

the foundation for the establishment of a clinic for the study, treatment and prevention of diseases of the heart and circulatory system. In particular it is the donor's desire that an agency for treatment of patients at the clinic should become operative at once and that the clinic staff should immediately direct its efforts toward the ultimate prevention of such diseases.

The sum of \$250,000 more is to be added to the resources of the clinic as needed, and the donor has further informed the university that he hopes to present, in due time, at least \$500,000 more to the foundation for the development of education in the liberal arts.

In his letter to the trustees setting forth the plan to establish the foundation, Mr. Robinette said in part:

The provision as to the clinic for the study, treatment and prevention of diseases of the heart and circulatory system is made because I am convinced that through this means a very great contribution can be made to the betterment of human welfare. Therefore it is my desire that the clinic should devote special attention to the study and treatment of diseases of the heart and circulation whose cure and relief will mean so much to all. When some other disease or group of diseases displaces heart and circulatory diseases from the position of first importance, I wish the clinic to concentrate upon the study and treatment of such other disease or diseases.

I do this so that the work of the clinic may never be restricted to a field of treatment and study in which there may no longer exist a predominating menace, and so that the clinic may always devote itself to the attack upon that disease which at the time is the greatest obstacle to the continued activity of people of middle age and beyond, and especially those who are the leaders of our national life.

The University of Pennsylvania has also received an anonymous gift of \$100,000 to carry on a study of the leucaemias and lymphomata in the Henry Phipps Institute for the Study, Prevention and Cure of Tuberculosis, one of the medical departments of the university. The study will be made in the institute under the direction of Dr. Eugene L. Opie, director of the institute's laboratory and director of the department of pathology of the University of Pennsylvania's School of Medicine.

GRANTS FROM THE DANIEL GUGGENHEIM FUND FOR THE PROMOTION OF AERONAUTICS

At a recent meeting in Port Washington, New York, the board of trustees of the Daniel Guggenheim fund for the promotion of aeronautics authorized an appropriation of \$290,000 to the University of Washington for the purpose of constructing an Aeronautics building. The appropriation was made at the

request of Dr. M. Lyle Spencer, president of the university, and was granted in view of the work already accomplished at the university in establishing an aeronautical engineering course and in recognition of its outstanding importance as an engineering institution in the Northwest. It was announced that the board of regents of the University of Washington would request the legislature of the state of Washington to provide funds for the proper equipment and instructional staff of the building.

The fund also authorized an appropriation of \$15,000 for the Harvard University graduate school of business administration for the purpose of establishing a research fund over a period of three years for the study of the economic and industrial effects and possibilities of commercial aviation.

The Massachusetts Institute of Technology received \$34,000 to organize a three-year course in meteorology in that institution "in view of the need for meteorological instruction to keep pace with the development of commercial aviation."

In addition several smaller appropriations covering a wide variety of objects have been made. These included \$25,000 to finance the weather reporting services on the Los Angeles-San Francisco airway; \$2,500 for research in the development of a sensitive altimeter on the acoustic principle in the laboratory of the Technical University of Delft, Holland; the financing of the services of the aerologist for the Byrd Antarctic expedition, and \$500 to the college of engineering, New York University, to underwrite a course of aeronautical meteorology to be given at the university during the second half of the current school year.

It has also been announced that the fund will transfer its emphasis from assisting commercial aviation and stimulating public interest in its development to the consideration of the scientific problems involved in the mechanical structure of the airplane and the study of environmental conditions necessary for safe operation, particularly meteorology and the problem of fog-flying.

SCIENTIFIC NOTES AND NEWS

At the recent meeting of the International Astronomical Union held in Leyden, Holland, Sir Frank Dyson, British Astronomer Royal, was elected president for the next meeting, which it was decided to hold in the United States in September, 1932. This date was chosen in order that visiting astronomers might be in the United States at the time of the total eclipse of the sun, which will be visible in New England and eastern Canada on the afternoon of August 31, 1932.

THE Harbon gold medal of the Royal Institute of Public Health for 1928 was presented on June 28 to Sir Ronald Ross, in recognition of his eminent services to the public health.

MADAME CURIE, of Paris, was awarded the honorary degree of doctor of laws by the University of Glasgow on June 20.

DR. J. W. MCBAIN, Leverhulme professor of physical chemistry at the University of Bristol, received the honorary degree of doctor of science from the university on July 5.

BARON FERENCZ VON NOPCSA, of Vienna, and Professor Frederico Sacco, the well-known paleontologist of Turin, have been elected foreign members of the Geological Society of London. Dr. W. J. Jongmans, of Heerlen (Holland), and Señor Don César Rubio y Muñoz, of Madrid, have been elected foreign correspondents of the society.

At a meeting of the Imperial Academy of Japan on April 14, the prize in commemoration of the emperor's wedding was awarded to Professor Dr. H. Kondo, professor in the pharmaceutical department of the Tokyo Imperial University.

DR. JAMES HAWKINS, associate chemist at the Hospital of the Rockefeller Institute, New York City, has been awarded the degree of doctor of science from the University of Edinburgh, Scotland. Dr. Hawkins received the degree of Ph.D. in physical chemistry from the University of Edinburgh in 1922, and since then has been connected with the Rockefeller Institute.

DR. HUGH H. YOUNG, of the Johns Hopkins University, will be awarded a fellowship by the Royal College of Surgeons of Ireland the first week in August. Dr. Young sailed for Europe June 20.

DE PAUL UNIVERSITY, Chicago, conferred the honorary doctor of science degree upon John Giesen, director of the department of biology in Holy Cross College, at its regular commencement exercises in June.

DR. W. R. WHITNEY, director of the research laboratory of the General Electric Company for the past twenty-eight years, has been elected a vice-president of the company.

DR. PORTER J. CRAWFORD has been appointed a member of the international health division of the Rockefeller Foundation. He will be stationed in Brazil for the next three years.

PERKINS COVILLE, professor of forestry at the Iowa State College, has been appointed associate silviculturist in the office of forest experiment station of the U. S. Forest Service.

DR. JAMES G. NEEDHAM, professor of entomology at Cornell University, has returned from spending a year in China with the China Foundation for the Promotion of Education and Culture. He lectured on biological subjects before Chinese universities in and around Peking, Tientsin, Tsinan, Shanghai, Hangchow, Soochow and Nanking. He has been made an honorary member of the Entomological Society of China and of the Chinese honorary scholastic society of Phi Tau Phi and a corresponding member of the Peking Natural History Society. He gathered large collections of dragonflies and is preparing a monograph of the Chinese Odonata.

DR. GEORGE B. CRESSEY, assistant professor of geology in Shanghai College, has left Peking for western Inner Mongolia to continue his geological work in the Ordos and Alashan deserts. The expedition will explore areas which are unknown geographically as well as geologically. It is hoped to secure material bearing upon the climatic conditions of central Asia during the time of man's evolution.

DR. JOSEPH W. PRYOR, head of the department of anatomy and physiology at the University of Kentucky, recently returned from a six months' trip to Europe. While there he gave lectures on osteology before the British Association of Anatomists and at the Paris School of Medicine.

DR. EDWARD L. STEVENSON, editor of the Hispanic Society of America, recently gave a series of four lectures on "The Expansion of Geographic Knowledge in the Renaissance, as Illustrated by Contemporary Maps," under the auspices of the department of geography of King's College, London. After having spent more than a year in research in the European libraries, Dr. Stevenson expects to return to the United States soon.

DR. DWIGHT E. MINNICH, of the department of zoology at the University of Minnesota, secretary of the American Society of Zoologists, who was recently awarded a Guggenheim fellowship for the coming year, sailed on July 26 for Europe, where he plans to continue his research studies on the physiology of the chemical senses of animals with particular reference to insects. This work will be carried on in various European laboratories, chiefly at the zoological institute of the University of Munich. Until October 1, 1929, all communications to the American Society of Zoologists should be addressed to Dr. L. B. Arey, acting secretary, Northwestern Medical School.

DR. GEORGE SAUTÉ, of Harvard University, has been awarded one of the fellowships of the commission for relief in Belgium Educational Foundation, for the study of mathematics in Belgium.

DR. TRUMAN MICHELSON, ethnologist, of the Bureau of American Ethnology, left Washington on July 6 to continue his researches among the Algonquian tribes of Oklahoma and Iowa.

WILLIAM R. MAXON, associate curator of the division of plants, in the National Museum, left for Europe on July 4, to study the fern collections of several of the larger European herbaria. Mr. Maxon's principal investigations will be carried on at the British Museum and at the Royal Botanic Gardens, Kew, in connection with the preparation of the fern volume of the Flora of Jamaica, a work now in course of publication by the British Museum. From England Mr. Maxon expects to go to Stockholm, Copenhagen, Berlin and Paris, and will return to Washington in October.

ACCORDING to the Japanese correspondent of the *Journal* of the American Medical Association the invitations to the International Conference of the League of Nations concerning the standardization of arsphenamines, in Frankfurt, and to the International Serum Conference, in Copenhagen, have been accepted by Dr. S. Hata, director of the Kitasato Institute, and by Dr. M. Nagayo, director of the government institute for infectious diseases. Their farewell dinner party was given in Tokyo, May 12, and was attended by more than seventy distinguished scholars and men of their profession.

PROFESSOR HANS DRIESCH, of Leipzig, Clifford lecturer in the University of Aberdeen for 1907-1908, has sailed for South America where he is to be international guest-lecturer at a number of national universities. Last summer Professor Edward J. Menge, of Marquette University, was the recipient of this lectureship.

THE following represented Canada at the meeting of the International Astronomical Union at Leyden: Professor D. Buchanan, Professor C. A. Chant, Professor A. S. Eve, Dr. F. C. Henroteau, Professor L. V. King, Professor A. H. S. Gillson, Dr. J. S. Plaskett.

A SCHOLARSHIP has been established at Oberlin College in memory of the late Dr. Frank F. Jewett, who was head of the department of chemistry, through a gift of \$1,000 by Mrs. Jewett.

DR. JOHN WARREN, associate professor of anatomy in the Harvard Medical School, died on July 17.

SIR JOHN ISAAC THORNYCROFT, F.R.S., a pioneer in the design and construction of small high-speed vessels, died on June 28, aged eighty-five years.

SINCE its organization following the Washington meeting, the committee of one hundred on scientific

research of the American Association for the Advancement of Science has suffered the loss by death of six of its members: Charles W. Eliot, president emeritus of Harvard University; James F. Kemp, professor of geology in Columbia University; Ira Remsen, president emeritus of the Johns Hopkins University; Theodore W. Richards, director of the Gibbs memorial laboratory, Harvard University; Edgar F. Smith, president emeritus of the University of Pennsylvania; Erwin F. Smith, plant pathologist, Bureau of Plant Industry, U. S. Department of Agriculture. At its meeting on June 14 in Washington, D. C., the executive committee elected the following to fill the vacancies: Frank P. Graves, president of the University of the State of New York; Bailey Willis, professor emeritus of geology in Leland Stanford University; E. W. Washburn, U. S. Bureau of Standards, Washington, D. C.; John Johnston, professor of chemistry in Yale University; Moses Gomberg, professor of organic chemistry in the University of Michigan; Edward W. Berry, professor of paleontology in the Johns Hopkins University.

THE fourth meeting of the National Plant Board was concluded in Washington, D. C., on Tuesday, June 26, with a joint conference with the Federal Horticultural Board at which national and state plant quarantine policies were discussed. The National Plant Board is made up of two members from each of the four regional plant boards—the eastern, the western, the central and the southern. The purpose of the National Plant Board is to assist in bringing about uniformity in the promulgation and enforcement of plant quarantines and to maintain contact between the federal and state authorities, especially between the Federal Horticultural Board and the regional plant boards. The members of the National Plant Board are: Lee A. Strong, California, *chairman*; Dr. Wilmon Newell, Florida, *vice-chairman*; R. E. McDonald, Texas; W. A. McCubbin, Pennsylvania; Professor George A. Dean, Kansas; M. L. Dean, Idaho; Professor A. G. Ruggles, Minnesota, and Professor W. C. O'Kane, New Hampshire.

THE seventh annual meeting of the National Conference on Pharmaceutical Research will be held at Eastland Hotel, Portland, Maine, on August 18. There will be two sessions of the conference, one beginning in the morning and the other in the afternoon.

THE *Electrical Review* states that the council of the British Institute of Metals has accepted an invitation from the Verein deutsche Ingenieure and the Deutsche Gesellschaft für Metallkunde to hold next year's autumn meeting of the Institute at Düsseldorf. The meeting is expected to prove attractive not only

to British members, but also to members resident in Continental countries, who number many hundreds.

CHAS. N. GOULD, director of the Oklahoma Geological Survey, will serve during the ensuing year as director of research project No. 25A of the American Petroleum Institute, this work having to do with the determination of deep well temperatures in the State of Oklahoma. This is part of the work on geothermal gradients under the general supervision of Dr. C. E. Van Orstrand, of the U. S. Geological Survey, and under the general direction of the petroleum committee of the National Research Council, consisting of K. C. Heald, David White and E. DeGolyer. This work is going forward in the three states of California, Texas and Oklahoma. In the latter state, Mr. John A. McCutchin has been designated as observer and is now conducting experiments in the Healdton oil field in southern Oklahoma.

THE Chicago Academy of Science has undertaken to make a moving picture record of the wild life of North America. Thousands of specimens will be photographed and the entire continent represented. Local subjects will be filmed first, with the field of operations gradually broadened until the entire area is included. State and Federal authorities as well as private individuals interested in natural history are expected to aid in the work, which will proceed as rapidly as funds are available.

THE United States Navy Department's recent contributions to nautical science and to the advancement of safety at sea will be exhibited at the international exposition at Seville, Spain, opening next March. Prominent in the exhibit of the department will be the new charts of the coast of Cuba and the Gulf of Venezuela. The Naval Observatory will show types of navigational instruments used by ships and aircraft, including devices that helped Commander Byrd on the North Pole flight. The observatory will also demonstrate how the correct time is transmitted to ships at sea and to observatories in other countries.

THE Danish Naval Department has ordered several Heinkel hydro-monoplanes for the purpose of geographical survey and mapping in West Greenland for the Danish Geodetic Institute next year. It is the plan to send them to the Godhavn colony early in 1929.

THE University of Porto Rico has received, from an anonymous donor, a pledge of \$25,000 toward the erection of a modern teaching museum, on condition that an additional \$50,000 be secured from other sources. Tentative plans have already been drawn up for the erection of such a museum on the university campus and a campaign started for the purpose of securing the required funds.

A JOINT resolution recently approved by President Coolidge authorizes the Secretary of Agriculture to accept from James B. Munn, of New York City, on behalf of the United States, a gift of certain lands in Clayton County, Iowa, to become a part of the Upper Mississippi River Wild Life and Fish Refuge. These lands, embracing a total area of 488 acres estimated to be worth from \$30,000 to \$40,000, were donated to the government by Mr. Munn through his interest in the objects of the refuge.

THE offer of Dr. Samuel McCullagh to present to the academy of medicine a medal and sufficient funds to endow it has been accepted by the council. It will be known as "The Medal of the New York Academy of Medicine" and will be awarded for unusual contributions to medical science. A committee has been appointed to work out the details of the method of award.

THE conditions for the award of the Grasselli medal have been changed so that it may be awarded annually for the thesis offering the most useful suggestions in applied chemistry presented at a meeting of the American section of the Society of Chemical Industry or any joint meeting of that section with another scientific society. The medal committee is privileged to take under consideration the papers presented during a period of five years preceding the date of the award.

THE corporation of the Boston Medical Library has voted to have a campaign for funds to meet the necessity of providing space for its collection of books and expanding activities and to provide headquarters for the Massachusetts Medical Society and other appropriate professional associations. The library, three years ago, celebrated its fiftieth birthday and is today the fourth medical library in size and importance in the United States.

THIS year's Nobel prize winners will receive a sum of about £8,700 each, according to a report recently published by the Nobel Foundation in Stockholm. The total capital of the foundation is about £2,333,333, whereof about £1,750,000 constitutes the main fund. The gross receipts, consisting of interests and proceeds from investments of various kinds, amount to about £100,000, from which taxes (about £17,000) and general expenses have to be deducted, the sum available for prizes being about £43,600. The special funds of the Nobel Foundation now amount to about £150,000, a certain percentage of which is spent on the Nobel Library of foreign modern literature and on preparatory scientific research work in physics, chemistry and medicine. The prizes to be awarded this year are for physics, chemistry, medicine and literature.