

been made possible through the cooperation of various institutions and individuals, including the U. S. Hydrograph Office, the U. S. Navy Department, the U. S. Geological Survey, the Carnegie Institution of Washington, the University of California, Stanford University and the advisory committee on seismology of the Carnegie Institution.

During the present year the officers of the society and the editors of the *Bulletin* expect to direct their efforts toward an educational campaign for the erection of earthquake-proof buildings.

STUDY OF ENGINEERING EDUCATION

THE Society for the Promotion of Engineering Education recently received from the Carnegie Corporation a communication stating that the corporation has set aside the sum of \$108,000 "for the purpose of making possible a study of engineering education" under the direction of the society. The letter of President F. P. Keppel, of the Carnegie Corporation, addressed to Professor C. F. Scott, chairman of the society's board of investigation and coordination, announces that \$24,000 is made available "during the present fiscal year and \$12,000 during the fiscal year 1924, with the understanding that if, in the judgment of the executive committee, substantial progress shall have been made in this study by January 1, 1925, the balance of the \$108,000 will be made available to the society as follows: \$24,000 additional during the fiscal year 1924 and \$48,000 during the fiscal year 1925."

William E. Wickenden, assistant vice-president of the American Telephone and Telegraph Company, has been appointed director of the investigation.

The Society for the Promotion of Engineering Education, which has more than 1,500 individual members and 86 institutional members, voted at its annual meeting in June, 1922, to expand its service to technical schools by a study of the training of engineers. A committee was appointed "to formulate an answer to the question, What can the society do in a comprehensive way to develop, broaden and enrich engineering education?" The report of this committee led to the organization in September, 1922, of a board of investigation and coordination, composed of Charles F. Scott, then president of the society; J. H. Dunlap, M. E. Cooley, F. W. McNair and D. C. Jackson. President Scott addressed a letter in October, 1922, to deans and presidents of engineering schools throughout the United States, "asking counsel and suggestions from the engineering schools for the guidance of the board." Abstracts from replies to this letter were printed in the November, 1922, issue of *Engineering Education*, the bulletin of the society. At the 1923 annual meeting last June, the society pledged "the support of its individual members to the proposed program of investigation of engineering education."

THE ROLLIN D. SALISBURY MEMORIAL

THE University of Chicago announces that a committee, consisting of Thomas E. Donnelley, chairman, from the board of trustees; Professor H. H. Barrows, chairman of the department of geography; Professor E. S. Bastin, chairman of the department of geology, and two other persons not members of the Board of Trustees or of the University faculties, has been appointed to raise a fund of \$100,000 to \$150,000 to be known as the Rollin D. Salisbury Memorial Fund for the promotion of research in the fields of geology and geography.

The income from the fund is to be used for the following specific classes of projects: (a) Field research expeditions; (b) office and laboratory researches; (c) research fellowship grants to graduate students of special promise for the conduct of specific researches; (d) aid in the publication of research results when such publication can not be otherwise arranged, and (e) other projects that come appropriately under the caption of promotion of research.

Professor Salisbury, who for twenty years was dean of the Ogden Graduate School of Science, head of the department of geography for sixteen years, and head of the department of geology at the time of his death in 1922, left a bequest to the university of a large fund for the endowment of scientific fellowships. Dean Salisbury's influence was widely extended through graduates in geology and geography who have gone to important positions in many educational institutions.

SCIENTIFIC NOTES AND NEWS

THE Nobel prize in physics has been awarded to Dr. Robert Andrews Millikan, director of the Norman Bridge Laboratory of Physics and chairman of the Administrative Council of the California Institute of Technology. The only previous award of this prize in America was to Professor A. A. Michelson, of the University of Chicago, in 1907.

THE Josiah Willard Gibbs lectures, recently established by the American Mathematical Society, were to have been inaugurated this winter with an address on the Einstein Theory by the late Charles Proteus Steinmetz.

DR. STEPHEN MOULTON BABCOCK, known as the discoverer of the Babcock test for fat in milk and for research on milk, celebrated his eightieth birthday at his home in Madison, Wis., on October 22. In 1901 a medal was given to Dr. Babcock by the state of Wisconsin, bearing the inscription "In recognition of the great value to the people of this state and to the whole world of the invention and discoveries of Professor Stephen Moulton Babcock, of the University of Wisconsin, and his unselfish dedication of these in-

ventions to the public service, the state of Wisconsin presents to Professor Babcock this medal."

PROFESSOR VLADIMIR KARAPETOFF, of the School of Electrical Engineering, Cornell University, has been awarded a prize of four thousand francs by the Montefiore Foundation of the University of Liège, Belgium. The award was made for his kinematic computing devices of electrical machinery, described in the technical press during the last three years. A committee of five Belgian and five foreign members, which makes these awards, has characterized this work as an expression of a "new idea which may lead to important developments in the domain of electricity."

THE Cross of the Legion of Honor for war service has been awarded to Dr. John J. Moorhead, of New York City. This is his third decoration from the French Government. Dr. Moorhead, who is professor of surgery at the New York Post-Graduate School and Hospital, was a lieutenant colonel in the Medical Corps of the A. E. F. for nineteen months.

THE Lenard prizes for distinguished work in colloid chemistry were recently awarded by the German Kolloidgesellschaft to R. Zsigmondy, professor of inorganic chemistry at Göttingen, for his discovery of the ultramicroscope, and to Dr. W. Pauli, professor of internal medicine at Vienna, for research on proteins.

DRS. G. E. H. ROGER, dean of the Paris Faculty of Medicine, J. L. Faure, professor of surgery in the same faculty; L. J. Hugouenq, honorary dean of the Lyons Faculty of Medicine; Maurice de Fleury, member of the Academy of Medicine, and A. Lumière have been made commanders of the Legion of Honor.

PROFESSOR ALEXIS THOMSON, of Edinburgh, is about to retire from the chair of surgery in the University of Edinburgh, a post he has held since 1909.

PRESIDENT RALPH D. HETZEL, of the University of New Hampshire, was elected president of the New England Association of Land Grant Colleges and Universities at the annual meeting held at Kingston, R. I., on November 2 and 3. Dean Joseph L. Hills, of the University of Vermont, was made secretary-treasurer.

DR. DAVID D. SCANNELL, who has already served three terms of three years each as a member of the Boston school committee, has been nominated for another term by the Public School Association of that city. Dr. Scannel has been on the teaching staffs of the Harvard and the Tufts Medical Schools and is a visiting surgeon at the Boston City Hospital.

PROFESSOR WILLIAM A. WITHERS, head of the department of chemistry in North Carolina State Col-

lege, was recently elected president of the Chamber of Commerce of Raleigh, N. C.

DR. MARCUS BENJAMIN, of the U. S. National Museum, represented Columbia University at the inauguration of William Mather Lewis as president of George Washington University on November 7.

W. A. McRAE, commissioner of agriculture of Florida for twelve years, has resigned. The governor has appointed Nathan Mayo, of Summerfield, Marion County, to be his successor. Mr. McRae will be connected with a large development company in Florida.

THE Laboratory of Pharmacognosy with the Drug Control Laboratory of the Bureau of Chemistry have been consolidated. The laboratory thus formed will be designated as the Drug Control Laboratory and will be in charge of Dr. G. W. Hoover.

DR. HARRY P. SWIFT has been appointed a special deputy commissioner of health for New York City to serve without compensation.

DR. FODOR, assistant to Abderhalden, has been asked to go to Palestine to superintend the foundation and take charge of an institute for physiologic chemistry.

DR. C. A. BROWNE, chief of the Bureau of Chemistry, U. S. Department of Agriculture, left Washington on October 25 for a three weeks' trip to some of the branch laboratories of the Bureau of Chemistry.

PROFESSOR CHARLES F. SHAW, of the Department of Soil Technology, University of California, has returned from a six months' sabbatical leave spent in Honolulu, Australia and New Zealand. In Australia an extended trip was made by motor into the interior, to study soil and agricultural conditions as well as the degree of settlement and development. Many soil samples were brought back for further study.

THE sum of £100 has been granted by the managers of the Balfour Fund to Mr. Cyril Crossland, M.A., of Clare College, Cambridge, in aid of his researches into the biology of the coral reefs and banks of the South Pacific.

THE Norwegian Arctic explorer, Christian Leden, has returned from Greenland, bringing back ethnographic and zoological collections for the Peabody Museum, Harvard University.

DR. PAUL KAMMERER, of the Biological Research Institute of Vienna, will shortly visit the United States, where he will lecture.

THE annual meeting of the Sigma Xi Club of Southern California was held on Friday evening, October 19, at Occidental College, Los Angeles.

After an informal dinner, Dr. D. T. MacDougal, director of botanical research in the Carnegie Institution, delivered an illustrated lecture on "The physical basis of life." The following officers were elected for the ensuing year: *President*, Dr. Willett L. Hardin; *vice-president*, Dr. LeRoy S. Weatherby; *secretary*, Catherine V. Beers; *treasurer*, Dr. Elbert E. Chandler.

PROFESSOR HARLOW SHAPLEY, director of the Harvard College Observatory, will lecture at Brown University in the Marshall Woods Series on January 15 on "The Origin of the World."

DR. GEORGE D. BIRKHOFF, professor of mathematics at Harvard University, will give at the Lowell Institute, Boston, during the month of December, a series of six lectures on "The origin, nature and influence of relativity." The dates and titles of the individual lectures are:

Tuesday, Dec. 4—"Euclid, Newton, Faraday, Einstein."

Friday, Dec. 7—"The nature of space and time."

Tuesday, Dec. 11—"The old and new theories of gravitation."

Friday, Dec. 14—"The experimental tests of relativity."

Tuesday, Dec. 18—"Some relative paradoxes and their explanation."

Friday, Dec. 21—"The philosophical influence of relativity."

THE *Journal* of the American Medical Association writes: "Dr. Ludvig Hektoen, Chicago, is chairman of a large committee which has made an appeal to American physicians to come to the aid of practitioners, research workers and medical students of Germany who face a winter of great distress and privation. As alumni of America's universities and professional schools, the committee says, we can not afford to stand idly by while scientific and medical Germany disappears. We have shared in the benefit of antitoxins, of chemotherapy, of the Roentgen ray. We shall not want the future to record that we were indifferent when the science of a Ludwig, a Virchow, a Helmholtz, a Koch or a Fischer was in dire need. Now is the time of greatest need. The old men of the profession in Germany are in most instances absolute paupers, their life's accumulation not sufficing to buy a slice of bread. Every effort will be made to safeguard the transmission of contributions to this fund, which, if expedient, will be made through American government channels. Make your check payable to 'American Aid for German Medical Science,' and mail to Dr. Hektoen at 637 South Wood Street, Chicago."

UNIVERSITY AND EDUCATIONAL NOTES

DR. FRANKLIN CHAMBERS McLEAN, the newly elected professor of medicine at the University of Chicago, will take part in the work of organizing the Medical School at the University. Dr. McLean has had the experience of organizing the Peking Union Medical College, upon whose buildings and equipment \$9,000,000 have already been expended.

W. L. SLATE, Jr., professor of agronomy in the Connecticut Agricultural College and vice director of the stations, has been appointed director to succeed Dr. E. H. Jenkins, who recently retired.

PROFESSOR C. W. PARMELEE has been made head of the department of Ceramic Engineering at the University of Illinois. He has been connected with the institution since 1916 as professor of ceramic engineering and during the past year has served as acting head.

DR. FRANK W. CHAMBERLAIN, who for five years has been acting dean of the division of veterinary science in the Michigan Agricultural College, has resigned in order to devote his full time to the department of anatomy.

THE chair of biology and pharmacognosy at the Philadelphia College of Pharmacy and Science, recently vacated by Professor Heber W. Youngken, who accepted an offer to occupy a similar chair at the Massachusetts College of Pharmacy, has been filled by the appointment of Dr. Arno Viehovever, who has had charge of the laboratory of pharmacognosy of the Bureau of Chemistry, U. S. Department of Agriculture, since 1914.

H. C. HOWARD has been appointed assistant professor of chemistry at the University of Missouri. Dr. Howard has been research chemist on the staff of the B. F. Goodrich Company.

J. S. BROWN, assistant geologist in the Geological Survey, has accepted a position for one year in the department of geology, Missouri School of Mines, Rolla, Missouri.

DR. GRUBER, formerly prosecutor at the municipal hospital in Mainz, has been called to Innsbruck as director of the Anatomical Institute, to succeed Professor Pommer.

PROFESSOR KUZYNski, a department head of the Berlin Pathological Institute, has accepted a call to the West Siberian University of Omsk, where he will serve as a pathologist, being entrusted more particularly with epidemiological research.