

Langstroth. The secretary of that organization, Miss Florence Naile, of Columbus, Ohio, had in the meantime become interested in the life and works of Mr. Langstroth and began a search for further information regarding him. She communicated with every living member of the Langstroth family and among other details she made inquiries regarding his journal, but was always told that it had been lost. By persistent effort she induced his family to make a more extended search for it, with the result that it was finally discovered in an attic in Dayton, Ohio, where he formerly lived.

The book is found to contain innumerable records of observations on the behavior of bees, of which only a small part was published by its author. It records in detail the steps through which his work passed in the invention of the modern bee-hive, and is, in fact, a detailed history of the early stages of the modern science of beekeeping. As has already been recorded in *SCIENCE*, at a meeting held by the Ohio Beekeepers' Association at Medina, Ohio, September 21 to 23, this journal was formally presented to the Beekeeping Library of Cornell University, where it will be carefully preserved and made available to future students of apiculture. It will form the corner-stone of the beekeeping library of the university, which is in large part a memorial to the man whose work has had such wide influence.

### SCIENTIFIC NOTES AND NEWS

THE Pacific Division of the American Association for the Advancement of Science will hold its next annual meeting at Reno, Nev., from June 22 to 25, under the presidency of Professor William A. Noyes, of the California Institute.

THE John Fritz Gold Medal of the American societies of Civil, Mining and Metallurgical, Mechanical and Electrical Engineers for 1927 has been awarded to Elmer Ambrose Sperry, of New York, for the development of the gyro-compass and the application of the gyroscope to the stabilization of ships and aeroplanes. The presentation of the medal will take place at 8:30 on the evening of December 7, in the Engineering Auditorium, 29 West 39th Street, New York, in connection with the annual meeting of the American Society of Mechanical Engineers. At this session President William L. Abbott will deliver the annual address and Mr. Charles M. Schwab, president-elect, will be inaugurated. The medal will be presented by Dr. Frank B. Jewett, chairman of the board that made the award.

DR. ARTHUR H. COMPTON, professor of physics, University of Chicago, has been elected a member of the R. Accademia Nazionale dei Lincei at Rome.

ON his return from a summer spent on Mount Wilson, California, in measuring the speed of light, Professor A. A. Michelson, former head of the department of physics at the University of Chicago, announced that the Michelson-Morley experiment of 1883, upon the negative results of which Einstein based his theory of relativity, would be repeated on Mount Wilson next December.

THE American Mathematical Society has invited Dr. H. B. Williams, professor of physiology at the College of Physicians and Surgeons in Columbia University, to deliver the fourth Josiah Willard Gibbs Lecture. This lecture, entitled "Mathematics and the Biological Sciences," will be given at Philadelphia in connection with the approaching convocation week sessions of the American Association for the Advancement of Science.

DR. F. F. LUCAS, of the Bell Telephone Laboratories, has been awarded the medal of the Royal Photographic Society for his exhibit of high power photomicrographs of metallurgical specimens.

DR. CHARLES J. MARTIN, director of the Lister Institute and professor of experimental pathology in the University of London, and Sir Frederick Gowland Hopkins, professor of biochemistry in the University of Cambridge, have been appointed members of the British Medical Research Council into the vacancies caused, respectively, by the death of the late Lieutenant General Sir William Leishman, F.R.S., and by the retirement of Professor T. R. Elliott, F.R.S.

SIR FREDERICK KEEBLE, Sherardian professor of botany at the University of Oxford, has accepted an appointment with Synthetic Ammonia and Nitrates, Ltd., of Billingham-on-Tees, for the promotion of research in the application of synthetic nitrogen compounds to agricultural purposes.

DR. S. KARRER has resigned his position as chief of the physics division of the Fixed Nitrogen Research Laboratory in Washington, D. C., to become director of the Research Department of the Consolidated Gas, Electric Light and Power Co., of Baltimore.

DR. J. F. T. BERLINER, formerly of the Bureau of Chemistry of the Department of Agriculture, has been appointed to the staff of the Nonmetallic Minerals Station of the U. S. Bureau of Mines, New Brunswick, N. J., for research work on potash.

WALTER S. FROST, who for the past seven years has been assistant professor of chemistry at the University of New Hampshire, has joined the staff of Skinner, Sherman and Esselen, Inc., Boston, Mass.

DR. R. V. ALLISON, chemist and soil biologist for

the Tropical Research Foundation in Cuba, has been appointed soils specialist of the Everglades Substation of the Florida Experiment Station.

PROFESSOR W. M. DAVIS, of Harvard University, will spend October, November and December as a member of the faculty of the graduate school of the University of Texas. He will spend February, March, April and May in a similar position at the University of Arizona. The five weeks between these two engagements he will pass in California, where he will visit Pomona College and make an excursion, with Dr. Levi Noble, of the U. S. Geological Survey, to Death Valley. After leaving Tucson, Professor Davis will take part in the summer session of the University of California, at Berkeley, June 20 to July 30.

DR. BARTON WARREN EVERMANN, director of the museum and of the Steinhart aquarium of the California Academy of Sciences, is visiting eastern aquariums and museums. His itinerary includes Chicago, Detroit, Washington, New York, Philadelphia and other eastern cities. In addition to renewing acquaintances and studying methods, etc., in eastern institutions he proposes to devote some time to the study of the fishes collected by the academy on its recent expedition to the Revillagigedo Islands.

ELLSWORTH P. KILLIP, botanist of the National Herbarium of the Smithsonian Institution, assisted by Albert Smith, left on October 20 on a botanical expedition to Colombia. The expedition will disembark at Cartagena. It will work down the Magdalena River to Puerto Wilches, and then cross over to Bucaramanga and Pamplona near the Venezuelan border.

H. E. WHEELER, curator of the Alabama Museum of Natural History, has been selected by a group of Southern financiers to make a study of the museums of the North and East as a basis for developing those in the South.

DR. GEORGE B. CRESSEY has returned to Shanghai College from his third season's geological work in North China and Mongolia. Physiographic studies dealing with recent climatic changes were carried on in continuation of previous work. Unfortunately the expedition was attacked by brigands near the Great Wall and it was necessary to abandon further work.

DR. F. H. KNOWLTON, of the division of paleobotany of the U. S. National Museum, has completed three months' field work devoted to the paleontology and stratigraphy of various fossil plant areas in the United States.

DR. ALFRED P. DACHNOWSKI, of the Bureau of Plant Industry, U. S. Department of Agriculture, has

returned from a study of European areas of peat. Dr. Dachnowski spent nearly five months abroad, traveling in Ireland, England, Sweden, Finland, Holland, Germany, Czechoslovakia, Austria and Italy.

DR. E. O. ULRICH, associate in paleontology of the U. S. Geological Survey, has completed two months' field work in a study of the Silurian and Devonian stratigraphy of Michigan in cooperation with the Geological Survey of that state.

DR. L. J. WEBER, instructor in metallography in the school of mines at the University of Minnesota, was employed during the summer by the American Body Company, of Buffalo, N. Y., to work on research in connection with the development of methods for welding high strength aluminum alloys such as those of aluminum, magnesium and silicon.

DIAMOND JENNESS, chief of the division of anthropology in the Victoria Memorial Museum, has just returned to Ottawa from a four months' field trip to Bering Strait, Alaska, where he was excavating some of the ancient Eskimo ruins and studying the local dialects in an effort to determine the origin and antiquity of an ancient Eskimo civilization.

DR. E. R. WAITE, director of the South Australian Museum, at Adelaide, is spending a sabbatical year traveling around the world visiting museums and museum workers. He recently spent some weeks at the American Museum of Natural History, New York City.

DR. WILLIAM M. DeVRIES, professor of pathology in the University of Amsterdam; Dr. R. Bierich, director of the Cancer Institute of Hamburg, Germany, and Dr. Archibald Leitch, director of the Cancer Hospital Research Institute, London, visited the Mayo Foundation during the week of October 3.

DR. FRIEDRICH BERGIUS and Professor Franz Fischer, of Germany, and General Georges Patart, of France, expect to attend the International Conference on Bituminous Coal which takes place from November 15 to 19, at the Carnegie Institute of Technology in Pittsburgh.

MME. MARIE CURIE, who has been invited to dedicate a scientific laboratory at St. Lawrence University, Canton, N. Y., will be unable to visit the United States this year. Mme. Curie, who recently returned from a series of lectures in Rio Janeiro, is now in Copenhagen, but will soon return to Paris. Her courses at the Curie Institute open on November 1.

PROFESSOR HERMANN WEIL, of the department of mathematics in the College of Technology, Zurich, gave two lectures on October 7 and 8 at Cornell University on the Goldwin Smith Foundation. Professor

Weil spoke on "Gravitation and Electricity," and "The Rôle of Infinity in Mathematics."

DR. ALEXANDER SAMOILOFF, professor of physiology at the University of Kasan, Russia, on September 30 gave a lecture at the opening meeting of the Physiological Conference at the Harvard Medical School, when he discussed "Characteristics of Spinal Reflex Inhibition."

DR. W. J. HUMPHREYS, of the U. S. Weather Bureau, gave an illustrated lecture on "Atmospheric Optics," at Rochester, N. Y., the evening of October 12, before the Rochester branch of the Optical Society of America.

COLONEL S. LYLE CUMMINS, David Davies professor of tuberculosis, Welsh National School of Medicine, and principal medical officer of the Welsh National Memorial Association, will give the Hermann M. Biggs memorial lecture at the New York Academy of Medicine on October 22. This lecture is given jointly under the auspices of the Medical Society of the County of New York and the New York Tuberculosis and Health Association.

At a meeting of The Mayo Foundation chapter of Sigma Xi on October 11, Dr. Joel Stebbins, director of the observatory, University of Wisconsin, was the speaker of the evening. His subject was "The Light of the Stars."

DR. FRANZ LUDWIG FRIEDRICH ERNST PFAFF, formerly professor of pharmacology and therapeutics at the Medical School of Harvard University, died on September 26, aged sixty-six years.

DR. B. HARRY WARREN, formerly state ornithologist and state dairy and food commissioner, died on October 10, aged sixty-eight years.

DR. HENRY MILTON WHELPLEY, dean of the St. Louis College of Pharmacy and former secretary of the Missouri Pharmaceutical Association, has died at the age of sixty-five years.

THE death is reported from Bologna of Signor Francesco Piola, a professor of the Bologna School of Engineering and vice-president of the Bologna section of the Associazione Electrotecnica Italiana.

DR. J. M. KING, professor of dermatology and electrotherapeutics in Vanderbilt University Medical School, died on October 12, aged fifty-nine years.

DR. CARLOS SPEGAZZINI, of La Plata, Argentina, the distinguished botanist, died on July 1.

THE next meetings of the Federation of American Societies for Experimental Biology will be held in Rochester, N. Y., on April 14, 15 and 16, 1927.

THE 141st regular meeting of the American Physical Society will be held in Chicago, at the Ryerson Physical Laboratory, on Friday and Saturday, November 26 and 27. Other meetings for the current season are as follows: 142. December 27-29, Philadelphia. Annual meeting. 143. February 26, New York. 144. Pacific Coast Section—place not yet determined. 145. April 22-23, Washington. 146. Pacific Coast Section—place not yet determined.

THE trustees and faculty of the School of Medicine and Dentistry of the University of Rochester have issued invitations to a scientific conference on October 25 and 26, which will mark the opening of the school. Dr. John C. Merriam, president of the Carnegie Institution, Washington, D. C., will address a public meeting; Dr. Ludvig Hektoen, Rush Medical College, Chicago, will read a paper on "Recent Investigations in Scarlet Fever, Measles and Tuberculosis"; Dr. Joseph Erlanger, St. Louis, "Analysis of the Action Current of the Nerve," and Professor Friedrich Müller, Munich, will speak in the evening on "The General Pathology of Joint Diseases"; Dr. Theobald Smith, on Tuesday morning, will read a paper on "Immunity, Natural and Acquired, as illustrated by Experiments with *Bacillus Coli* and its Mutants," and Dr. Lewis H. Weed, Baltimore, a paper on the "Problem of the Relation of the Muscle and Nerve." Professor Müller will conduct a medical clinic on Tuesday evening and Dr. Harvey Cushing, Harvard Medical School, Boston, a surgical clinic.

THE thirteenth annual meeting of the New England Agronomists will be held on December 3 and 4 at the Boston City Club. The program will open with a banquet on Friday evening, December 3, after which Dr. E. B. Wilson, chief of the Harvard bureau of vital statistics, will address the agronomists on "Statistical Methods." This address will be followed by a round table discussion. The program on Saturday, December 4, will center around the topic of "Crop Succession," with papers by various members. The annual business meeting and election of officers will be held before the close of the meeting.

THE fifth annual meeting of the American College of Physical Therapy is being held at the Drake Hotel, Chicago, from October 18 to 23, under the presidency of Dr. John S. Coulter, Chicago, and in conjunction with this meeting there will be a Clinical Congress of Physical Therapy.

THE next meeting of the board of National Research Fellowships in the Biological Sciences, of which Professor Frank R. Lillie is chairman, is planned for about the first week in February. The exact date will be published later. Applications for

consideration at this meeting should be received by the secretary, at the National Research Council building, B and 21st Streets, N. W., Washington, D. C., by January 1, but may be sent in at any time prior to that date. This meeting is to care for those persons who can not very well await a decision of the board on their applications until the spring meeting. It is proposed that the second meeting for the year be held about May. Definite information on this will be announced after the February meeting.

DR. ROY CHAPMAN ANDREWS, head of the Central Asiatic Expedition of the American Museum of Natural History, arrived in New York on October 6. Dr. Andrews has been invited by the Royal Geographical Society of London to deliver the opening address before the society on November 8. He will leave New York for England about October 25, and will make a formal presentation of the expedition's geographical results to the society. He also will address the Central Asian Society in London on November 10. Returning to New York, about November 20, Dr. Andrews will spend the winter in America lecturing and will leave for China about March 1, 1927. Members of the expedition who have returned to America or are on their way back are: J. B. Shackelford, photographer; Dr. Mont Reid, surgeon, and Dr. W. D. Matthew, paleontologist. Other members have remained in China to carry on field work. They are: Walter Granger, chief paleontologist, and Nels Nelson, archeologist, who are making a reconnaissance in Southwest China in Yun-nan Province; Clifford Pope, who is collecting fish, reptiles and mammals in Fukien Province; George Olsen, assistant in paleontology, who will collect fossils in Szechwan Province; McKenzie Young, chief of motor transport, who remains in Peking to buy and pack supplies of food and gasoline and start a new caravan into the desert by February 1. He will make a search for the caravan that has disappeared as soon as it is possible to do so.

COLUMBIA UNIVERSITY has announced gifts amounting to \$155,358. These include \$18,000 from the Borden Company for research in food chemistry and nutrition; \$15,000 from the Commonwealth Fund for the psychiatric clinic fund; \$5,000 from the Walker Gordon Laboratory Co. for research in food chemistry and nutrition; \$2,000 from Eli Lilly and Co. for the pernicious anemia fund in the department of pathology; \$1,800 from Mrs. Elsie Clews Parsons for research work in the department of anthropology; \$1,500 from Homer Sargent for research work in the department of anthropology, and \$750 from the E. I. du Pont de Nemours and Company for the maintenance of a fellowship in industrial chemistry.

THE TROPICAL PLANT RESEARCH FOUNDATION has undertaken for the wood industries division of the

American Society of Mechanical Engineers a preliminary research on tropical woods, with special reference to their uses in domestic industries, as substitutes for species of native woods now scarce, or, by reason of approaching exhaustion, of poor quality and unsuitable for the finer products. Major George P. Ahren, of the board of trustees, and Mr. Donald M. Matthews, forester of the foundation, are summarizing the present state of our knowledge of tropical hardwoods and preparing a program of constructive work for the future.

ACCORDING to an announcement by Dr. H. A. Gleason, a curator of the garden, a large number of botanical species hitherto unknown to science have been discovered in classifying a collection of nearly 30,000 plants which the New York Botanical Garden has received from British Guiana. Most of the collection, which outrivals any in Europe except that of the Royal Botanic Garden at Kew, was made and sent to Dr. Gleason by an unlettered Indian, La Cruz, after Dr. Gleason had returned to this country from a trip to British Guiana in 1921.

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## UNIVERSITY AND EDUCATIONAL NOTES

PRESIDENT MAX MASON, of the University of Chicago, reports that the total gifts to the credit of the development fund amount to \$9,253,654. Since June 10, 1926, when the last report was made to the board of trustees, a total of \$243,177 has been pledged.

By the will of the late Mrs. Mary E. Larkin Joline, Barnard College receives the sum of \$110,000. A share, which is expected to amount to about \$100,000, of the residuary estate, is left to Princeton University.

THE cornerstone of the new \$300,000 Charles Rebstock Hall of Biology at Washington University was laid by the donor on October 13.

DR. JOHN H. MACCRACKEN has retired as president of Lafayette College, after serving for eleven years. Donald B. Prentice, dean of the School of Engineering, has been appointed acting president.

EDWARD R. WEIDLEIN, director of the Mellon Institute of Industrial Research, University of Pittsburgh, has announced the appointment of Dr. George Denton Beal, of the University of Illinois, to an assistant directorship of the institute.

DR. A. C. HEILAND, who for the past two years has been connected with Askania Verke, manufacturers of geophysical instruments in Berlin, has been appointed professor and head of the newly established department of geophysics at the Colorado School of