

Arrangements have been made to house the members of the institute in convenient groups, and all will come together at meal time. In a new fraternity section, twelve modern houses—none more than three years old and all attractively furnished—will be reserved for institute members. Experience has shown that these details, as developed by the Institute of Politics at Williamstown, are highly beneficial.

THE ELLA SACHS PLOTZ FOUNDATION FOR THE ADVANCEMENT OF SCIENTIFIC INVESTIGATION

DURING the third year of the Ella Sachs Plotz Foundation for the Advancement of Scientific Investigation thirty-eight applications for grants were received by the trustees. Fourteen of these came from eight different countries in Europe and Asia, and the others came from the United States. The total number of grants made was thirteen, two of these being to investigators to whom aid had been promised for two and three years respectively. Seven of the new grants were made to scientists in countries outside of the United States.

In the three years of its existence thirty-five grants have been made, and investigators have been assisted in the United States, Great Britain, France, Germany, Austria, Hungary, Switzerland and Esthonia. The list of investigators and of the researches which have been aided in the current year is as follows:

Dr. L. H. Newburgh, University of Michigan, \$1,250 a year for three years for a study of the production of chronic nephritis with high protein diets and amino acids.

Dr. William deB. MacNider, University of North Carolina, \$1,700 a year for two years for research in chronic experimental nephritis.

Dr. Henry G. Barbour and Dr. Glenn R. Spurling, University of Louisville, \$500 for investigation of operative and anesthetic shock.

Dr. Robert Chambers, Cornell University, \$500 for the continuation of the study of problems in cell physiology.

Dr. James E. Dawson, Edinburgh, Scotland, \$250 a year for two years, for investigation on the pathology of the breast.

Dr. Paul Hari, Budapest, Hungary, \$1,000 for study of diseases of the metabolism with special reference to diabetes in animals and man.

Dr. Warfield T. Longcope, Johns Hopkins Hospital, \$750 for studies upon the etiological relationship of streptococcus infections to acute and subacute nephritis.

Dr. David Marine, Montefiore Hospital for Chronic Diseases, \$1,200 for study of the inorganic salts of the body and their excretion following suprarenalectomy.

Dr. J. K. Parnas, University of Lwow, Lwow, Poland, \$500 for study of ammonia in blood.

Dr. Charles Richet, Paris, France, \$1,000 for research on tuberculosis.

Dr. Paul Saxl, Vienna, Austria, \$250 for research in immunity from infectious diseases.

Prof. Dr. Schlayer, Berlin, Germany, \$250 for studies on renal function and its relation to blood and tissue.

Prof. H. Siegmund, Koln-Lindenthal, Germany, \$250 for studies on the relation of antibody formation to the reticuloendothelial system.

Applications for grants to be held during the year 1927-28 should be in the hands of the executive committee before May 15, and should be sent to the secretary, Dr. Francis W. Peabody, Boston City Hospital, Boston, Massachusetts.

SCIENTIFIC NOTES AND NEWS

DR. IRA REMSEN, professor-emeritus of chemistry and president-emeritus of the Johns Hopkins University, died on March 4, aged eighty-one years.

THE degree of doctor of medicine, *honoris causa*, was conferred upon Dr. John J. Abel, professor of pharmacology at the Johns Hopkins University, by a vote on November 4, 1926, of the faculty of medicine and academic senate of the John Casimir University of Lwow, Poland.

DR. HUBERT LYMAN CLARK, curator of echinoderms in the Museum of Comparative Zoology, Harvard University, and professor of biology at Olivet College from 1899 to 1905, delivered the Founders' Day address at Olivet College on February 24, the eighty-third anniversary of the founding of the institution. At the close of the ceremonies the honorary degree of doctor of science was conferred upon Dr. Clark.

THE president and Council of the Royal Society decided at their meeting on February 17 to recommend for election into the society the following 15 candidates: Professor Edward Victor Appleton, Professor Thomas Graham Brown, Mr. Richard Higgins Burne, Dr. James Chadwick, Dr. Gordon Miller Bourne Dobson, Dr. Sebastian Ziani de Ferranti, Professor James Kendall, Professor Patrick Playfair Laidlaw, Professor Abercrombie Anstruther Lawson, Dr. Joseph William Mellor, Mr. Otto Rosenheim, Professor Meghnad Saha, Professor John Sebastian Bach Stopford, Dr. Herbert Henry Thomas and Mr. Charles Morley Wenyon.

D. W. BRUNTON, mining engineer of Denver, has been awarded the Saunders medal of the American Institute of Mining and Metallurgical Engineers in recognition of his contributions to engineering. On January 7 Mr. Brunton was given a dinner in Denver which was attended by more than two hundred engineers.

PORTRAITS of Dean Frederick E. Turneure and the late Professor Storm Bull were presented to the College of Engineering of the University of Wisconsin

during the recent convention of the Engineering Society of Wisconsin.

DR. CHARLES EUGENE GUYE, professor of physics at the University of Geneva, has been elected a member of the Paris Academy of Sciences.

DR. KARL GRAEBE, formerly professor of chemistry at the University of Frankfurt, recently celebrated his eighty-sixth birthday.

At the annual general meeting of the Royal Astronomical Society, held on February 11, the Reverend T. E. R. Phillips was elected president.

DR. J. A. MURRAY was elected president of the Royal Microscopical Society at a meeting held on January 19.

At the recent meeting of the National Malaria Committee, Atlanta, Ga., Dr. L. O. Howard, chief of the bureau of entomology, U. S. Department of Agriculture, was elected *honorary chairman*; Dr. Victor G. Heiser, New York, *chairman*; Dr. Felix J. Underwood, state health officer, Mississippi, *vice-chairman*, and Dr. L. D. Fricks, U. S. Public Health Service, *secretary*. It was decided to appoint a committee to raise funds to carry on research work and to standardize the procedure of malaria surveys.

DR. GEORGE A. BAITSELL, associate professor of biology at Yale University, has been elected a member of the executive committee of the Sigma Xi society for a term of five years.

GEORGE E. ROBERTS, vice-president of the National City Bank, has been elected a member at large of the Engineering Foundation to succeed Elmer A. Sperry, gyroscope inventor.

DR. FREDERICK H. DIETERICH, formerly instructor in pathology in Columbia University, has been appointed director of laboratories at the Good Samaritan Hospital, Cincinnati.

ANITA W. WENGOROVIVUS, a graduate of Wellesley College, has been appointed as docent at the Peabody Museum of Natural History, Yale University, to succeed Eleanore W. Parmelee.

RUDOLPH MACY, formerly assistant professor of chemistry at the University of Maine, has joined the Chemical Warfare Service at Edgewood Arsenal, Md.

AMONG those who will conduct courses in the summer school at the University of Michigan this year are: Dr. Hugo Randolph Kruyt, professor of chemistry at the University of Utrecht; Dr. Edward Arthur Milne, professor of applied mathematics at the University of Manchester; Dr. Una Fielding, of the department of anatomy at the University of London; Professor William W. Cort, of the school of hygiene

and public health at the Johns Hopkins University; Dr. K. F. Mather, associate professor of physiography at Harvard University, and Professor Charles W. Waters, of the department of botany at the University of Minnesota.

DR. IVAN C. HALL, head of the department of bacteriology and public health in the University of Colorado Medical School, will give the course in general bacteriology in the University of Chicago during the summer session of 1927.

DR. T. WAYLAND VAUGHAN, director of the Scripps Institution of Oceanography at La Jolla, returned in February from the third Pan-Pacific Science Congress held in Japan. He was appointed chairman of an international committee on oceanographic study of the Pacific.

DR. N. L. BRITTON, director-in-chief of the New York Botanical Garden, and Mrs. Britton, honorary curator of mosses, left for Porto Rico on January 20, expecting to devote two months to further botanical explorations of that island.

W. L. MCATEE, in charge of the division of food habits research of the U. S. Biological Survey, has been authorized by the secretary to go to Europe early in March to investigate the propagation of migratory waterfowl. He also plans to visit laboratories in Budapest, Hungary; Lednice, Czechoslovakia, and York, England, where investigations of the food habits of birds are being carried on.

It is announced that Commander Richard E. Byrd, who flew in an airplane over the north pole, will attempt to fly across the south pole in the Antarctic summer of 1928. The flight base will be in the ice barrier around the pole. Bases of supplies will be established, facilities for taking off and alighting will be prepared and trial flights made in the next eighteen months. An American-built Fokker plane will be used, and the flight will be privately financed.

ANNOUNCEMENT has been made from Yale University that the lectures under the Silliman Foundation will be given by Ernest Clayton Andrews, government geologist of New South Wales, on "The Geology of the Pacific Area," and the lectures in the William Earl Dodge course on "The Responsibilities of Citizenship" by Sir George Newman, chief medical officer of the British Ministry of Health. Dr. William Brown, Wilde reader in mental philosophy at Oxford University and lecturer in psychotherapy in the University of London, gave the Dwight H. Terry lectures at the university on March 10 and 11.

THE sixth Sedgwick memorial lecture will be given at the Massachusetts Institute of Technology on the

afternoon of April 8 by Dr. Haven Emerson, professor of public health administration in Columbia University. Dr. Emerson will talk on "Public Health Diagnosis" and will consider the origin and present development of diagnostic methods applicable to communities seeking better health.

PROFESSOR HANS DRIESCH, for the past semester Carl Schurz professor at the University of Wisconsin, delivered the Mendel lecture at Holy Cross College on February 26 on "The Philosophy of Organisms."

PROFESSOR E. SCHRÖDINGER, of the University of Zurich, delivered three lectures at the University of Iowa to graduate students in the departments of physics and mathematics on February 9 and 10. The lectures were entitled "The Undulatory Theory of Atomic Structure."

DR. CECIL H. DESCH, metallographist and physical chemist of Sheffield University, England, addressed a meeting of the Washington Academy of Sciences on March 4, speaking on "The Growth of Crystals."

DR. J. H. DELLINGER, senior physicist in the U. S. Bureau of Standards, lectured before the Franklin Institute on March 3, on "Directive Radio Transmission." On March 16, Dr. C. H. Kunsman, physicist in the fixed nitrogen research laboratory of the U. S. Bureau of Soils, will address the institute on the synthesis of ammonia.

PROFESSOR JOHN C. HEMMETER lectured before the section of historical and cultural medicine, at the New York Academy of Medicine on February 24. On that occasion, for the first time, was exhibited his work, "Master Minds in Medicine."

DR. FRANCIS G. BENEDICT, director of the Carnegie Nutrition Laboratory, Boston, addressed a meeting of the Harvard Medical Society on March 1 when he spoke on "The Production and Loss of Heat in the Human Body."

PROFESSOR T. T. QUIRKE, chairman of the department of geology of the University of Illinois, delivered a series of lectures before the geology staff and graduate students at the University of Iowa on February 21, 22 and 23.

DR. B. S. BUTLER, of the U. S. Geological Survey, lectured to the students of the Colorado School of Mines on February 17, on the subject of "The Origin of Ore Deposits with particular reference to the Ore Deposits of Utah." The lecture was presented under the auspices of the local chapter of Sigma Gamma Epsilon.

DR. JOSEPH T. SINGEWALD, JR., professor of economic geology at the Johns Hopkins University, gave

two lectures before the school of geology at the University of Virginia on March 2, on "The Geology of the Andes of Central Peru" and "Geological Explorations in the Upper Amazon Basin."

DR. EDGAR JAMES SWIFT, head of the department of psychology at Washington University, will lecture before the students and officers of the postgraduate school of the United States Naval Academy at Annapolis on March 26. The subject of the address will be "The Psychology of Influencing and Directing Men."

THE annual dinner commemorating the birthday of Sir Francis Galton, the first president of the British Eugenics Society, was held by the society on February 16 with Major Leonard Darwin, president, in the chair. Dr. A. F. Tredgold delivered the Galton lecture on "Mental Disorder in Relation to Eugenics."

DR. ALBERT W. SMITH, professor of chemistry and head of the department of chemical engineering at the Case School of Applied Science, has died, aged sixty-four years.

DR. LUDWIG RADLKOFER, formerly professor of botany at Munich, and director of the botanical museum, has died, aged ninety-eight years.

THE meeting of the American Institute of Chemists will take place at Yale University on March 28, under the presidency of Dr. Treat B. Johnson, professor of organic chemistry at Yale University. An announcement of the meeting was printed in the last issue of SCIENCE, in which it was incorrectly intimated that the meeting had taken place earlier in the month.

THE thirty-seventh annual meeting of the Ohio Academy of Science will be held on April 15 and 16, at the Ohio State University. The time and place will make it possible for those in attendance to hear Dr. R. A. Millikan, of the California Institute of Technology, in a series of four or five lectures, and also to hear Dr. J. H. McGregor, of Columbia University, on the "Prehistoric Races of Man" on April 14 at 8:00 o'clock. The lecture by Dr. McGregor is under the auspices of the Omega chapter of the society of the Sigma Xi. On March 1, Dr. E. M. East, of Harvard University, gave a lecture at the university on "The Biology of the Immigration Policy."

THE non-biological science section of the Ohio Educational Conference which is to be held on April 8, under the auspices of the college of education of the Ohio State University, includes seven scientific papers, among them addresses by Professor Dayton C. Miller and Professor B. S. Hopkins.

THE forthcoming annual meeting of the American Association of Museums is to be held from May 23

to 25 in Washington, D. C., not in Chicago as originally planned.

ACCORDING to the *Geographical Journal* the second congress of Slav Geographers and Ethnologists will be held this year in Poland between June 1 and 11. Visitors from other countries will be admitted to take part in it. The meetings will take place at Warsaw and five other Polish cities in turn, and two special trains will be at the disposal of the members, in which it is proposed to make a tour through a considerable part of the country. The president is Professor E. Romer, and the secretary, Professor L. Sawicki, the officers of the organizing committee being at 64 Gradzka, Cracow.

A SERIES of free public lectures will be given at the New York Botanical Garden during March and April. These lectures will be given at 3:30 on Sunday afternoons as follows: March 5, "Garden Soils and Fertilizers," Mr. J. G. Curtis; March 12, "Floral Features of Florida," Dr. J. H. Barnhart; March 19, "Through the Western Andes of Colombia," Dr. Francis W. Pennell; March 26, "The Natural Bridges and Desert Flora of Southeastern Utah," Dr. P. A. Rydberg; April 2, "The State Park at Devil's Lake, Wisconsin," Dr. A. B. Stout; April 9, "With Burroughs and Muir in the Southwest," Dr. Clara Barrus; April 16, "Coffee: The Plant and the Beverage," Dr. Ralph H. Cheney; April 23, "The Tea Gardens of Ceylon and Japan," Dr. H. A. Gleason; April 30, "Children's Gardens," Miss Ellen Eddy Shaw.

THE new laboratory of physics at Columbia University, constructed at a cost of \$1,500,000, was formally opened on February 25. The occasion was marked by a dinner in the Faculty Club, on Morning-side Avenue, at which Professor Michael I. Pupin, of the department of electromechanics, was toastmaster. The dinner was attended by present and former members of the staff of the department of physics, trustees and representatives of all scientific departments and members of the Optical Society of America and the American Physical Societies then meeting at the laboratory. Dean George B. Pegram, of the schools of mines, engineering and chemistry, spoke in behalf of the department of physics. Samuel R. Williams, professor of physics in Amherst College, spoke for the Ph.D. alumni. Ernest Merritt, professor of physics at Cornell University, responded for other universities, and Dr. Frank B. Jewett, president of the Bell Telephone Laboratories, responded for the industrial research laboratories.

THE anti-evolution bill introduced in the North Dakota legislature on February 8 has been killed in committee without a dissenting vote.

MISS ELEONORE WUNDT writes that she would like to receive letters addressed by her distinguished father, Professor Wilhelm Wundt, to American psychologists for use in the biography that she is preparing. Any such letters will be copied by her and promptly returned. They should be sent to Bismarckstr. 31, III, Jena, Germany.

STANFORD UNIVERSITY has dropped its proposed \$1,000,000 Luther Burbank foundation fund to perpetuate the experimental work at Santa Rosa and Sebastopol.

THE University of Michigan observatory, under construction at Bloemfontein, South Africa, will be completed through the generosity of Robert Patterson Lamont, of Chicago, who has also donated the Lamont telescope which will be installed in the observatory. The recent donation of \$25,000 will be used for the construction of the observatory.

THROUGH the courtesy of Professor Rudolf Florin, of the National Museum of Stockholm, Sweden, the New York Botanical Garden recently received a shipment of about fifty specimens, including forty-two different species of Triassic and Jurassic fossil plants, representing collections from a number of localities in widely separated parts of the world—Brazil, Antarctica, Spitzbergen, Japan, England, Austria, Bavaria and Scandinavia.

THE American Home Economics Association, through the trustees of the Ellen H. Richards memorial fund, announces the offer of a graduate fellowship of \$500 for the year 1927-28. Applications should be made in writing on or before April 1, 1927. Full information may be obtained from the office of the American Home Economics Association, Washington, D. C.

THE question of organizing a professional division of mechanics and physics and applied mathematics is being considered by a group of members of the American Society of Mechanical Engineers who met during the 1926 annual meeting. This section would embrace analytical mechanics as applied to rigid, elastic and fluid bodies, including (a) mechanics of materials, (b) kinematics and dynamics of machines, (c) stresses in structures and machines and (d) friction and lubrication; physics, including (a) heat flow, (b) thermodynamics, (c) acoustic and noise problems; and applied mathematics. The following committee was appointed to formulate a definite plan for the division: *Chairman*, Dr. S. Timoshenko; *secretary*, A. L. Kimball; H. A. S. Howarth.

PRESIDENT COOLIDGE has approved a request for \$50,000 for the continuation of research work being conducted by the North Central Station of the United

States Bureau of Mines in cooperation with the University of Minnesota Experiment Station and School of Mines. The sum will be used to investigate processes for producing high-grade manganese alloys from low-grade ores, which occur abundantly in Minnesota.

ACCORDING to the Experiment Station *Record*, the Peruvian Agricultural Institute of Parasitology has recently been organized by the National Agricultural Society of Peru to study the insect pests and fungus diseases which affect the crops of the coastal region, especially cotton and sugar cane. Dr. C. H. T. Townsend has been appointed in charge of this institute and is engaged in the selection of a site and the erection of the necessary buildings. It is expected that one of the earliest studies will be made of the cane borer, said to be the only insect which seriously damages sugar cane in Peru.

THE Belgium correspondent of the *Journal* of the American Medical Association writes that the Academy of Medicine has appointed a committee to make arrangements for the commemoration of the life and works of Dr. Paul Heger. The committee plans the publication of a memorial volume in his honor. In addition, it announces that a special fund will be created and placed at the disposal of the occupant of the chair of physiology at the University of Brussels, with a view to rendering personal aid to investigators or to make possible the carrying out of researches that are difficult under present economic conditions.

THE *Journal* of the American Medical Association states that the senate committee on foreign relations has approved a bill introduced by Senator Wadsworth, New York, providing for the erection and maintenance of the Gorgas Memorial Laboratory in Panama, to be paid for in part by the United States to the extent of an annual expenditure of \$50,000. The bill contemplates that South and Central American governments will contribute annually for the maintenance of the laboratory, and that the government of the United States shall be represented on the board or council directing the administration of the laboratory.

A MEETING was recently held in the office of Dr. Charles Campbell, deputy minister of mines, to discuss with representatives of the United States Bureau of Mines methods of cooperation among the bureau and department of mines and the National Research Council of Canada. The work of the United States bureau was outlined by Dr. Dorsey Lyon, chief metallurgist and supervisor of experiment stations, and his assistant, B. C. Ralston; that of the Dominion Department by John McLeish, director of the mines branch, and members of his staff, and that of the research council by J. M. Morrow and F. E. Lathe. Definite arrangements were made for the close cooperation of the two governments in carrying out investigations on all the subjects discussed, similar

to that now existing between the United States Bureau of Mines and the British government on fuel research.

THE Experiment Station *Record* states that arrangements are being completed to open a rabbit experimental station at Ontario, Calif., on the grounds of the Chaffee Union High School. The use of a tract of 5 acres of land with the necessary fencing and water is to be given the U. S. Department of Agriculture for the purpose, and it is expected that \$15,000 will be raised by the National Rabbit Federation to erect the necessary buildings and other improvements and provide the running expenses for at least one year. The purposes of the station will be the study of the economic production of rabbits for meat and fur, breeding and feeding methods, diseases and parasites, and the utilization of rabbit offal and manure as fertilizer. It is hoped to open the station in March with D. Monroe Green of the U. S. Biological Survey in charge.

A CORRESPONDENT writes that Miss Dorothy Garrod, of Oxford University, whose discovery at Gibraltar of the cranium of a child belonging to the Neandertal race was reported at the Oxford meeting of the British Association for the Advancement of Science last August, has now discovered the lower jaw of the same individual and also an additional portion of the cranium. In France, D. Peyrony, of Les Eyzies, has discovered at the type station of La Madeleine (Dordogne) the sepulture of a child. He states that the body had been richly decorated at the time of burial. It belongs to the Magdalenian Epoch, which is the last stage of the Paleolithic Period.

UNIVERSITY AND EDUCATIONAL NOTES

THE campaign conducted by the Johns Hopkins University half-century committee for endowment funds for the university and the hospital, closing December 31, 1926, resulted in total contributions of \$7,022,019 from 3,992 subscriptions.

FUNDS for the further development of the University of Pennsylvania's medical facilities have reached the \$1,235,000 mark with the receipt of new gifts amounting to more than \$135,000. A total of \$3,050,000 is sought.

GIFTS totaling more than \$365,000 were accepted for the University of Michigan by the Board of Regents at the February meeting. These included \$225,000, to be paid in amounts of \$45,000 a year for five years, from three anonymous donors, to establish a laboratory for research and investigation of cancer and other forms of growth.

By the will of the late George French Porter, of