

the cross-section of the pupa of a bee (p. 199) and the expert will certainly not regard an illustration of this kind as a triumph of the art of photomicrography. Nevertheless many of the figures, particularly those in the chapter on birds, are of an unusually high order. Although the book cannot be described as a well-balanced zoology, and is open to serious objections as a laboratory guide, its clear and truthful presentation of many elementary facts will certainly gain for it a wide circulation.

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SCIENTIFIC JOURNALS AND ARTICLES.

WE note a little tardily *The Plant World* for March which contains articles on 'American Botanical Gardens,' by John W. Harshberger, a sketch of Lewis David von Schweinitz, by C. L. Shear and John Stuart Mill and 'Botanical Study,' by E. J. Hill. In the supplement Charles L. Pollard continues the description of the families of the Order Ericales.

The Osprey for April has a paper on 'The Feeding Habits of the Coot and Other Water Birds,' by Barton W. Evermann, and one on the 'Birds of the Marianne Islands and their Vernacular Names,' by W. E. Safford. The supplement, devoted to the General History of Birds, discusses the question of molt.

The Museums Journal of Great Britain for April has a flattering article on 'The Museums of Chicago,' by F. A. Bather, being a review of Dr. Meyer's memoir. But it is to be feared that we are not so well up in the matter of museum methods and general appreciation of museums as Mr. Bather thinks: it is one of the numerous cases of distance, etc. William E. Hoyle notes 'Some Useful Applications of Card Catalogues' and we have the usual number of interesting notes which do credit to Mr. Howarth's industry as an editor.

THE publication of the *Biological Bulletin* will be resumed in June, when the first and second parts of Volume III. will be issued. It will be published as heretofore, under the auspices of the Marine Biological Laboratory, and its scope will include zoology, general biology, and physiology. The editorial staff con-

sists of Professors E. G. Conklin, Jacques Loeb, T. H. Morgan, W. M. Wheeler C. O. Whitman, E. B. Wilson and Frank R. Lillie, managing editor. In regard to the *Bulletin* Professor Lillie says: "There is in America no journal that takes the place of the *Biologisches Centralblatt* or the *Anatomischer Anzeiger* in Germany, although there is abundance of material to support such a publication. It is hoped that the *Bulletin* may occupy this field, and meet the need for rapid publication of results; the editors, therefore, undertake to issue one number each month, making two volumes a year, if the material offered is sufficient. The subscription price of the *Bulletin* has been fixed at three dollars for a volume of 300 pages; the low price makes it necessary to limit the length of the articles, and to exclude all lithographic plates. In no case will articles of more than twenty-five pages be included in any single number; but, in some cases, longer articles may be accepted, and published in installments. The cost of illustrations above \$10 for any single article will be charged to the author, as will also be the cost of unusual alterations in the proof. The *Bulletin* will undoubtedly meet a real need; but the responsibility for its success rests with American biologists, and the editors therefore confidently appeal to them for their support. This can be most practically given in the two forms of subscriptions and contributions to its pages." All communications, subscriptions, and manuscripts should be sent to the managing editor, the University of Chicago, September 15 to June 15, or Wood's Holl, Mass., June 15 to September 15.

The Journal of Mycology, of which seven volumes were published from 1885 to 1894, is now resumed by Dr. W. A. Kellerman, Ohio State University, Columbus, Ohio, at the former price, namely, one dollar per year. It will be issued quarterly, the May number being the first for 1902 (Vol. 8); but the second number will appear early in June.

SOCIETIES AND ACADEMIES.

AMERICAN PHYSICAL SOCIETY.

THE April meeting of the Physical Society was held at Columbia University on April 21,