

of Pennsylvania for ten years, has been presented to the university by his widow, Mrs. Margie A. Smith, and will be preserved in its present setting in the Harrison chemical laboratory.

The university is making special arrangements to safeguard the collection. It will continue to be accessible to visitors and students, many of whom during Dr. Smith's lifetime had frequent recourse to it for research work.

The collection comprises three main divisions. The first contains about 500 autographed letters and manuscripts of eminent chemists of all nationalities; the second is made up of approximately 1,000 portrait prints and engravings of prominent chemists from the days of the alchemists to the present, and the third consists of nearly 1,000 books on alchemy and chemistry.

In addition, there are a number of chemical preparations and a variety of apparatus which Dr. Smith had accumulated during his career as teacher and research worker, and an unusually rare collection of books and manuscripts relating to the history of the University of Pennsylvania and the lives of outstanding alumni and members of the faculty.

Of Dr. Smith's books on alchemy and chemistry the majority are in their original bindings and many are printed in Latin, German and old French.

Letters from eminent chemists of all nations from the earliest times down to those of Pasteur and Mme. Curie are among the autographed manuscripts. Notable among these is one addressed by Joseph Priestley in 1792 to the members of the National Assembly of France, declining "nomination to the National Convention."

In 1898, when Dr. Smith was elected vice-provost of the university, he became intensely interested in its early history and his zeal in collecting material bearing on that subject soon resulted in his accumulation of a variety of rare items, many of which can not be duplicated elsewhere.

When the Harrison chemical laboratory was erected at the university in 1894, Dr. Smith selected two rooms for his offices and these he continued to occupy until his death, making them the depository for his collections.

SCIENTIFIC NOTES AND NEWS

PROFESSOR GILBERT MURRAY (England) has been elected president of the League of Nations International Committee on Intellectual Cooperation, in succession to the late Professor Lorentz. Mme. Curie (France) and M. Destrée (Belgium) have been elected vice-chairmen.

PROFESSOR C. W. STILES, of the U. S. Public Health Service, has been elected honorary fellow of the Royal Society of Tropical Medicine and Hygiene.

WILHELM N. SUKSDORF, of Bingen, Washington, was awarded an honorary degree of master of science in botany by the State College of Washington at its thirty-second commencement. It was the first honorary degree awarded by the institution in eleven years.

ALFRED V. DE FOREST, research engineer for the American Chain Company, was recently awarded the Dudley national medal by the National Society for Testing Materials in recognition of his achievement in perfecting a non-destructive test for materials.

SIR D. MORVSON, professor of geology and mineralogy at the University of Adelaide, was awarded the gold Nachtigall medal by the Society of Geography of Berlin, on the occasion of its one hundredth anniversary. The society also awarded a gold medal to the Society of Geography of Paris.

L. BLARINGHEM, professor at the Sorbonne, has been elected a member of the Paris Academy of Sciences in the section of botany, to take the place of the late Professor Guignard.

DR. NAGEOTTE, of the College of France, Paris, has been awarded the Monaco prize of 100,000 francs by the French Academy of Sciences.

ACCORDING to *Nature*, the Russian Academy of Sciences has appointed a committee to arrange for the celebration of the completion of forty years of scientific research by one of its members, Professor P. Sushkin, the eminent zoologist. There will be a special meeting of the academy in October, and it is hoped to publish a jubilee volume of papers.

DR. HANS THIERFELDER, professor of physiological chemistry at Tübingen, has recently celebrated his seventieth birthday.

DR. THOMAS B. OSBORNE, for forty-two years chief in protein research at the Connecticut Agricultural Experiment Station, New Haven, has retired from active direction of the work of the laboratory, assuming the title of advisory biochemist. Dr. Hubert B. Vickery, for several years associated with Dr. Osborne, has been appointed biochemist in charge.

THE retirement of Dr. Robert F. Ruttan, director of the department of chemistry in the medical school of McGill University and dean of the faculty of graduate studies, has been announced.

THE American Society of Plant Physiologists has elected the following officers for 1928-29: *President*, Dr. E. J. Kraus, of the University of Chicago; *vice-*

president, Dr. Scott V. Eaton, of the University of Chicago; *secretary-treasurer*, Dr. H. R. Kraybill, of Purdue University.

OFFICERS for the year 1928-29 of the British Institution of Electrical Engineers have been elected as follows: *President*, Lieut.-Col. K. Edgecombe; *vice-presidents*, Mr. P. V. Hunter, Dr. A. H. Railing; *honorary treasurer*, Lieut.-Col. F. A. Cortez Leigh.

PROFESSOR BRILMAN, of Denmark, has been elected president of the International Union for Pure and Applied Chemistry, the ninth conference of which came to an end at The Hague on July 21.

At the ninety-sixth annual meeting of the British Medical Association, held in Cardiff, Dr. A. H. Burgess, of Manchester, was elected president for 1929-30, and Dr. W. Harvey Smith, of Winnipeg, for 1930-31.

DR. J. H. DELLINGER, chief of the radio laboratory of the U. S. Bureau of Standards, has been appointed chief engineer of the Federal Radio Commission for a period of three months, subject to the approval of the secretary of commerce.

J. E. GRAF has been designated assistant chief of the U. S. Bureau of Entomology. He will continue his assignment as leader of the truck crop division and will also be responsible for matters pertaining to the business administration of the bureau.

DR. WILLARD ROUSE JILLSON, state geologist of Kentucky, was reappointed director of the Kentucky Geological Survey on July 11, by Governor F. D. Sampson, for a term of four years.

DR. LOUIS I. HARRIS, commissioner of health for New York City, has been appointed health expert and consultant to the National Dairy Products Corporation of New York.

N. T. NELSON, assistant physiologist in the tobacco substation at Windsor, Connecticut, has resigned to take charge of tobacco investigations under the supervision of the Canadian government at Ottawa.

JOHN STANLEY ROSS, who for several years has been in charge of the U. S. Geological Survey station at Midwest, Wyoming, has accepted a transfer to the Bureau of Mines Station at Dallas, Texas, where he will be employed on gas conservation work.

FRED F. HENSHAW, district engineer for the United States Geological Survey, water resources branch, Portland, Ore., has been transferred to the staff of the Federal Power Commission at Washington, D. C. G. H. Canfield, principal assistant in the Portland district, has been named to succeed Mr. Henshaw.

DR. F. LINDHOLM has been appointed director of the Physical Meteorological Observatory at Davos, to succeed Professor C. Dorno, who retired from active association with the observatory on April 1.

DR. JAMES A. DOULL, associate professor of epidemiology, in the Johns Hopkins University School of Hygiene and Public Health, has been granted a leave of absence to coordinate the work of the five year investigation of "common colds," made possible by a gift from the Chemical Foundation, New York. Dr. Doull's duties will be to maintain contact between the committee and the research workers; he will also engage in the clinical study of colds at the headquarters of the investigation in the Johns Hopkins Hospital.

PROFESSOR JAMES HENRY BREASTED, director of the Oriental Institute of the University of Chicago, has been commissioned by Secretary of State Frank B. Kellogg to represent the United States Government at the seventeenth International Congress of Orientalists to be held at Oxford, England, from August 27 to September 1. Dr. Breasted sailed for England on August 1.

PROFESSOR A. C. SWINNERTON, of the Department of Geology of Antioch College, is spending the month of August in the Bermudas under the auspices of the division of geology of Harvard University, where he is studying the relation of the Bermuda caves to changes in level.

PROFESSOR W. J. BAUMGARTNER, of the department of zoology of the University of Kansas, has been granted leave of absence for one year. He with his family will sail on August 15 for Europe where he will study in the University of Munich. Some time will be spent at the Naples Station and visits to other prominent laboratories in England and France will be made.

DR. ALEXANDER A. WEECH, Baltimore, is to spend a year in Peking Union Medical College, Peking, China, as associate professor of pediatrics.

ACCORDING to press dispatches the Swedish botanist, Dr. Sven Johan Enander, will soon make a trip to the United States, Canada and Mexico for the purpose of collecting trees of the willow family. The Swedish Riksdag has awarded Dr. Enander a subsidy of \$3,215 to help finance his forthcoming trip.

DR. STANISLAW K. KON, of Warsaw, Poland, a fellow of the Rockefeller Foundation, will spend the next month observing work at the Mayo Clinic. He is especially interested in nutrition.

STEPHEN JAROSZ, forester from Posen University, Poland, is studying forest conditions in Mount Rainier National Park.

H. C. SAMPSON, economic botanist at the Royal Botanic Gardens at Kew, will soon sail for British Honduras, where, at the request of the governor, he will carry out an investigation into the suitability of certain areas for agricultural settlement and for the cultivation of products for export.

ACCORDING to the Paris correspondent of the *Journal* of the American Medical Association, the bust of Dastre, the physiologist, who was professor at the Sorbonne, after having been one of the outstanding pupils of Claude Bernard, was recently assigned a prominent place in his former laboratory, and fitting dedicatory ceremonies were organized by his direct successor, Professor Lapicque.

DR. SAMUEL FESSENDEN CLARKE, professor emeritus of natural history at Williams College, died on August 1, aged seventy-seven years.

SIR FRANK SLY, who took a prominent part in the development of agricultural research in India, died on July 16, aged sixty-two years.

PUBLIC lectures will be given at the New York Botanical Garden on Saturday afternoons during August and September at 4:00 P. M. as follows: August 4, "Lilies," Dr. A. B. Stout; August 11, "Phlox," Alfred M. S. Pridham; August 18, "Naturalizing Bulbs," Mrs. Wheeler H. Peckham; August 25, "Summer Flowers Grown from Seed," Kenneth R. Boynton; September 1, "The Japanese Beetle," Loren B. Smith; September 8, "Gladiolus," Wm. Edwin Clark; September 15, "Growing Dahlias from Seed," W. H. Waite; September 22, "Trinidad and the Virgin Islands," Dr. Fred J. Seaver; September 29, "Gardening Books," Dr. J. H. Barnhart.

Nature reports that active preparations are being made for the quadrennial International Congress of Mathematics to be held from September 3 to 10 at Bologna. The business of the congress is to be transacted in seven sections: (1) Arithmetic, algebra, analysis; (2) geometry; (3) mechanics, astronomy, geodesy, geophysics, physical-mathematics, theoretical physics; (4) statistics, mathematical economics, calculation of the probabilities, science of the actuary; (5) engineering and industrial applications; (6) elementary mathematics, didactical questions, mathematical logic; (7) philosophy, history of mathematics. In each section an attractive program of lectures by experts has been arranged. On the social side, the national government and the cities of Bologna, Florence, Ravenna, Ferrara will give receptions. The visits organized will include important engineering works on the Tuscan-Emilian Apennines and the hydro-electric plant on the Lake of Ledro, near Lake Garda. Delegates have been appointed by the Uni-

versities of Aberdeen, Belfast, Birmingham, Cambridge, Edinburgh, Glasgow, Manchester, Oxford, St. Andrews and Toronto and Columbia University, the Royal Society of Edinburgh and the Cambridge Philosophical Society.

THE British Medical Research Council has announced that, on behalf of the Rockefeller Foundation, they have made the following awards of fellowships provided by the foundation and tenable in the United States during the academic year 1928-29: Dr. Leonard Ernest Bayliss, Sharpey scholar at University College, London; Dr. Albert Victor Neale, Children's Hospital, Birmingham; Dr. Francis John Worsley Roughton, lecturer in physicochemical aspects of physiology, University of Cambridge; Dorothy Stuart Russell, research worker in the Baron Institute of Pathology, London Hospital, and Arthur Wormald, lecturer in biochemistry, University of Leeds.

RECENT gifts announced by the University of Chicago board of trustees include an increase by Robert Law, Jr., of his subscription to the development fund from \$80,000 to \$200,000, the total to be used as endowment for a distinguished service professorship. A grant of \$8,000 also has been received from the Utilities Research Commission for research work under the direction of Professor Arthur H. Compton, of the department of physics, in the characteristics of electrical insulation. \$25,000 has been received from the Milbank Fund of New York City, to carry on research in infantile paralysis under the direction of Drs. Edwin O. Jordan and Ludwig Hektoen. The International Students' Extension has provided the sum of \$11,250 to promote welfare work among foreign students at the university during the year 1928-29. LaVerne Noyes scholarships to the amount of \$12,000 have been provided for Rush Medical College for the year 1928-29 by the estate of LaVerne Noyes.

THE Astronomical Society of France has announced the foundation of a new prize of 5,000 francs by M. Raoul Bernard to be awarded for practical results attained in the investigation of the high regions of the atmosphere. 10,000 francs will be awarded to the person who attains the height of 100 kilometers within the period of five years.

ACCORDING to the Japanese correspondent of the *Journal* of the American Medical Association the Rockefeller Foundation has arranged for several Japanese professors of medicine to go to America to pursue investigations. It plans to establish an organization for public health in Japan, and it has arranged for the exchange of medical investigators between America and Japan. The committee for the exchange scholarship has decided to send this year

Dr. M. Nishio, professor in the Jikeikai Medical College, and Dr. T. Matsuzaki, professor in the Imperial Girls' Medical College.

IN connection with the second International Congress of Radiology meeting in Stockholm it was announced that the cancer fund, which was begun as a birthday tribute to King Gustav on his seventieth birthday, already amounts to \$1,500,000. The fund will be applied to research on the treatment of cancer.

It is announced that Mrs. Cora Liggett Fowler's will gave \$1,500,000 to St. Luke's Hospital, St. Louis, for a clinic and research laboratory.

IN cooperation with the Mexican Department of Agriculture, the Bureau of Entomology of the United States Department of Agriculture is organizing a research laboratory in Mexico City to study the Mexican orange worm. Since Mexico City is at a rather high altitude, it was said, two sublaboratories are being established at Morelos and Cuerravaca, Mex. The laboratories are furnished with complete equipment to study all phases of the Mexican fruit worm, which has been doing damage in the Rio Grande Citrus Belt.

THE War Department has announced that the governor-general of the Philippine Islands, Henry L. Stimson, is planning a campaign to improve the health of the Filipinos, and that an appropriation has been approved for the establishment of a school of hygiene and public health at the University of the Philippines, Manila. The school will be established with a curriculum modeled on that of the best schools of the type in the United States to train the 400 officers of the Philippine Health Service and other physicians for the prevention of disease.

Nature states that on June 14 the Duke of Connaught opened the George Moore botanical laboratories at University College, Southampton. The new buildings have been made possible by a bequest under the will of the late Mr. George Moore, of Southampton, and have been designed by the staff of the college, and particularly Professor S. Mangham, professor of botany, and E. E. Mann, lecturer in civil and mechanical engineering. The dimensions of the building are 120 ft. x 30 ft., and it runs east and west, the north side being glazed so far as possible to afford facilities for microscope work. There are two floors. The ground floor provides thirteen rooms, including a theater, two lecture rooms, library, two laboratories for physiology and a photographic dark room. The upper floor has seven rooms, including a large elementary laboratory, pathological laboratory, laboratory for advanced work in systematic and structural botany and plant biochemistry, an exhibit room and

the usual preparation rooms. Plant houses, partly glazed with "Vita glass," have been built along the south front and western end, and the surrounding grounds will be developed as a botanical garden. In drawing up the plans of the building, full provision has been made for increased accommodation for research work.

RUTGERS UNIVERSITY has announced the gift of a valuable and historic collection of herbs from Dr. H. H. Rusby, of the College of Pharmacy of Columbia University. The herbarium was gathered seventy years ago by Dr. P. D. Knieskern, a pioneer collector of native plants of New Jersey.

UNIVERSITY AND EDUCATIONAL NOTES

THE division of bacteriology of the University of California Medical School starts the fall courses in the new quarters in San Francisco, in one of the medical school buildings. The course has heretofore been given in Berkeley as one of the premedical courses, open to both the medical and academic students. The staff will consist of Dr. Karl F. Meyer, *chairman*, and Dr. M. S. Marshall, Dr. H. W. Estill, Miss Bernice Eddie and Miss Evelyn Lewis. The department of bacteriology in the college of letters and science will continue to give instruction at Berkeley. Dr. Meyer will remain chairman of the department and will be associated with Dr. T. D. Beckwith and Dr. A. J. Salle.

DR. JOHN J. TIGERT, commissioner of the U. S. Bureau of Education, has resigned to accept the presidency of the University of Florida.

RECENT promotions to full professorships at the University of Chicago include Dr. W. C. Allee and Dr. C. R. Moore in the department of zoology, Dr. W. J. G. Land in the department of botany, Dr. H. B. Lemon in the department of physics and F. E. Ross in the department of astronomy.

PROFESSOR HERBERT WOODROW, head of the department of psychology in the University of Oklahoma, has been appointed head of the department of psychology at the University of Illinois to succeed Dr. Madison Bentley.

DR. BENJAMIN GRAVE, professor of zoology at Wash College, has been appointed director of the department of zoology at De Pauw University.

At Columbia University, Associate Professor G. W. Mullins, of Barnard College, has been promoted to a full professorship of mathematics, and Dr. R. G.