

Meldola, Raphael, F.R.S., professor of chemistry in Finsbury Technical College (City and Guilds of London Institute).

Minot, Charles Sedgwick, professor of histology and human embryology, Harvard Medical School, Boston.

Mittag-Leffler, Gosta, professor of mathematics, University of Stockholm, Djursholm u. Stockholm, Rosenbad, 2.

Nathorst, Alfred Gabriel, Intendent Naturhistoriska Riksmuseum (plant-paleontological department), Stockholm (delegate, Royal Swedish Academy of Science, Stockholm).

Nijland, Albert Antonie, professor of astronomy, University of Utrecht (delegate, University of Utrecht).

Perkin, William Henry, F.R.S., professor of chemistry, Victoria University of Manchester.

Pope, William Jackson, F.R.S., professor of chemistry, University of Cambridge.

Prain, Lt.-Col. David, F.R.S., director, Royal Botanic Gardens, Kew (delegate, Linnean Society, London).

Prince, Edward E., F.R.S., Dominion Commissioner of Fisheries, Ottawa, Canada.

Reddingius, Rutger Adolf, professor of pathological anatomy, rector, University of Gröningen (delegate, University of Gröningen).

Royce, Josiah, professor of history of philosophy, Harvard University.

Saundby, Robert, professor of medicine, University of Birmingham (president-elect British Medical Association).

Schäfer, Edward Albert, F.R.S., professor of physiology, Edinburgh University.

Schuster, Arthur, F.R.S., formerly professor of physics, University of Manchester.

Teall, Jethro Justinian Harris, director H.M. Geological Survey, London.

Thomson, Sir Joseph John, F.R.S., professor of physics, Cambridge.

Veit, Johann, professor of gynecology, University of Halle (delegate, University of Halle-Wittenberg).

Voigt, Woldemar, professor of physics, University of Göttingen.

Watts, William Whitehead, F.R.S., professor of geology, Imperial College of Science and Technology, South Kensington (president and delegate, Geological Society of London).

Woodward, Arthur Smith, F.R.S., keeper geological department, British Museum.

#### SCIENTIFIC NOTES AND NEWS

WE regret to record the death of Dr. Thomas Dwight, Parkman professor of anatomy in the Harvard Medical School.

DR. DAVID STARR JORDAN, president of Stanford University, who is at present in Japan, has been decorated by the Japanese emperor.

DR. EDUARD SUESS, emeritus professor of geology in the University of Vienna, who has celebrated his eightieth birthday, has retired from the presidency of the Vienna Academy of Sciences.

DR. GOTTLIEB HABERLANDT, professor of botany in the University of Berlin, has been elected a member of the Berlin Academy of Sciences.

MR. WM. PAUL GERHARD, of New York, has been awarded the honorary degree of doctor of engineering by the Technical Institute of Darmstadt, in recognition of his services to public health and sanitation.

DR. SHIGÉO YAMANOUCHI, professor of botany in Tokyo Teachers' College (now in the University of Chicago), received in July from the Japanese government the honorary degree of "Rigakuhakushi" (doctor of science).

PROFESSOR GAETANO LANZA, head of the department of mechanical engineering at the Massachusetts Institute of Technology for the past twenty-seven years, has retired and is now with the Baldwin Locomotive Works.

DR. WILLIAM H. BROWN has resigned his position as research assistant in plant physiology at the Michigan Agricultural College to become plant physiologist of the Bureau of Science at Manila, P. I. He sailed from San Francisco for the latter point on September 6. Dr. R. P. Hibbard, of the Mississippi Agricultural Experiment Station, has been chosen as his successor.

DEAN MELVIN A. BRANNON, formerly of the College of Medicine at the University of North Dakota but now of the College of Liberal Arts at the same institution, will spend the year at the University of Chicago engaged in advanced research work in plant morphology with special reference to bryophytes and

pteridophytes. His work will have a particular bearing on certain problems in the study of plant life that are being worked out in North Dakota.

PROFESSOR HENRY E. CRAMPTON, of Columbia University and the American Museum of Natural History, is at present on leave of absence and is taking part in an expedition which has penetrated the interior of South America in search of zoological material.

DR. J. GEORGE ADAMI, professor of pathology in McGill University, has gone to Europe to attend the Tuberculosis Conference in Rome.

DR. P. G. SPINELLI, professor of gynecology in the University of Naples, is making a study of hospitals in the United States.

MESSRS. V. KOTCHETKOFF, of the department of agriculture, Moscow, and D. Roodzinski, director of the Selection Station of the Moscow Agricultural Institute, spent several days recently in a study of the work of the Bureau of Plant Industry and especially the work of the bureau farm at Arlington, Va., as an introduction to a six months' investigation of agricultural methods and conditions in the United States.

THE Harvey Society has secured the following distinguished lecturers for the coming season: Professor W. B. Cannon, of Harvard Medical School; Professor R. H. Chittenden, of Yale University; Dr. Simon Flexner, of the Rockefeller Institute; Professor H. S. Jennings, of Johns Hopkins University; Professor Albrecht Kossel, of Heidelberg University; Dr. H. F. Osborn, of the American Museum of Natural History; Dr. J. J. Putnam, of Harvard Medical School; Professor T. W. Richards, of Harvard University; Professor W. T. Sedgwick, of the Massachusetts Institute of Technology; Dr. W. S. Thayer, of the Johns Hopkins Medical School, and Professor Verworn. The following lectures will be delivered during the month of October: "Local Specific Therapy of Infections," by Dr. Simon Flexner, on the 7th; "The Chemical Structure of the Cell," by Professor Albrecht Kos-

sel, on the 14th; "Anesthesia," by Professor Verworn, on the 28th.

MR. J. R. MORTIMER, of Driffield, England, known for his work in prehistoric archeology, died on August 20, in his eighty-seventh year.

DR. G. F. BLANDFORD, formerly lecturer on psychological medicine at St. George's Hospital, London, and known for his work on insanity, has died at the age of eighty-two years.

DR. EMANUEL VON HIBLER, professor of pathological anatomy in the University of Innsbruck, has died from sepsis contracted in the *post-mortem* room.

DR. GEORGES DIEULAFOY, formerly professor of clinical medicine at the University of Paris, has died at the age of sixty-two years.

THE death is also announced of Professor Swarts, of the University of Gent, known for his contributions to chemistry.

DR. FRANZ CZERMAK has bequeathed a million crowns to the Vienna Academy of Sciences without restriction as to its use.

A SETTLEMENT has been arrived at in regard to the question of the South Kensington site by the terms of which the Natural History Museum retains all the land allotted to it in 1899, and the boundary then agreed upon is not to be disturbed. The Science Museum will be proceeded with on the land to the north of the boundary of the Natural History Museum.

*Nature* reports that at the National Congress of Applied Chemistry, which is to be held at Turin from September 23 to 28, a general discussion will take place on the fiscal and customs practise in regard to the industrial use of alcohol, and Professor Miolati will give an experimental demonstration of the use of atmospheric nitrogen for industrial purposes.

It is stated in the *British Medical Journal* that the third Congress of the International Surgical Society will be held at Brussels at the end of the month. The members will be received on Monday evening, September 25,

by Dr. Lorthioir, president of the Belgian Surgical Society. The congress and the exhibition of fractures and surgical appliances will be opened at 9.30 on Tuesday morning, and immediately afterwards a discussion on pancreatitis will be opened by M. Michel. The afternoon session will be devoted to the discussion of the treatment of that disease, opened by MM. Körte and Giordano. In the evening the president of the International Society (Professor Lucas-Championnière) will hold a reception. Wednesday will be devoted to the surgery of the thorax, the introductory addresses being given by MM. Garré, Gaudier, Girard, Lenormand and Ferguson. Thursday morning will be given up to demonstrations of fractures, and the afternoon to the discussion of pulmonary abscess and gangrene and bronchiectasis, introduced by MM. Van Stockum and Sauerbruch. Subjects for discussion on Friday are the surgical treatment of pulmonary tuberculosis and acute and chronic colitis. There will be a banquet on Thursday evening, and a gala performance at the Theater Royal on Friday evening.

THE Harpswell Laboratory was open during the season just closed from June 15 to September 11. During this time the following investigators carried on work there:

George A. Bates, professor of histology, Tufts Medical School, Boston.

Violet Dandridge, artist, U. S. National Museum, Washington.

Reuben J. Erickson, student, Knox College, Galesburg, Ill.

C. McLean Fraser, assistant, University of Iowa, Iowa City.

Abram T. Kerr, professor of anatomy, Cornell University, Ithaca.

Agnes R. Kerr, Ithaca.

Duncan S. Johnson, professor of botany, Johns Hopkins University, Baltimore.

J. S. Kingsley, professor of zoology, Tufts College, Tufts College, Mass.

Margaret Reed Lewis, Baltimore.

Warren H. Lewis, assistant professor of anatomy, Johns Hopkins University, Baltimore.

Herbert V. Neal, professor of zoology, Knox College, Galesburg.

Mary J. Rathbun, curator of invertebrates, U. S. National Museum, Washington.

Marian L. Shorey, professor of zoology, Milwaukee-Downer College, Milwaukee.

Leonard W. Williams, instructor in comparative anatomy, Harvard Medical School, Boston.

THE *Scottish Geographical Magazine* quotes the excursions to be made from October 23 to November 1, after the holding of the International Geographical Congress in Rome. Of these the first or northern excursion is to the lower valley of the Po and the Fore Alps. The starting-point is Ferrara, where the delta of the Po will be examined and a steamer journey on the river undertaken from Pontelagurascio to Mantua. Verona will then be visited, and the lakes of Garda and Iseo. The valley of the Serio will be traversed, special attention being paid to the development of industries here, and the use of water power. From Bergamo the lakes of Como and Maggiore will be crossed, thence the party will descend to Milan, where various scientific and industrial undertakings will be visited. On the way to Turin the town of Novara will be examined. The total expenses of this excursion will not exceed 380 Italian lire, and the objects of study will be physical and economic geography. Participants will be presented with a monograph of the delta of the river Po, with maps, especially prepared by Professor Mario Barrata, of the University of Pavia. The second excursion is to Naples, Palermo and the coasts of eastern Sicily and Calabria, and will be devoted to physical geography and vulcanology. The party is to meet at Naples, where a day will be devoted to the sights of the neighborhood, a choice having to be made between the three following: Vesuvius and Pompeii, the Phlegrean Fields or Capri. On the twenty-fourth of October the party will start by steamer for Palermo, traveling next day to Catania, where Mount Etna can be ascended or a tour made round its circumference. Thence the ruins of Messina and Reggio and the rebuilding of these towns will be examined. From Reggio excursions will be taken to the neighboring coastline to inspect the effects of the earthquake, and a return will

be made to Messina, where the steamer will be taken to Naples again. This excursion will not cost more than 358 lire. The third excursion is a variant of the preceding, but gives more time to Naples and its vicinity. It allows three days for Naples, and joins up with the other excursion at Catania. The cost will be about 366 lire. All excursionists are invited to visit the exhibition at Turin on November 1, and on the evening of that day the excursion will be regarded as closed.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE Japanese Minister of Education has announced that two new imperial universities will be opened. One will be at Sendai, on the eastern coast, and the other at Fukuoka, on the island of Kiushu.

DR. JACK P. MONTGOMERY, of the Mississippi Agriculture and Mining College, has been appointed adjunct professor of chemistry at the State University of Alabama.

HOMER C. WASHBURN, B.S., Ph.C., has been appointed professor of pharmacy in the University of Colorado. He is a graduate of the scientific and pharmaceutical departments of the University of Michigan. For seven years he has been a member of the faculty of the University of Oklahoma and for the last six years dean of the School of Pharmacy.

MR. W. A. WHITAKER, JR., of the department of chemistry, College of the City of New York, has accepted the associate professorship of metallurgy in the University of Kansas.

S. D. MAGERS, assistant professor of physiology in the Michigan State Normal College, Ypsilanti, succeeds Dr. E. R. Downing as professor of biology at the State Normal at Marquette, Mich.

THOMAS L. PATTERSON, M.A., with the Gypsy Moth Parasite Laboratory during the past summer, has been elected professor of biological sciences at Highland Park College, Des Moines, Iowa.

RECENT appointments at the State University of North Dakota are the naming of H. E. French, A.B. (Washington State, 1902), M.D. (Northwestern, 1907), and recently of the medical school of the University of South Dakota, as dean of the School of Medicine; Carl F. Raver, A.B. (Michigan), recently city bacteriologist for Oklahoma City, Oklahoma, as chemist in the State Public Health Laboratory; Roy E. Christie, A.B. (North Dakota, 1911), as assistant bacteriologist at the same place; Leon V. Parker, as bacteriologist in charge at the branch Public Health Laboratory at Minot, and Alfred Larson to fill a similar position in the branch laboratory at Bismarck.

#### DISCUSSION AND CORRESPONDENCE

##### THE GRAND CANYON OF THE COLORADO

ON page 89 of SCIENCE, No. 864 (July 21, 1911), I observe a special article by H. H. Robinson entitled "The Single Cycle Development of the Grand Canyon of the Colorado."

During the summer and autumn of 1908 I spent several months in the Grand Canyon in the region about Shinumo Creek, making a study of the geology of the Shinumo quadrangle. The results of this study were presented at Yale University in the form of a Doctor's thesis, a part of which, dealing with the rocks of the Vishnu and Grand Canyon series, has been published in the *American Journal of Science* (May and June, 1910) under the title "Contributions to the Geology of the Grand Canyon." I have since returned twice to the region to extend the same study in the interest of the United States Geological Survey; the entire report on the geology of the Shinumo quadrangle is to be published at a future date as a Bulletin of the Geological Survey.

My observations in that region (recorded in the thesis, but not yet published) are entirely in accord with the conclusions of Davis and Robinson in regard to the dependence of the benches in the canyon upon the character of the strata.