Columbian Museum for 1897-98 notes good progress, particularly in the Departments of Anthropology, Geology and Botany. Two of Mr. Akeley's fine groups have been added to the exhibition series, one of the Oryx and one of Waller's Gazelle, the latter very striking from the pose of the principal figure and from the extreme length of neck and limbs obtained by these animals. One of the plates in the report shows the large model of the moon recently noticed in *SCIENCE*. The Director notes that special attention has been given to what he aptly terms the 'highly important but uninteresting and endless labor' of cataloguing, inventorying and labelling

SOCIETIES AND ACADEMIES.

THE BIOLOGICAL SOCIETY OF WASHINGTON.

THE 300th regular meeting of the Biological Society of Washington was held January 14, 1899, President Frederick V. Coville in the chair. Brief notes were presented by the following members: Ashmead, Bailey, Pollard, Erwin F. Smith, Chesnut and Cook. Mr. Ashmead exhibited specimens of a very rare South American wasp (*Chirodamus*), the type of which was secured by Charles Darwin during the voyage of the 'Beagle.' The new specimens were secured by the U. S. Fish Commission and belong to the National Museum.

Mr. Vernon Bailey described a case of protective coloration in *Ochotona*, a coney native to the mountains of California. One of the broken pieces of the rocks among which the animals live was shown in comparison with a stuffed specimen. Mr. Chesnut submitted photographs and fruits of the California Laurel