

Edwin C. Kent, and the following heads from Mr. H. Casimir de Rham: Karelin sheep, Turkestan sheep, Astor markhor, two Himalayan ibex, Quchim buffalo, Newfoundland caribou, musk ox and sable antelope.

*Library.*—The administration building will also contain the library, which now numbers 1,378 volumes. A fund of \$2,000 was provided by two of the friends of the society for this purpose.

*Gifts.*—Among the most notable gifts have been a remarkable series of arctic animals from Mr. Paul J. Rainey, as follows: Six musk ox, two walrus, two polar bears, one blue fox.

*Pheasant Expedition.*—The New York Zoological Society expedition for pheasants is now in Siam, and is expected to return to New York some time during the summer of 1911. The expedition has been successful in securing specimens, living and dead, of nearly all the pheasants in the districts visited.

*Aquarium.*—The New York Aquarium has, in its present building, nearly reached the limit of its capacity both for its collections and for visitors. The enormous attendance makes it necessary to provide a larger and more modern building, and several studies of plans for this purpose have been made. The city will be asked to provide the necessary funds for the new aquarium.

#### SCIENTIFIC NOTES AND NEWS

SIR FRANCIS GALTON, eminent for his contributions to geography, meteorology, biology, anthropology and psychology, died on January 18, at the age of eighty-eight years.

At the annual meeting of the trustees of the Carnegie Institution of Washington, Dr. Simon Flexner, of the Rockefeller Institute of Medical Research, Mr. Robert S. Brookings, of St. Louis, and Dr. Henry Pickering Walcott, of Boston, were elected to membership in the board.

SIR JOHN MURRAY will give a memorial address on "The Life and Scientific Works of Alexander Agassiz," at Sanders Theater, Har-

vard University, on Tuesday evening, February 14.

THE next Faraday lecture of the Chemical Society of London is to be given on June 14 by Professor Theodore W. Richards, of Harvard University, in Faraday's lecture-room at the Royal Institution on Albemarle Street, London.

DR. JACQUES LOEB, of the Rockefeller Institute for Medical Research, has been elected an associate of the Royal Academy of Science at Belgium, in the section of natural science; and also an honorary foreign member of the Academy of Medicine of Belgium.

DR. ALĚS HRDLÍČKA has been made a corresponding member of the Academy of Sciences, Prague.

SIR DAVID GILL has been elected a foreign member of the Swedish Royal Academy of Sciences, Stockholm.

M. EDOUARD BRANLY has been elected a member of the Paris Academy of Sciences in the section of chemistry. He received thirty votes, twenty-eight votes being cast for Madame Curie.

DR. DAVID FERRIER, F.R.S., emeritus professor of neuropathology in King's College, London, has been knighted.

PROFESSOR M. E. COOLEY, dean of the department of engineering of the University of Michigan, was given the degree of doctor of engineering by the University of Nebraska on January 18.

THE Geological Society of London will this year award its medals and funds as follows: The Wollaston Medal to Professor Waldemar C. Brögger, Sc.D.; the Murchison Medal to Mr. Richard H. Tiddeman, M.A.; the Lyell Medal to Dr. Francis A. Bather, M.A., and Dr. Arthur W. Rowe; the Bigsby Medal to Dr. O. Abel; the Wollaston Fund to Professor O. T. Jones, M.A.; the Murchison Fund to Mr. Edgar S. Cobbold; the Lyell Fund to Professor Charles G. Cullis, D.Sc., and Mr. John F. N. Green.

ADDITIONAL grants have been made to Professor T. W. Richards and to Professor G. P. Baxter, of Harvard University, of \$2,500 and

\$1,000, respectively, as research associates of the Carnegie Institution of Washington.

DR. G. CARL HUBER, professor of histology and embryology in the department of medicine of the University of Michigan, has tendered his resignation as secretary. Dr. Huber has been made head of the new department of embryology at the Wistar Institute of Anatomy, Philadelphia, and will spend part of his time there. An arrangement has been effected for the next two years. By long service Dr. Huber has earned a year's leave of absence, which the regents have consented to allow in two periods of six months each. During the next semester Dr. Huber will be at the Wistar Institute, and he will return to the University of Michigan for the first semester of next year. Dr. C. W. Edmunds, professor of therapeutics and materia medica, has been elected secretary of the department.

PROFESSOR R. A. HARPER, head of the department of botany at the University of Wisconsin, has left for the University of California, where he will lecture during the remainder of the present academic year. Professor George J. Pierce, of Stanford University, will be acting professor of botany at the University of Wisconsin.

DR. ARTHUR W. WEYSSE, professor of biology at Boston University, has started on a trip around the world on sabbatical leave of absence. He will sail from San Francisco on February 8, for Hawaii and Japan, and will be away about eight months.

ON January 20 Professor Arthur Michael lectured before the members and research students at the department of chemistry at Clark University on his recent observations in connection with reversible organic chemistry. A result of the greatest importance is Professor Michael's discovery of an apparently new factor influencing the velocity of organic reactions.

DR. GEORGE T. MOORE, of the Shaw Botanical Gardens at St. Louis, gave a public lecture before the Society of Sigma Xi, of Cornell University, on January 17, on "Some Striking Advances in Botanical Science and the Application of these in Practical Affairs."

ON January 13 Professor A. E. Kennelly, of Harvard University, delivered a lecture before the Society of Sigma Xi at the University of Pennsylvania on "Wireless Telegraphy and Telephony as compared with Wire Telegraphy and Telephony."

A SPECIAL meeting of the Geological Conference was held at Harvard University on January 31, when Mr. Frank A. Perret, of Naples, Italy, spoke on "Volcanoes and Volcanic Action," with illustrations. Mr. Perret has spent the last six years in the study of volcanic problems, and has lived on Vesuvius, Etna and Stromboli during their recent eruptions.

AT a general meeting of the Association of Public School Science Masters held in London on January 11 and 12, the president, Sir Edwin Ray Lankester delivered an address on "Compulsory Science *versus* Compulsory Greek."

AT a meeting of the Royal Geographical Society on January 16 Dr. Johan Hjort gave a detailed account of the Michael Sars North Atlantic deep sea expedition of 1910, which he, with Professor H. H. Grau, Dr. Helland-Hansen, Mr. E. Koefoed, and Captain Thor Iversen, undertook at the suggestion and at the expense of Sir John Murray, who himself accompanied them.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE General Education Board has made conditional appropriations as follows: Brown University, \$100,000; Carleton College, \$100,000; Colorado College, \$50,000; Dakota Wesleyan University, \$50,000; Denison University, \$75,000; Fisk University, \$60,000; Mount Holyoke College, \$100,000; Randolph-Macon College, \$50,000; Swarthmore College, \$75,000; Wesleyan College for Women, \$50,000.

THE bill increasing the annual appropriation from the state of Vermont to Middlebury College by \$7,600 has been signed by Governor Mead. This will make the state appropriation to Middlebury \$16,000 a year, beginning on July 1. The increase is "to provide additional instruction in the departments