

SCIENTIFIC JOURNALS AND ARTICLES.

The *Museums Journal* of Great Britain for September contains the following articles: 'On a Collection to Illustrate the Origin and Structure of Rocks,' by H. C. Sorby; 'A Method of Exhibiting Coins,' by F. R. Rowley; 'Notes on Models of Protozoa,' by F. R. Rowley; 'On the Hanging and Care of Pictures,' by Richard Quick; and 'A Method of Preserving Tortoises,' by J. E. Duerden. The reports of a number of museums are noted, giving a good idea of the general activity in museum work in England, as well as showing how much is being done there to make museums at once interesting and instructive to the general public. It is stated that it is the intention to make the Tolcross branch of the Glasgow Museum a museum for children.

The following extract from the report of the Stockport Museum deserves a wide circulation: "Many people do not realize that the true foundation of a municipal museum is educational, seeming to regard it as a receptacle for their useless old lumber and rubbish."

The *Report of the Manchester Museum*, Owens College, for 1905-1906, shows a welcome improvement in its finances, due to an extra appropriation by the university, which already furnishes the major part of the \$14,000 (in round numbers) devoted to its support. Dr. Hoyle's address, 'The Education of a Curator,' is reprinted as one of the museum publications and should be widely read. There are still people who inquire if a curator needs any special training and apply for a position as curator of anything.

The *Report of the Curator* of the museum of the University of Michigan shows progress in rearranging and caring for the collections, and gives an outline of the summer's work in the ecological survey of Isle Royale. Under the direction of Mr. C. C. Adams the museum work seems to have been carried on in the best possible manner for a university museum, but it is doubtful if Mr. Adams's remarks as to the benefits of explorations can be applied indiscriminately to all museums. Mr. Adams has just accepted a position in the Museum of the Cincinnati Society of Natural

History where his energy and experience in museum work will be of great service.

SOCIETIES AND ACADEMIES.

THE AMERICAN PHILOSOPHICAL SOCIETY.

The program for the stated meeting, October 19, 1906, was as follows:

T. J. J. SEE, PH.D.: 'The Cause of Earthquakes, Mountain Formation and Kindred Phenomena connected with the Physics of the Earth.'

ERIC DOOLITTLE: 'Problems of Double Star Astronomy.' (With lantern illustrations.)

GEO. M. ROMMEL, B.S.A., AND E. F. PHILLIPS, PH.D.: 'Inheritance in the Female Line of Size of Litter in Poland China Sows.'

THE SOCIETY FOR THE PROMOTION OF AGRICULTURAL SCIENCE.

The program for the meeting which will be held at Baton Rouge, La., on November 13, is as follows:

9:30 A.M. Meeting of officers and executive committee.

10:30 A.M. Public meeting. (1) 'Importance of Nitrogen as Plant Food,' Professor T. F. Hunt, Cornell University; (2) 'Teaching Agriculture in Public Schools,' Professor S. M. Tracy, Biloxi, Miss.; (3) 'The Growing Importance of Plant Physiology in Agricultural Education,' Dr. Chas. E. Bessey, University of Nebraska; (4) 'The Growing of Alfalfa East of the Mississippi,' Dr. J. E. Beal, Michigan Agricultural College; (5) 'The Problem of Reforesting New England,' Professor F. Wm. Rane, State Forester, Mass.

2:00 P.M. Symposium: Experimental Work. (a) 'What is Research?' Professor Thos. F. Hunt, Cornell University; (b) 'Tendencies in Station Work as Influenced by the Conception of Scientific Investigation,' Dr. H. J. Wheeler, Rhode Island College; (c) 'Scientific Methods in Research,' Dean H. J. Waters, University of Missouri; (d) 'The Experiment Stations and the Adams Act,' Dr. C. D. Woods, University of Maine. (e) General discussion.

8:00 P.M. Evening meeting. President's Annual Address. Subject: 'The Promotion of Agricultural Science,' Dr. Henry Prentiss Armsby, State College, Pa.

DISCUSSION AND CORRESPONDENCE.

THE SMITHSONIAN INSTITUTION AND RESEARCH.

So much has been said about the advantages of herding scientific workers that a small voice