

in the general development of the park, and in the erection of a monkey house and lion house. The latter building will be open to the public in September next. During the past year a medical staff has been established in order to secure scientific treatment of the animals and to study the causes and prevention of diseases. This consists of Dr. Frank H. Miller, a veterinarian of European training; Dr. Howard Brooks, a well-known pathologist, and a laboratory assistant. A number of interesting facts have already been secured by this staff which will be reported later in SCIENCE. The Society has applied to the Board of Estimate and Apportionment for an additional sum of \$500,000, to be expended in the development of the physical features of the park, in forestry, and also in the construction of additional buildings, especially the antelope house, ostrich house and a larger bird house.

As we have already announced, the seventy-second annual meeting of the British Association for the Advancement of Science will be held at Belfast, beginning on September 10. Professor James Dewar is the president-elect, and the presidents of the sections are as follows: Mathematical and Physical Science, Professor John Purser; Chemistry, Professor Edward Divers; Geology, Lieutenant-General C. A. McMahon; Zoology, Professor G. B. Howes; Geography, Col. Sir T. H. Holdich; Economic Science and Statistics, Mr. E. Cannan; Engineering, Professor John Perry; Anthropology, Professor A. C. Haddon; Physiology, Professor W. D. Halliburton; Botany, Professor J. Reynolds Green; Educational Science, Professor Henry E. Armstrong. Professor Dewar's presidential address will be given on the evening of September 10; on September 11 there will be a soirée; on the evening of September 13 a discourse on 'Becquerel Rays and Radio-Activity' will be delivered by Professor J. J. Thomson; a lecture will be given to the operative classes on September 14 by Professor L. C. Miall; on Monday evening, September 16, a discourse on inheritance will be delivered by Professor W. F. R. Weldon, M.A., F.R.S.; on Tuesday evening there will be a soirée; on Wednesday,

September 18, the concluding general meeting will be held at 2:30 P.M.

LETTERS dated from Franz Josef Land, August 17, have been received at Copenhagen from members of the Baldwin-Ziegler Arctic expedition which left Tromsøe, Norway, on July 16, last year, on the steamers *America* and *Belgica*. The vessels arrived at Franz Josef Land, after trying experiences, with all on board well. The *America* intended to winter at Franz Josef Land, and then proceed northward until stopped by the ice, when the party on board of her was to start towards the North Pole. Mr. Baldwin hoped that the *America* would reach 83 degrees north.

At a meeting of the Royal Geographical Society, on February 24, Sir Clements Markham, president, described the progress of the British Antarctic expedition and laid special stress on the need of securing sufficient money for the relief ship which is to be sent out in June. Subscriptions for this purpose include: The Royal Society, £500; the Goldsmiths' Company, £200; Mr. L. W. Longstaff, £5,000; Miss Dawson-Lambton, £500; Miss E. Dawson-Lambton, £500; Mr. J. P. Thomasson, £500; Lady Constance Barne, £150; the Duke of Bedford, £100; Sir E. Cassel, £100; Mr. H. Leonard, £100; Dr. G. B. Longstaff, £100; Mr. Duncan Mackinnon, £100; the Duke of Northumberland, £100; and Mr. S. Vaughan Morgan, £75.

THE Royal Astronomical Society has received from Sir William Huggins a copy of the portrait of Galileo at Florence, and from Sir W. J. Herschel, a medallion in Wedgwood ware of Sir William Herschell.

THE council of the Royal Institute of British Architects has granted the sum of £50 to the Cretan Exploration Fund towards the completion of Mr. Arthur Evans's excavations at Knossos. Since the appeal issued in December the sum of £1,600 has been raised.

UNIVERSITY AND EDUCATIONAL NEWS.

PRESIDENT HARPER announced in his last quarterly statement that Mr. John D. Rockefeller gave on December 1, \$1,000,000 toward the general endowment fund of the University

of Chicago. Mr. Rockefeller has also given \$250,000 to be used for the general needs of the University during the present academic year.

By the will of Mrs. Lila Currier, \$50,000 will go to Columbia University and \$100,000 to Yale University upon the death of Mr. Edward W. Currier.

By the opinion just handed down by the Supreme Court of Pennsylvania affirming the opinion of the Orphans' Court of Philadelphia, which sustained the will of the late Joseph M. Bennett, the University of Pennsylvania acquires real estate declared to be worth more than \$500,000. The decedent left the property to the University 'to further aid and encourage the trustees in carrying out more practically and thoroughly the coeducation of women and girls.'

THE daily papers renew the reports that negotiations are under way for the amalgamation of the Armour Institute of Technology with the University of Chicago. The plan involves the removal of the Institute to the University campus, where the University will furnish buildings and equipment to the value of \$1,000,000, while the Armour interests will give \$1,500,000 in endowment. Subsequent gifts from the Armours and Mr. Rockefeller are expected to increase the capital of the technology school to \$5,000,000. The school will continue to be known as the Armour Institute of Technology, its policy will be maintained, and the heads of departments will remain practically the same.

COLUMBIA UNIVERSITY has received an anonymous gift of \$10,000 for two scholarships, and one thousand dollars for a course of biological lectures.

MR. WILLIAM JOHNSTON, a Liverpool ship-owner, has given £25,000 to the University of Liverpool, to promote research in pathology and physiology.

A CHAPTER of the scientific honor society Sigma Xi has been organized at the University of California with twenty members of the faculty as charter members.

THE registration at the University of Chicago for the autumn quarter was 2,431, as-

compared with 1,961 in 1900 and 1,682 in 1899. The number of students in the graduate schools was 435, of whom 197 were in the Ogden school of science. In the school of arts and literature the numbers of men and women were equal, in the school of science there were 170 men and 27 women.

THE new laboratory building of the department of horticulture of the Iowa State College was formally opened on Saturday evening, February 22.

CABLEGRAMS report that in the disturbances on February 22, at Moscow University, four hundred students, armed with bludgeons, iron bars and revolvers, wrecked the interior of the University buildings, barricaded themselves within, and hung out red flags from the windows. The police and troops forced an entrance into the interior and arrested the ring-leaders of the rioters. A decree of the minister of public instruction has been gazetted, ordering the expulsion from the University and high schools of all students arrested in connection with rioting.

PROFESSOR F. J. E. WOODBRIDGE, now head of the department of philosophy in the University of Minnesota, has been elected to the chair of philosophy at Columbia University vacant by the election of Dr. Nicholas Murray Butler to the presidency.

DR. GEORGE E. DE SCHWEINITZ, professor of ophthalmology in the Jefferson Medical College, has been elected to succeed the late Dr. Norris as professor of ophthalmology in the University of Pennsylvania.

DR. K. VON TUBEUF, chief of the biological division the German Department of Health, has been appointed professor of forestry in the University of Munich.

ERRATA.

THE following errors were overlooked in the proof of Professor Greenhill's paper (SCIENCE, XIV., p. 973, 1902): Eq. (1), for x read ψ ; p. 3, line 13, for δ read ϑ ; eq. (19), for k read κ ; eq. (28), for z^2 read z_z and for $E-2$ read $E-z$; eq. (32) *et seq.*, for μ and v read u ; eq. (40), for n read u .