

2:00 P. M.—General Meeting, Bellevue-Stratford Ball Room.

Addresses by: Irving Langmuir—"Flames of Atomic Hydrogen." (Illustrated.) Hugh S. Taylor—"Chemical Reactions of Atomic Hydrogen." (Illustrated.) Ernst Cohen—"Caricature in Science." (Illustrated.)

Presentation of Diplomas of Honorary Membership.

8:00 P. M.—Banquet—Bellevue-Stratford Ball Room—In honor of Founder Members, of whom S. A. Goldschmidt, J. B. F. Herreshoff, Adolph Kuttroff, Charles E. Munroe, Wm. H. Nichols and H. E. Niese are living, most of whom will be present.

THURSDAY, SEPTEMBER 9

9:30 A. M.—Divisional Meetings, University of Pennsylvania.

2:00 P. M.—Divisional Meetings, University of Pennsylvania.

8:00 P. M.—Group and Private Dinners.

FRIDAY, SEPTEMBER 10

9:30 A. M.—Divisional Meetings, University of Pennsylvania.

2:00 P. M.—Divisional Meetings, University of Pennsylvania.

SATURDAY, SEPTEMBER 11

Attend Sesqui-Centennial.

THE FIFTH PHILADELPHIA MEETING OF THE AMERICAN ASSOCIATION AND ASSOCIATED SOCIETIES

It is possible at this time to make some statements regarding the preparations for the fifth Philadelphia meeting of the American Association and associated societies. The meeting will open on the evening of Monday, December 27, 1926, and will continue through the following Saturday.

The president for this meeting will be Dr. L. H. Bailey, the well-known leader in botanical and horticultural science. The retiring president, who will deliver an address at the opening session on the evening of December 27, will be Dr. Michael I. Pupin, of Columbia University, who presided at the Kansas City meeting last year. The chairman of the local committee which has charge of general arrangements for the meeting is Dr. C. E. McClung, of the University of Pennsylvania. The secretary of the committee is Dr. Samuel W. Fernberger, of the department of psychology of the University of Pennsylvania. Following is a list of the special subcommittees and their chairmen:

Finance, Mr. W. H. DuBarry
Meeting Places, Dr. G. H. Hallett
Hotels and Housing, Mr. G. E. Nitzsche
Publicity, Dr. Reese James
Exhibition, Dr. W. T. Taggart
Transportation, Mr. Thomas Hart
Entertainment, Mr. G. E. Nitzsche

Correspondence about local arrangements for the meetings of societies that are to meet with the association at Philadelphia should be addressed to the chairman of the local committee, Dr. C. E. McClung, Zoological Laboratory, University of Pennsylvania, Philadelphia, Pa.

The general headquarters hotel for the Philadelphia meeting will be the Bellevue-Stratford. A list of other hotels available for those who will attend the meeting, together with prices, etc., will appear in *SCIENCE* early in the fall.

Reduced railway rates on the usual certificate plan have been secured for most of the United States and it is probable that practically all the United States and Canada will be included in these rates. By this arrangement the railway fare for the trip to Philadelphia and return will be one and one half times the regular one-way fare.

Special emphasis will be placed this year on the public lectures and on the scientific exhibition. There will be a number of scientific lectures primarily for men of science, and also a number of lectures and demonstrations planned for the general public. A statement about the plans for the exhibition has appeared in *SCIENCE* for June 4, 1926. The meeting promises to be a very large one, with practically all lines of science well represented. Twenty-nine of the scientific societies have thus far intimated their plans for meeting with the association at Philadelphia. The scientific sessions will be held mainly in the halls of the University of Pennsylvania, which will be placed at the services of the association. The university and other Philadelphia institutions of learning are to be the hosts for this meeting.

Additional notices and announcements about the fifth Philadelphia meeting will appear from time to time in *SCIENCE* as plans mature. A rather full preliminary announcement of the meeting is to be published in the journal about December 1.

BURTON E. LIVINGSTON,
Permanent Secretary

SCIENTIFIC NOTES AND NEWS

THE University of Wisconsin, at its seventy-third commencement, conferred the doctorate of laws on President Max Mason, formerly professor of mathematical physics in the university, and the degree of doctor of science on Dr. Alfred North Whitehead, professor of mathematics at Harvard University; on Charles F. Burgess, electrochemist and president of the Burgess Laboratory, formerly professor in the university, and on Dr. William Snow Miller, professor emeritus of anatomy.

YALE UNIVERSITY conferred the degree of doctor of laws on President Max Mason and the degree of doc-

tor of science on Dr. Lee de Forest, the inventor, and on Dr. A. R. Dochez, associate professor of medicine at the college of physicians and surgeons of Columbia University.

PRINCETON UNIVERSITY has conferred the doctorate of science on Dr. William Holland Wilmer, director of the Wilmer Institute for Diseases of the Eye at the Johns Hopkins Hospital, and on Owen D. Young, chairman of the board of the General Electric Company.

THE degree of LL.D. has been conferred by the University of Rochester on Dr. Dexter S. Kimball, dean of the college of engineering of Cornell University.

DR. ALICE HAMILTON, associate professor of industrial medicine in the Harvard Medical School, received the degree of doctor of science at the commencement of Mount Holyoke College.

THE degree of doctor of science has been conferred by Wesleyan University on Dr. Henry Sewall, professor of physiology in the University of Denver.

DR. GILBERT GROSVENOR, president of the National Geographic Society, was the recipient of the degree of Litt.D. at the recent commencement of Amherst College. Nellie Barnes Foster, M.D., associate professor of medicine at Cornell University, received the degree of doctor of science.

AT the forthcoming Oxford meeting of the British Association, from August 4 to 11, Professor A. S. Eddington will deliver an evening discourse upon the subject of "Stars and Atoms," and Professor H. F. Osborn one on "Discoveries in the Gobi Desert by the American Museum Expedition."

DR. ROBERT A. MILLIKAN, director of the Norman Bridge Laboratory of the California Institute, has been elected a foreign member of the Göttingen Academy of Sciences.

DR. WILLIAM BOWIE, chief of the division of geodesy of the U. S. Coast and Geodetic Survey and president of the section of geodesy of the International Geodetic and Geophysical Union, has recently been elected to membership in the Norske Videnskapsakademie (Norwegian Academy of Sciences) in Oslo, Norway.

PROFESSOR G. H. HARDY, Savilian professor of geometry in the University of Oxford, has been elected a corresponding member of the Vienna Academy of Sciences.

A JOINT committee representing the Royal Society of Edinburgh, the Royal Physical Society and the Royal Scottish Geographical Society, has made the

first award of the Bruce Memorial Prize to Mr. James Mann Wordie, of St. John's College, Cambridge, for his geological and oceanographical work in Arctic and Antarctic regions.

SIR DUGALD CLERK, K.B.E., well known for his work on the development of the internal combustion engine, has been elected prime warden of the Goldsmiths' Company.

AT the close of the current academic year, Dr. Richard Hawley Tucker will retire as astronomer in the Lick Observatory and professor of astronomy in the University of California. He has held this position for thirty-three years, of which three years, on leave of absence, were occupied with the construction and work of the San Luis Observatory of the Carnegie Institution. He will live for the immediate future at Palo Alto.

HAROLD K. PLANK, formerly associate entomologist in charge of the New Orleans field station of the U. S. Bureau of Entomology, has been appointed to the position of entomologist in the Tropical Plant Research Foundation. He will conduct investigations of the sugarcane moth-stalk borer, with field headquarters at Central Jaronú, Province of Camagüey, Cuba.

DR. W. E. LAWSON, of the E. I. du Pont de Nemours Company, should have been included in the list of Chemical Warfare Service consultants published in SCIENCE.

WALTER GUINNESS, minister of agriculture and fisheries for Great Britain, has appointed Mr. J. R. Jackson, deputy chief veterinary officer of the department, to be chief veterinary officer in place of Sir Stewart Stockman, who died on June 2.

PROFESSOR A. STOCK, of Dahlem, Berlin, has been appointed director of the chemical institute at the Technische Hochschule in Karlsruhe.

LEONOR MICHAELIS, professor at the University of Berlin and recently professor of biochemistry at the University of Nagoya, Japan, has been appointed resident lecturer in research medicine at the Johns Hopkins University and has begun his research work at the Johns Hopkins Hospital.

THE non-resident lecturer in chemistry at Cornell University for the first term of the next university year will be Dr. Fritz Paneth, professor of inorganic chemistry at the University of Berlin. He will present the results of his research and study concerning the "General Significance of Radiochemistry," "Isotopes," "The Periodic System from the Viewpoint of Bohr's Atomic Theory," "The Hydrogen Compounds of the Chemical Elements," "Natural and Artificial Trans-

formation of the Elements" and the "Use of the Radio-Elements as Indicators."

DR. R. J. TILLYARD, chief of the entomological department of the Cawthron Institute, of Nelson, New Zealand, is visiting the United States. Dr. Tillyard spoke recently before the Entomological Society of Washington, at a special meeting in his honor, on the subject of fossil insects; and at a luncheon given to him by some of the men in the Bureau of Entomology, he spoke on the problems of New Zealand in economic entomology.

THE London *Times* reports that Professor Hugh Cabot, professor of surgery in the University of Michigan, is visiting London, taking charge for a fortnight of the teaching of surgery in Sir Holburt Waring's clinic at St. Bartholomew's Hospital and Medical College. Professor Cabot was admitted to a meeting of the council as an honorary perpetual student of St. Bartholomew's Medical College, an honor conferred only once before, when Professor Harvey Cushing had charge of the teaching of surgery in Professor Gask's clinic at St. Bartholomew's in 1922.

PROFESSOR JOHANNES FIBIGER, of Copenhagen, in recognition of his services to cancer research, was entertained by the medical staff of the Cancer Hospital, London, to dinner on June 7. Among those present were Sir Humphry Rolleston, Sir John Bland-Sutton and Professor Muir, of Glasgow.

Nature states that at the anniversary meeting of the Linnean Society on May 27 the presentation to the society by Sir David Prain, on behalf of the subscribers, of a portrait of the general secretary, Dr. Benjamin Daydon Jackson. The portrait, by Mr. Ernest Moore, will commemorate Dr. Jackson's long and helpful association with the society as an officer for a period of forty-six years.

A PORTRAIT, painted by H. A. Nolan, of Dr. Rudolph Matas, professor of surgery in the Louisiana School of Medicine at New Orleans, was presented to the school by his students on June 8.

THE thirtieth anniversary of the first patent of wireless telegraphy was celebrated on June 13 in Bologna by a ceremony in honor of Senator Guglielmo Marconi. This was held at the university, in the presence of Signor Belluzzo, minister of finance; the syndic of Bologna, the representatives of many learned societies and the professors of the university. After a few words by the syndic, Senator Marconi made an address. He concluded by recalling his great teacher, Adolfo Righi, the Bolognese scientist, who made important studies of electric waves. After the ceremony a gold medal was presented to Senator Marconi. The rector also announced that a yearly

prize for the best science student has been instituted under the name of Guglielmo Marconi.

THE Mayor of New York City, Mr. James J. Walker, has addressed a letter to Dr. William T. Hornaday on the occasion of his retirement in which he says: "Your retirement from the service of the City of New York must occasion regret to all thoughtful and appreciative citizens. By your own efforts, however, you have constructed a fitting monument to the intelligence, the efficiency and the fidelity which have characterized your service—I mean the finest zoological park in the world. It is seldom that the opportunity is given to a man to accomplish something that can at the same time captivate the heart of the child and awaken the world-wide admiration of the scientific world. This you have done by your patience, your skill and your devotion to duty. As Mayor of the city I thank and congratulate you on your splendid achievement."

THE permanent secretary of the American Association, Professor Burton E. Livingston, of the Johns Hopkins University, is to be at the Desert Laboratory, Tucson, Arizona, until the end of September. He will be engaged in further studies on the water relations of plants.

DR. ALEXIS CARREL and Dr. Pierre Lecomte du Nouÿ, of the Rockefeller Institute for Medical Research, sailed for France, on June 5.

Professor Paul S. Welch, of the Department of zoology, of the University of Michigan, has returned to America after a sojourn of about ten months in Europe where he visited universities, research institutes, museums and biological stations in England, Scotland, France, Belgium, Holland, Denmark, Germany, Switzerland and Italy.

DR. L. M. MASSEY, of the department of plant pathology of Cornell University, is spending six weeks in the Rocky Mountain Region of the United States investigating some of the problems of smelter injury.

DR. JACOB LIPMAN, of Rutgers University, recently visited Russia for the purpose of inviting a delegation of Russian agricultural experts to attend the International Society Conference on Soil Science, of which he is president, to be held in Washington in the summer of 1927. The American State Department is extending official invitations to representatives of all countries, including Russia, to attend this conference.

DR. PODKOPAYEV, senior physiologist of the Russian Academy of Sciences and director of the Pavlov Institute, is being sent to Sweden and England to lecture on the work of the Pavlov Institute of Leningrad

and on researches in the domain of cerebral physiology.

MME. CURIE is among a party of fifteen French scientists, who sailed on June 26 for Rio de Janeiro and São Paulo, in response to an invitation to the French government extended through the Brazilian Embassy, the object being to give a series of lectures to afford students of Brazil an opportunity to gain first-hand knowledge of French science and art.

DR. DUNCAN S. JOHNSON, professor of botany and director of the laboratory and botanical garden of the Johns Hopkins University, sailed for Jamaica on July 2 to conduct researches on the development of the liverworts, the Myrtaceae, the water moulds and the banana, and on the taxonomy and ecology of lichens and ferns. Dr. Johnson is accompanied by Dr. William Maxon, Professor Charles C. Plitt, Professor J. N. Couch, A. F. Skutch, P. R. White, Mr. and Mrs. Paul Acquarone, M. S. Curtler and G. Duncan Johnson.

THE American Museum of Natural History's Greenland expedition, which will collect rare specimens of marine life, has sailed on the schooner *Effie M. Morrissey* for Etah, Greenland, led by George Palmer Putnam, publisher. Captain Robert A. Bartlett, owner and master of the schooner, was captain of the steamship *Roosevelt* on two of Admiral Peary's North Pole expeditions. Others aboard are the son of the discoverer of the North Pole, Robert E. Peary, Knud Rasmussen, the Danish explorer, who is acting as general adviser; H. E. Raven, zoologist; Ezra Winter, artist; Peter Heinbecker, surgeon; Fren Linekiller, taxidermist, and Van Campen Heilner, ichthyologist.

A GROUP of collectors from the Field Museum, Chicago, sailed from New York on June 19 for Rio de Janeiro, whence they will proceed inland into South America in search of specimens of mineral, animal and plant life. Marshall Field, 3rd, financed the undertaking and Mrs. Grace Thompson Seton is a member of the expedition. The expedition plans to reach Rio de Janeiro on July 1, going directly to the Organ Mountains. The subsequent route includes a visit to São Paulo and into the unknown Parana River region past the Iguazu Falls. Mrs. Seton is official historian and photographer of the party. Other members of the expedition are George K. Cherrie, who accompanied Theodore Roosevelt on his trip along the River of Doubt; B. E. Dahlgren, J. R. Miller and George Peterson, botanical staff; H. W. Nichols, geological expert, and K. P. Schmidt and C. C. Sanborn, specialists in animal collections.

A PROPOSAL for a memorial to Alexander Graham Bell, inventor of the telephone while a professor at

Boston University, in the form of a chair of the science and art of speech at the College of Liberal Arts at Boston University, was presented to a group of fifty prominent Bostonians at a recent dinner in Boston. General John J. Carty, vice-president of the American Telephone and Telegraph Company, was the principal speaker. Senator William M. Butler sent a telegram regretting his inability to be present and pledging \$5,000 for the fund. Ernest G. Howes, a member of the board of trustees, pledged \$5,000, and \$35,000 was pledged by Everett W. Lord, dean of the College of Business Administration, on behalf of the alumni and student body of his department.

THE New York Academy of Sciences has decided to raise a research fund of at least \$6,000 to commemorate the services of Dr. Ralph Winfred Tower, librarian from 1904 to 1926, and secretary from 1917 to 1926, who died on January 26, after a brief illness.

A MEMORIAL was unveiled at Lebanon, Conn., on June 29, to Dr. William Beaumont, the pioneer American physiologist and distinguished member of the U. S. Army Medical Corps. Dr. Beaumont was born in Lebanon, on November 21, 1785.

DR. JOHN HOWLAND, professor of pediatrics in the Johns Hopkins Medical School and pediatrician-in-chief of the Johns Hopkins Hospital, died in London on June 20, after an internal operation performed following a collapse. Dr. Howland was fifty-three years old.

DR. HENRY M. WHELPLEY, dean of the St. Louis College of Pharmacy, secretary of the United States Pharmacopoeial Convention and former president of the American Pharmaceutical Association, died on June 26, at the age of sixty-five years.

DR. C. B. CARTER, research chemist in the Mellon Institute of the University of Pittsburgh, known for his work in leather chemistry, was killed in an accident on the Pennsylvania Railroad, on June 16. He received the doctorate of philosophy from the University of North Carolina on June 16.

LIEUTENANT-GENERAL SIR WILLIAM LEISHMAN, K.C.B., F.R.S., director-general of the British Army Medical Service, died on June 2, aged sixty years.

SIR FREDERICK WALKER MOTT, the distinguished British neurologist, died on June 6 at the age of seventy-two years.

THE death is announced of Professor Nils Gustaf von Lagerheim, professor of botany and director of the Botanical Institute of the University of Stockholm.

A CORRESPONDENT writes: The Consultative Eugenics Committee of Norway has lost one of its most

prominent members by the death of Chr. Collin. Shortly before he died he wrote down his views on the eugenic work to be done, giving support to the Norwegian Eugenic Program, worked out at the Winderen Laboratorium, Oslo.

CHI CHAPTER of Phi Lambda Upsilon, national honorary chemical fraternity, was installed at the State College of Washington on June 5 by J. R. Lorah, of Epsilon Chapter, University of Washington. The new chapter has ten charter members and seven elected members.

ON June 1, one hundred of the leading manufacturers and representatives of the industrial interests of Indiana assembled at Purdue University for the purpose of discussing the relationship of research to the industrial interests of the state. The conference was held at the personal invitation of Mr. David E. Ross, a member of the board of trustees of the university.

THE International Association for Psychology and Techno-Psychology was organized on March 15. Fifteen European countries are represented in the association, the administrative headquarters of which are at Riga, under the direction of Dr. Moeller. In England the association is represented by Professor T. H. Pear, of the University of Manchester, and Dr. C. S. Myers, of the National Institute of Industrial Psychology. The first publication of the association will be "A Survey of the Organization and Position of Techno-Psychology."

THE annual congress of the English South-Eastern Union of Scientific Societies opened on June 5 at Colchester, under the presidency of Mr. Reginald A. Smith, of the British and Medieval Antiquities Department of the British Museum. The union consists of antiquarian, architectural, botanical, geological and natural science societies and photographic, field and rambling clubs. Over seventy societies were represented at the congress. A number of excursions to local places of scientific interest were arranged. The presidential address of the various sections were delivered by Mr. Robert Paulson (botanical section), Mr. E. C. Stuart Baker (zoological section), Mr. S. H. Warren (geological section) and Mr. Alexander Farquharson (regional survey section).

THE Daniel Guggenheim Fund for the Promotion of Aeronautics proposes prizes amounting to between \$150,000 and \$200,000 for inventions increasing the safety of airplanes.

THE Presbyterian Hospital of New York City, affiliated with Columbia University, has received a bequest of the greater part of the residuary estate of

Louis Sherry, restaurateur, said to amount to a million dollars. The fund is to be known as the Bertha Sherry Memorial Fund and is to be used for the benefit of cancer patients.

ACCORDING to the Italian correspondent of the *Journal* of the American Medical Association a Society of Experimental Biology was recently founded at Pavia, with Senator Giulio Fano, professor of physiology at the University of Rome, as president. All Italian devotees of experimental biologic subjects are eligible to membership. The purpose of the society is to promote research in biology. Its headquarters will be in the city where its president resides. In localities in which at least ten members reside sub-chapters will be created. The organ of the new society is the *Bollettino della società di biologia sperimentale*, the president of the society being ex-officio the managing editor. The bulletin will publish the proceedings of the regional and the plenary meetings, and the summaries of the scientific communications, the general reviews and the discussions pertaining thereto.

LEHIGH UNIVERSITY has established two new research fellowships in engineering, founded by an endowment fund created by Mrs. Henry M. Byllesby, widow of the late president of the Byllesby Engineering and Management Corporation, who received his degree in mechanical engineering from Lehigh. Although the subjects to be investigated under the fellowships may be proposed by the president of the Byllesby Corporation, the funds are to be administered and the work directed by the institute of research of Lehigh University. In common with all other activities of the institute, the work will follow lines of pure research and the results will be immediately available to the engineering profession. The two Henry Marison Byllesby Memorial Research Fellowships will be awarded for a period of two academic years, with an annual stipend of \$750 and freedom from university fees.

UNIVERSITY AND EDUCATIONAL NOTES

GIFTS and legacies for the past year reported at the recent commencement of Harvard University amounted to \$6,925,457. This amount does not include receipts in the \$10,000,000 campaign, payment of subscriptions to the Harvard (alumni) endowment fund and certain other income and legacies. The largest single legacy received was \$2,242,616 from the estate of Artemas Ward, which came to the university unrestricted. Next was the bequest of \$700,000 from the estate of Joseph R. DeLamar for the medical school.