

enzymes, agricultural chemistry, food and nutrition of farm animals, dairy chemistry, general microbiology, vegetable physiology, phytopathology, pharmaceutical and medicinal chemistry, nutrition and vitamins, and the chemistry of sanitation with special reference to sewage and to water. The journal is edited for the Society by a committee and the names of the reviewers are appended at the end of each section. Upwards of three hundred papers are referred to, indicating the vitality of research into biochemical problems in India. Although many of the results obtained are chiefly applicable to conditions in that country, much of the work is of a wider interest and must be taken into consideration by workers on similar problems in other parts of the world. This journal forms a ready means of keeping in touch with biochemical research in India.

#### Birds of Hawaii

A REPORT that Hui Manu, the bird society of the Honolulu and Sandwich Islands, has decided to undertake a scheme for breeding and distributing many of the vanishing birds of the Hawaiian archipelago, is of interest, for these Pacific islands are perhaps the most isolated of all oceanic groups. Rothschild ("Avifauna of Hawaii and nearby Islands", 1893-1900) records 47 species from Hawaii, 34 of which breed, and from the neighbouring islands, Laysan 40, Kawai and Nishan 41, Oahu 28, Molokai 21, Maui 26 and Lanai 18. The introduction of many birds foreign to the islands, and particularly the European house-sparrow (*Passer domesticus*) now one of the commonest birds of the islands, has seriously affected the native avifauna, while Wetmore (*Nat. Geog. Mag.*, 18, 77; 1925), in a survey of the bird-life of the group, recorded considerable damage from the introduction of rats and rabbits. It was in 1909, through the interest of President Roosevelt, that the Hawaiian Bird Reservation was set up under the control of the United States Department of Agriculture. Amongst the fifty odd species recorded in the group, Heilprin states all the passerines and five of the aquatic and wading birds are peculiar.

#### North East Coast Institution of Engineers and Shipbuilders

At a meeting of the Council of the North East Coast Institution of Engineers and Shipbuilders held on February 12, Mr. Summers Hunter, formerly chairman of the North-Eastern Marine Engineering Co., Ltd., presented the warrant of the College of Arms granting armorial bearings to the Institution. Mr. Summers Hunter has been connected with the Institution for nearly fifty years as a president, and also an honorary fellow. He is also a past president of the Institution and of the Institute of Marine Engineers. The arms of the bearings are an ancient ship with sails set, surmounted by a tower triple-towered between two wheels, symbolical of engineering. The crest is a sun encircled by a chain, representing the harnessing of the forces of Nature for the use of man. The motto is "By Science, Industry and Honour".

#### Announcements

THE first educational tour of the Institute of Metals will be made to Belgium on April 8-14, when student members will have an opportunity of visiting six large metallurgical establishments and of seeing something of Brussels (including its University) and Bruges. The cost per head will be £6 10s. Students desirous of participating should communicate before March 12 with the Secretary, Mr. G. Shaw Scott, 36 Victoria Street, London, S.W.1.

At the annual general meeting of the Quekett Microscopical Club held on February 13, the following officers were elected for 1934-35: *President*, J. Milton Offord; *Vice-Presidents*, C. D. Soar, J. Ramsbottom, E. A. Robins and J. T. Holder; *Hon. Treasurer*, C. H. Bestow; *Hon. Secretary*, W. S. Warton; *Hon. Reporter*, A. Morley Jones; *Hon. Librarian*, C. H. Caffyn; *Hon. Curator*, C. J. Sidwell; *Hon. Editor*, W. P. Sollis; *New Members of the Committee*, Percy C. Palmer, C. Harvey, E. J. Stream, A. W. Sheppard.

WE much regret that the name of the author of the article entitled "Reference Chart for the Apparent Motions of the Sun, Moon and Planets" in *NATURE* of January 6, p. 33, was spelt incorrectly. The author's name should have been printed "Dr. B. K. Vaidya".

THE encyclopædic "Handbuch der biologischen Arbeitsmethoden" edited by Prof. Abderhalden includes, among its most recent parts, one written by Dr. F. Zacher. This instalment deals with the behaviour and development of insects affecting stored products. It can be recommended as an up-to-date work of reference written by a leading European authority on the subject.

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:—A chief librarian for the County Borough of Southport—The Town Clerk, Town Hall, Southport (Feb. 26). A principal assistant (technical) in the Chief Engineer's Department of the London County Council—The Clerk of the Council, The County Hall, Westminster Bridge, London, S.E. (March 2). A City engineer and surveyor to the City of Bradford—The Town Clerk, Town Clerk's Office, Bradford (March 10). An assistant keeper on the higher technical staff of the Science Division of the Science Museum—The Director, Science Museum, South Kensington, London, S.W.7 (March 10). A vice-principal and head of the Mathematics Department at the Leeds College of Technology—The Director of Education, Education Offices, Leeds (March 10). A mechanical engineer as assistant to the chief engineer of the Dublin Port and Docks Board—The Secretary, Port and Docks Office, Dublin (March 14). Two lecturers to share the teaching of mathematics, physics, biology, chemistry and geography at the Cambridge Training College for Women—The Principal (March 14). A chief engineer at the British Drug Houses, Ltd., Graham Street, London, N.1—The Managing Director.