

which are essentially Magellanic, and all three of the littoral species are related to the Magellanic fauna. The examination of the anatomy of the various forms preserved afforded opportunity for morphological notes of interest, especially those bearing on the relations of *Modiolarca*, *Philobrya*, etc. The cephalopods were represented only by beaks of cuttlefish found in the stomachs of seals and penguins more or less demoralized by digestive fluids and incapable of identification.

These brief indications will show how much this series of memoirs is likely to add to our knowledge of the Antarctic regions, and how much science is indebted to the intrepidity of the explorers and observers on board the *Belgica*.

W. H. DALL.

SCIENTIFIC JOURNALS AND ARTICLES.

WITH the March issue the *Bulletin of the Michigan Ornithological Club* (quarterly) enters upon its fifth volume. The issue opens with the account of 'The Discovery of the Breeding Area of Kirtland's Warbler,' by Norman A. Wood, which is practically a full life history of this race species with an account of its breeding habits. The article is illustrated by a frontispiece showing the male and female beside a nest; a photo of the egg and other views showing the nesting situation and nature of the country (Oscoda County, Mich.). Chas. C. Adams follows with an article on the 'Migration Route of Kirtland's Warbler,' which is illustrated by three maps. Under the head of Michigan Ornithologists is given a full-page plate of A. H. Griffith, director of the Detroit Museum of Art. Professor Walter B. Barrows, of the Michigan Agricultural College, announces 'A Forthcoming Bulletin on Michigan Birds' to be published by the agricultural college, and requests information from students in the state. Space is given to the Michigan Audubon Society which was organized February 27, 1904, as an auxiliary to the Michigan Ornithological Club, for the protection of birds in the state.

SOCIETIES AND ACADEMIES.

EXPERIMENTAL PSYCHOLOGY.

A MEETING of experimental psychologists was held at Cornell University, April 4 and 5.

The session of Monday morning was opened by Professor L. Witmer with a paper on the 'Laboratory Investigation of Backward Children.' This was followed by a discussion of various phases of the reaction experiment, in the course of which the following papers were read: Professor C. H. Judd, 'Analysis of Movements made in Simple and Complex Reactions'; Dr. G. M. Whipple, 'The Simple Reaction as a Test of Mental Ability'; Professor C. E. Seashore (read in absence), 'The Psychological Term 'Observer.''' Professor Witmer also spoke on 'Shortest Reaction Values,' and upon the 'Difference between Sensory and Muscular Reactions.' At the afternoon session, Professor Judd read a paper on 'Eye Movements studied by Photography, with Special Reference to the Müller-Lyer, Pogendorff and Zöllner Figures'; Mr. H. C. Stevens outlined a 'Study of Attention by the Method of Expression'; and Dr. J. W. Baird spoke upon recent investigations in perimetry.

The session of Tuesday morning was opened by Professor E. C. Sanford, with a report of Dr. Kuhlmann's experiments upon idiots. Mr. C. E. Ferree emphasized the importance of adaptation in fluctuations of the visual attention, and Professor W. B. Pillsbury discussed the 'Influence of Closing Eyes upon Attention Waves.' At the afternoon session Professor Pillsbury read a paper on 'An Apparatus for Investigating Torsion during Eye Movement, with some Results'; Professor Judd spoke upon the 'Imitation of Tones, With and Without Distraction'; Professor Sanford demonstrated a novel form of color mixer, and Mr. G. H. Sabine a 'Speed Regulator for the von Frey Limen Gauge.' The remainder of the afternoon was devoted to a business meeting, and to an inspection of the psychological laboratory. At an evening session, held in the psycho-educational laboratory, Dr. Whipple spoke upon 'Some Difficulties in the Use of the A-Test,' and demonstrated an apparatus for determining the relative legibility of the small letters.

The following papers were read by title: Dr. J. W. Baird, 'Convergence and Accommodation in the Perception of Depth'; Miss M. Castro (paper introduced by Professor J. R.