

Gregory Paul Baxter, professor of chemistry; for one year, to assist in investigations upon the density of gases, important in finding atomic weights of the inert gases.

Frederick Albert Saunders, professor of physics; for one year, to purchase a spectrograph of large size with optical parts made of quartz for use in the Jefferson Physical Laboratory in researches dealing with the spectra of atoms and molecules.

James Bryant Conant, assistant professor of chemistry; for two years, to aid in his investigations of the chemistry of hemoglobin in the border-line field between organic, biological and electro-chemistry: part for a trained assistant, part for laboratory expenses and part for the purchase of a spectro-photometer.

Harlow Shapley, Paine professor of practical astronomy and director of the Harvard College Observatory; for one year, to enable him to continue his study of the stars: part for a slit spectroscope to be attached to the 24-inch Bruce refractor at Arequipa, Peru, for use in connection with the study of the velocities of the bright line nebulae in the Magellanic clouds and the Southern Milky Way and part for the construction of a slit spectroscope as accessory to the 60-inch reflector at the Cambridge station of the Harvard Observatory, to be used for analysis of the chemical constitution of the brighter northern stars and for the determination of their radial velocities.

Alexander George McAdie, Abbott Lawrence Rotch professor of meteorology and director of the Blue Hill Observatory; for one year, to provide necessary equipment and services of an expert mechanic to permit Professor McAdie to make at Blue Hill Observatory researches upon the general problem of the dust content of free air and the special problem of the behavior of water vapor in free air during thunderstorms, which are part of a general study of atmospheric pollution.

Carroll Cornelius Pratt, instructor in psychology; for one year, to purchase a set of Stern tone variators to be used as a source of pure tones of definitely known frequency which can be varied over a wide range in an investigation of tonal intervals to determine whether the perception of a series of tones follows the Weber-Fechner law.

Emory Leon Chaffee, associate professor of physics; for one year, for apparatus and an assistant to conduct investigations on variations in electrical potential in the retina of the eye resulting from stimulation by light.

William Duane, professor of bio-physics; for two years, to carry on researches on X-rays and radio activity: part for the completion of a 100,000-volt storage battery, part for an assistant and the purchase of equipment and materials.

Edward W. Forbes, director of William Hayes Fogg Art Museum; for one year, to study the chemistry of paints and the preservation of pictures and investigation of the possible use of X-ray work in the detection of picture forgeries.

Grinnell Jones, associate professor of chemistry; for one year, for apparatus required in research on the electrical conductivity of solutions.

Merritt Lyndon Fernald, Fisher professor of natural

history; for one year, for field work in connection with the geographic botany of Northeast America, notably in Newfoundland and Labrador.

Edward Charles Jeffrey, professor of plant morphology; for one year, for traveling and field expenses in Australia and New Zealand incident to a research on the trees of the southern hemisphere.

William McDougall, professor of psychology; for two years, to continue his research on the Lamarckian hypothesis of the transmission of "acquired characters."

## SCIENTIFIC NOTES AND NEWS

DR. ROLAND THAXTER, professor emeritus of botany at Harvard University, has been elected a foreign member of the French Academy of Sciences, section of botany.

It is reported that the council of the British Association for the Advancement of Science has elected the Prince of Wales president for the 1926 meeting in Oxford.

DR. HIDEYO NOGUCHI, of the Rockefeller Institute for Medical Research, has been elected corresponding member of the Sociedad Medica de Caracas, Venezuela.

THE Franklin Institute recently awarded to Dr. Harvey C. Hayes, of the Naval Research Laboratory, Anacostia, D. C., its Louis Edward Levy gold medal for his paper on "Measuring ocean depths by acoustical methods," printed in the *Journal* of the Franklin Institute for March, 1924.

THE American minister to Denmark presented to Knud Rasmussen, the Danish Arctic explorer, the Daly medal of the American Geographical Society on March 10.

THE president and council of the Royal Society decided at a meeting on February 19 to recommend for election into the society the following fifteen candidates: Dr. W. R. G. Atkins, Professor C. A. Lovatt Evans, Mr. R. H. Fowler, Dr. F. A. Freeth, Dr. Walcot Gibson, Dr. Harold Jeffreys, Professor F. Wood Jones, Professor J. Kenner, Professor E. Mellanby, Mr. J. A. Murray, Professor J. Proudman, Mr. R. V. Southwell, Dr. L. J. Spencer, Dr. R. J. Tillyard, Professor R. Whiddington.

DR. KARL A. L. KOCK has been chosen to fill the place of corresponding member of the Swedish Academy left vacant by the death of Dr. Söderwall.

DR. FRIEDRICH PASCHEN, who was recently appointed president of the Physikalisch-Technische Reichsanstalt, has been elected to an honorary professorship in the faculty of the University of Berlin.

DEAN LOUIS MITCHELL, of the College of Applied

Science, Syracuse University, has been appointed a member of the grade-crossing commission to succeed Alexander T. Brown, who has resigned.

DR. WILDER D. BANCROFT, professor of physical chemistry at Cornell University, has been nominated for the Harvard College Board of Overseers to be elected for a term of five years beginning next June.

DR. HOWARD CANNING TAYLOR, professor of clinical gynecology at the College of Physicians and Surgeons, New York, has been elected president of the American Society for the Control of Cancer.

DR. CHARLES D. WOODS has resigned his position of director of the division of information of the Massachusetts Department of Agriculture on account of ill health. His permanent residence will be at Ellsworth, Maine.

SIR ARNOLD THEILER, director of veterinary research in the South African Department of Agriculture, has placed his resignation in the hands of the Union Government.

DR. ALFONS KUNZ, assistant during the past two years to Professor Geza Zemplén, of the chemistry department of the Technical University of Budapest, Hungary, has been appointed a research associate in the polarimetric section of the United States Bureau of Standards.

CAPTAIN OTTO SVERDRUP, Norwegian explorer, has consented to conduct the French Arctic expedition's ship to Franz Josef's Land. The expedition, under Lieutenant Jules de Payer, will probably start this summer and will be gone a year. Airplanes will be used, and it is possible an attempt will be made to reach the pole, but the main objects of the expedition are scientific.

A GEOLOGICAL survey party in charge of Gerald Fitzgerald, topographer, and Walter R. Smith, geologist, has departed from Seattle for northern Alaska, to continue the exploration of Naval Petroleum Reserve No. 4. They plan to explore a region between the head of the Pitmegea and Utukok Rivers.

DR. AUSTIN M. PATTERSON, professor of chemistry at Antioch College, will sail for Europe on April 16 to attend meetings of the International Committee on Organic Chemical Nomenclature, of which he is the American member. He also expects to attend the chemical congress to be held in Bucharest in June.

DR. EPHRAIM HARENBENI, former botanical advisor of the Palestine government and for many years a student of the flora of Palestine, is visiting the United States.

PROFESSOR W. F. G. SWANN, of the Sloane Physical Laboratory of Yale University, gave a lecture on

"The principle of relativity" on March 12, at the Franklin Institute.

DR. DONALD D. VAN SLYKE, research chemist of the Rockefeller Institute, will give three lectures at Rutgers University, in April, on the general subject of "The chemistry of the blood."

PROFESSOR P. DEBYE, of Zürich, delivered an address on "The quantum theory and its bearing on the classical laws of the conservation of energy and momentum," before a meeting of the Philosophical Society of Washington, on March 11.

DR. ROLLIN T. CHAMBERLIN, professor of geology at the University of Chicago, gave an illustrated lecture before the Geographic Society of Chicago on March 13, on "Exploring the caribos."

ARTHUR W. THOMAS, associate professor of food chemistry at Columbia University, addressed the New York Academy of Medicine on the subject, "Modern colloid chemistry," on February 5.

DR. LOUIS D. RICKETTS delivered the fourth Brackett lecture at Princeton University on January 20, taking as his subject the "Progress in copper metallurgy."

ON February 21, Professor L. V. King, F.R.S., of McGill University, delivered an address to the Royal Canadian Institute of Toronto, on the subject "Recent Canadian researches on aids to navigation." On February 28, Dr. Zay Jeffries, director of Research Aluminum Company of America, Cleveland, delivered an address to the institute on "The hardness of metals, what it means and how it is produced."

PROFESSOR JOHN FILLMORE HAYFORD, director of the college of engineering at Northwestern University, died on March 10, aged fifty-seven years.

DR. WILLIAM MCINNIS, former director of the Geological Survey of Canada and director of the Victoria Museum, Ottawa, died on March 11, aged sixty-seven years.

WILLIAM WATSON, formerly curator of the Royal Botanic Gardens, Kew, England, died on January 30, aged sixty-seven years.

DR. O. LARCHER, of Paris, former vice-president of the Société de Biologie, has died, aged eighty-one years.

DR. LEO TESTUT, professor of anatomy at the University of Lyons and member of the French Academy of Medicine, has died at the age of seventy-six years.

THE United States Civil Service Commission announces an unassembled examination for "biologist" in the U. S. Bureau of Fisheries. The subjects to

be considered are (1) Education, training and experience, weights 70; (2) publications or thesis (to be filed with application) weights 30. There are to be filled from this examination a vacancy in the position of director of biological station, Bureau of Fisheries, for duty at Key West, Florida, at \$3,800 a year and vacancies occurring in positions requiring similar qualifications throughout the United States, at this or higher or lower salaries, unless it is found in the interest of the service to fill any vacancy by reinstatement, transfer or promotion. Receipt of applications will close on April 7.

A SERIES of public lectures were given at the Carnegie Institute of Technology during March, 1925, as follows: Two lectures were given by Dr. James F. Norris, president of the American Chemical Society and professor of organic chemistry at Massachusetts Institute of Technology, who discussed "The reactivity of atoms and groups in organic compounds," on the evenings of March 9 and 10. On the evenings of March 12, 13 and 14, a series was given by Dr. Carl Benedicks, director of the Metallographic Institute of Stockholm, Sweden. His subjects were as follows: "On the theory of high speed steel;" "A determination of the specific gravity of molten iron—a rational moulding form for alloys difficult to roll;" and "Homogeneous thermo-electric and homogeneous electro-thermic effects." The third series was given on March 16, 17, and 18, when Dr. Karl K. Darrow, physicist with the Bell Telephone Laboratories, Inc., of New York City, talked on "Atoms and radiation."

A NUMBER of eminent geographers in the United States and Europe are giving lectures at Clark University. Dr. Edward L. Stevenson, former director of the Hispanic Society and professor of history at Rutgers, spoke on "Early discovery and exploration in the New World as represented by contemporary map makers," on March 2. Dr. Henry C. Cowles, professor of botany at the University of Chicago, delivered a series of six addresses on "Plant ecology" and on "Ecology in the settlement of boundary disputes," illustrated by slides. The third lecturer will be Professor George B. Roorback, member of the faculty of the Harvard Graduate School of Business Administration, who will speak on "Problems in foreign trade," on the afternoons of March 10, 13, 17, 27 and 31. Dr. Frans X. Schaffer, professor of geology and director of the Natural History Museum of Vienna, will have for his subject, "Man in the stone age in the high Alps," in three lectures to be given April 1 and 2. On the afternoon of April 8, he will talk on "Changes of the earth's crust," and on the evening of the same day on "Seven travels in Asia Minor." Dr. William C.

Alden, of the United States Geological Survey, speaks on May 15 and 16, on "Physical features of central Massachusetts," and will also give an illustrated talk on the Glacier National Park.

THE thirteenth annual meeting of the Eugenics Research Association will be held at Cold Spring Harbor on June 27, 1925. The subject of Dr. Charles W. Burr's presidential address for that date is "The changed attitude of psychiatry toward crime." Besides the presidential address, there will be a number of other scientific papers, committee reports, business meeting and luncheon. Persons who attend the meeting can leave Pennsylvania Station, New York, at about 9 A.M., and returning can reach Pennsylvania Station at about six in the evening. Members with eugenical researches to report this year are respectfully requested to establish early contact with the program committee by addressing the Secretary of the Eugenics Research Association, Cold Spring Harbor, Long Island, N. Y.

THE fourth annual Congress of Anesthetists will be held at The Breakers, Atlantic City, from May 25 to 28, during American Medical Association week, under the presidency of Dr. Wesley Bourne, of Montreal. Special sessions will be devoted to current researches, newer anesthetics, effects on respiration and circulation, blood and tissue chemistry, tests for evaluating risk and handling hazardous patients.

THE next meeting of the International Commission of Eugenics will be held in London on July 14 and 15. Agenda for the sessions and communications should be sent to the secretary, Dr. A. Govaerts, of Brussels.

THE Sixth International Neo-Malthusian and Birth Control Conference will be held at the Hotel McAlpin, New York, from March 25 to 31, under the presidency of C. V. Drysdale, London. Among those scheduled to speak are: Dr. Adolph Meyer, of Johns Hopkins University; Dr. Raymond Pearl, of Johns Hopkins University; Dr. Edward M. East, Harvard University; Dr. Leon J. Cole, University of Wisconsin, and Dr. Clarence C. Little, president of the University of Maine. The previous international conferences were held in Paris, 1901; Liège, 1905; The Hague, 1910; Dresden, 1911, and London, 1922.

THE Sigma Xi Alumni Association, of the University of Pittsburgh, held a meeting on March 16 in Thaw Hall. A program was presented by the staff of the department of physics as follows: Dr. L. P. Sieg, "The optical constants of crystals"; Dr. O. H. Blackwood, "The nature of gas ions"; Dr. W. N. St. Peter, "Infra red line spectra"; Dr. J. J. Weigle, "Electrons in metals"; Dr. Richard Hamer, "A recent

addition to the quantum theory of the photo-electric effect."

A SCIENCE club, including in its membership the faculties and advanced students of the four science departments, has been formed at St. Lawrence University, Canton, N. Y. The organization meeting was held on December 8, 1924. John B. Hulse is secretary.

A GRANT of \$200 has been awarded to Dr. Charles E. Simon, of the department of filterable viruses of the School of Hygiene of the Johns Hopkins University, by the committee on scientific research of the American Medical Association for the prosecution of his studies on measles.

THE Rockefeller Institute for Medical Research is to erect a two-story isolation building which will cost \$125,000.

THE late J. M. G. Proffit, a British merchant, has left the residue of his estate, estimated at £160,000, for a trust fund of which one half is to be applied for inquiry into the nature, cause, prevention, treatment and cure of tuberculosis, and one half for similar inquiry regarding cancer, as a board of special trustees shall decide. The trustees may, among other powers, apply the funds of the trust in financing persons or institutions conducting such research, the equipment and endowment of institutions or laboratories for this purpose and the publication of the results of such researches.

A NUMBER of centers of scientific research in France are to receive funds from the nine million francs collected from the public on Pasteur's day. Recommendations for the division of the funds, by the French Academy, have been made as follows: Observatories of France and Algeria, 150,000 francs; zoological laboratories, 630,000 francs; laboratories of physiology and medicine, 576,000 francs; Mme. Curie's laboratory in the Sorbonne, 170,000 francs; French Institute at Beyrout, 300,000 francs; M. König's laboratory, 200,000 francs; industrial science centers, 510,000 francs, and the work carried on by Henri Poincaré, mathematician, 120,000 francs.

COLUMBIA UNIVERSITY will hereafter take over patents arising from discoveries made in its own laboratories. Adoption of this policy is a new departure in the Columbia administrative system, which will protect the inventor and the public and enable the university, by sharing in profits, to promote research. An administrative board of university patents has been established.

THE Friends of Medical Progress, a national lay organization incorporated in Boston, Massachusetts, in 1923 for the purpose of disseminating medical

knowledge among the general public, is contemplating for the year 1925 a greatly extended program of service. Office headquarters, formerly located in Boston, have moved to New York City, 370 Seventh Avenue, where cooperation with the more important educational and health organizations will be facilitated. With the change in location also comes a change in name. The society will hereafter be called the American Association for Medical Progress. Mr. Benjamin C. Gruenberg, well known to workers in the fields of education and public health, will take over the active management of the organization.

## UNIVERSITY AND EDUCATIONAL NOTES

JOHN D. ROCKEFELLER, JR., has contributed the sum of \$1,000,000 towards the \$5,000,000 endowment fund being raised by the Tuskegee and Hampton Institutes.

OVER \$10,000,000 has been pledged to Northwestern University since the beginning of its endowment campaign in 1920.

A BILL authorizing the expenditure of \$370,000 for a medical school building at Howard University, Washington, has been favorably reported from the Senate Committee on public buildings and grounds.

RAFAEL PALMA, a Filipino lawyer, has been elected president of the University of the Philippine Islands.

PROFESSOR L. P. SIEG, head of the department of physics at the University of Pittsburgh, has been appointed dean of the college of liberal arts of the university.

PROFESSOR S. D. SNADER, formerly professor of structural engineering in South Dakota State College, has been appointed professor of structural engineering at the Stevens Institute of Technology, in the place of Frank E. Hermanns, who resigned to give his entire time to his private practice.

DR. GEORGE ALFRED GARRATT, who has been for the past two years in charge of the department of forestry and engineering at the University of the South, Tennessee, has been appointed assistant professor of forest products in the School of Forestry at Yale University.

PAUL D. KELLETER, formerly director of purchases and sales, United States Department of Agriculture, has been appointed director of the extension department of the New York State College of Forestry at Syracuse University. Mr. Kelleter succeeds Mr. Earl S. Peirce, resigned.