

Hotel Jefferson, will be presided over by Judge George C. Hitchcock, president of the board. The speakers include Dr. A. R. Van Linge, N. V. Nederlandsche, Kininefabriek, Maarssen, Netherlands.

On Saturday visitors will go to the new Missouri Botanical Garden extension to view the orchid collec-

tions. A barbecue luncheon will follow at 1:00 P. M., after which trips will be taken to various parts of the grounds. A bus will leave for the city at 3:00, 4:00 and 5:00 P. M. A reception at the director's residence will be held in the evening from 8:00 to 10:00 o'clock.

SCIENTIFIC NOTES AND NEWS

THE honorary degree of doctor of laws from the University of Manitoba was conferred on Lord Dawson of Penn, physician to King George, and on Lord Moyrihan of Leeds, at the meeting of the British Medical Association in Winnipeg.

DR. MAX PLANCK, emeritus professor of theoretical physics in the University of Berlin, has been elected president of the Kaiser Wilhelm Society for Advancing Science, Berlin, under the control of which are the various Kaiser Wilhelm Institutes.

THE Albert Medal of the Royal Society of Arts has been conferred on Professor H. E. Armstrong for his discoveries in chemistry and his services to education.

ON account of his work in behalf of rheumatic children, Dr. Frederick J. Poynton has been given the first award of the Dawson Williams Memorial Prize of the value of fifty guineas. Dr. Poynton is senior physician to the Hospital for Sick Children, London. The prize represents the interest accruing from collected funds commemorating the work of the late Sir Dawson Williams, editor of *The British Medical Journal*.

DR. E. C. KENDALL, of Rochester, Minnesota, has been elected president of the Association for the Study of Internal Secretions for the year 1930-31.

MR. K. G. MACKENZIE, consulting chemist for The Texas Company, was elected president of the American Society for Testing Materials at its recent thirty-third annual meeting, held at Atlantic City. Cloyd M. Chapman, a consulting engineer of New York, was elected vice-president. The members of the executive committee include F. H. Jackson, Zay Jeffries, H. H. Quimby, G. A. Reinhardt and H. N. Van Deusen.

DR. H. L. RUSSELL, dean of the College of Agriculture of the University of Wisconsin, who recently resigned, will become executive manager of the Alumni Research Foundation of the university.

AT the first meeting of the permanent committee of the International Union of Forest Experiment Stations, M. H. Biolley, forest inspector, of Neuchâtel, Switzerland; Kammerherr von Kalitsch, of Bären-

thoren, Germany, and Henry I. Baldwin, research forester, of the Brown Company, Berlin, New Hampshire, were elected associates of the union.

DR. HERBERT C. HANSON, associate professor of botany and associate botanist in the Colorado Agricultural College, has been appointed head of the college department of botany and station botanist at the North Dakota Agricultural College.

MR. H. NORRIS SHREVE, consulting chemist of New York City, has been appointed to the faculty of the school of chemical engineering of Purdue University. He will take charge of the work in organic technology.

ELEVEN new members of the Texas Technological College faculty have been chosen to replace those who are taking leaves of absence for the year 1930-31. They include Miss Mamie Klett and Paul D. Voth, biology; R. C. Goodwin, head of the department of chemistry of the University of Florida, and C. H. Connell, chemistry; H. H. Pfarr, Ohio University, business administration; Venton L. Doughtie, a graduate of Texas University, electrical engineering, and H. F. Godeke, mechanical engineering.

MR. EDWARD W. GIFFORD, formerly curator of the museum of anthropology at the University of California, has been appointed lecturer in anthropology at the University of Washington.

DR. A. F. SCHALK, head of the department of veterinary medicine and station veterinarian at the North Dakota Agricultural College, has resigned to accept the chairmanship of the newly established department of preventive veterinary medicine in the Ohio State University.

DR. J. A. CARROLL, of Sidney Sussex College, Cambridge, has been appointed to the chair of natural philosophy at the University of Aberdeen.

MR. J. ALFRED HALL, a graduate of the University of Wisconsin, has been appointed plant chemist in the Forest Products Laboratory, Madison, Wisconsin. He goes to Madison from Duke University, where he has been chief chemist of the chemical laboratory established under the Liggett and Myers Research Fellowships since 1928.

MR. PHILIP D. ADAMS, instructor in the department of agricultural and biological chemistry at Pennsylvania State College, has resigned to accept a position as research biochemist at the Skin and Cancer Hospital of Philadelphia.

DR. FRANK D. MOORE, president of the Chicago Chapter of the American College of Surgeons, has sailed for Europe to make a tour of European clinics.

PROFESSOR H. L. BOLLEY, botanist of the North Dakota Agricultural Experiment Station, has been granted a year's leave of absence for a study in South America of flax and other crops.

THE *Experiment Station Record* reports that Clyde McKee, head of the department of agronomy and vice-dean, and John A. Nelson, head of the dairy department, Montana Agricultural College, have been granted leave of absence for one year for study. In their absence A. H. Post, associate professor of agronomy and assistant agronomist, and Glenn C. Sands, instructor in dairy industry, will be acting heads of the respective departments.

DR. WAYNE J. ATWELL, professor of anatomy at the University of Buffalo, has returned from a two months' European trip during which he attended the international Anatomical Congress at Amsterdam and visited a number of anatomical laboratories.

OFFICIAL delegates of the United States to the International Congress of General Mechanics to be held at Liège from August 30 to September 7, 1930, are E. J. Rossback, Chicago, treasurer of the Association of American Engineers in France; T. A. Vander Willigen, Philadelphia, of Humphreys and Glasgow, and Millard Shaler, Portland, Oregon.

THE United States government has accepted an invitation from the French government to participate in the first International Congress on Aerial Safety, which is to be held at Paris from December 10 to 23. The American delegates will be Fayette W. Allport, commercial attaché at Paris; William L. Finger, automotive trade commissioner to Europe; Lieutenant Commander George D. Murray, assistant naval attaché at Paris; Major R. L. Walsh, assistant military attaché for air at Paris, and John J. Ide, technical assistant in Europe of the National Advisory Committee for Aeronautics.

WE learn from the *Journal* of the American Medical Association that visiting lecturers at the School of Tropical Medicine, Porto Rico, for the ensuing year will include Colonel Charles F. Craig, editor of the *American Journal of Tropical Medicine* and director of laboratories at the Army Medical School, Washington, D. C., and Dr. Theobald Smith, formerly

director of the Rockefeller Institute at Princeton, N. J. Dr. Earl B. McKinley, San Juan, director of the School of Tropical Medicine, is spending the summer as visiting professor at the University of Chicago, where he is conducting a course on filtrable viruses and rickettsia diseases.

THE general subject of the Hitchcock Lectures to be given by Dr. John C. Merriam, president of the Carnegie Institution of Washington, at the University of California on September 2, 3, 8, 10 and 11, is "Nature and our Philosophy of Life." The titles of the individual lectures are: "Interpretation of Nature as Influenced by Present-day Science"; "Significance of Evolution to the Individual"; "The Poet as Interpreter of Nature"; "Educational and Spiritual Influence of Nature in its Greater Features," and "Appreciation of Nature in Day-to-day Living."

THE Seventh International Tuberculosis Congress opened at the University of Oslo on August 12. Professor Frölich delivered the opening address. There was a large attendance of French, German, Italian and Americans.

ON October 20, the Biological Club of the University of Minnesota will celebrate its three hundredth meeting. This organization is limited in membership to a small group of workers actively engaged in investigation and teaching in the broad field of the biological sciences. Meetings are held bi-weekly throughout the academic year, and each year some topic of general biological interest is studied, the entire year being spent on intensive study of that phase of biology. We are requested to state that past members of the organization are urged to be present at this celebration.

THE U. S. Civil Service Commission, Washington, D. C., announces the following open competitive examinations: Senior chemist, with an entrance salary of \$4,600 to \$5,400 a year; chemist, \$3,800 to \$4,600 a year, and associate chemist, \$3,200 to \$3,800 a year. Applications must be on file not later than October 1, 1930. The examinations are to fill vacancies in the federal classified civil service in Washington, D. C., and in field branches. Applicants may select as optional subjects any of the following: (1) Advanced inorganic chemistry; (2) industrial engineering; (3) organic chemistry; (4) physical chemistry; (5) physiological chemistry; (6) any other specialized branch of chemistry. Competitors will not be required to report for examination but will be rated on their education, training and experience, and upon published writings or a thesis.

FOR the last four summers, the departments of botany and zoology of the University of Pittsburgh have conducted classes and carried on investigations

at the State Fish Hatchery and at the biological laboratory on Presque Isle, at Erie, Pennsylvania. There has now been organized the "University of Pittsburgh Lake Laboratory," as a department of the graduate school of the university, with Dr. O. E. Jennings, head of the department of botany, as director, and with Dr. S. H. Williams, professor of zoology, as associate director. Most of the activities of the laboratory will be devoted to classes and to investigation during the summer months, but some year-round investigations, such as that of Mr. Gottschall on the phyto-plankton organisms, will also be undertaken. The varied and rich life of Presque Isle peninsula and of the adjacent bay and lake waters offers attractive opportunities for study and investigation.

WE learn from *The Collecting Net* that Dr. William C. Harrington, formerly of the International Fisheries Commission, has joined the staff of the U. S. Bureau of Fisheries at Woods Hole, Massachusetts, to investigate the problem of the changes in the abundance of haddock with special reference to possible depletion.

THE fertilizer department of the Anaconda Copper Mining Company has given \$5,000 to the Montana Agricultural Experiment Station for a study of the value of commercial fertilizer. Mr. I. J. Nygard is in charge of research.

THE State Institute of Public Health of Oslo was formally opened on August 16, Dr. Bally representing the Rockefeller Institute. The institute includes three buildings equipped with the most modern apparatus for the speedy and exhaustive treatment of illness, and with laboratories for research and for dealing with the spread of disease. The whole block of buildings cost about £195,000, of which the state contributed approximately £83,000. With a donation of £61,000 from the Rockefeller Institute, it has been possible to complete the institute. Dr. Wefring, the medical director of the institute, in his opening address referred to the gift, and warmly thanked Dr. Bally not only for the support given by the Rockefeller Institute to the Swedish Institute, but also for the aid he had personally rendered in completing the work. The Tuberculosis Congress was officially closed

recently, and a great part of the members are now making a tour of the country.

By the will of Mrs. Julia Brill Patchett, of Merion, Pennsylvania, the University of Pennsylvania becomes the ultimate beneficiary of a fund of \$300,000.

ORGANIZATION of an administrative council for the Eastman Dental Clinic Foundation, to be established with a \$1,000,000 gift made last year by Mr. George Eastman, of Rochester, has been completed and the inauguration of the foundation for active work was set provisionally for 1932. Balbino Giuliano, minister of education, presided at a meeting of the council which brought praise of the American philanthropist as a great benefactor to humanity. The council includes Professor Amedeo Perna, *president*; Dr. Ugo Frascarelli, director general of the ministry of education; Dr. Gaetano Basile, supervisor of public health; Professor Giovanni Perez, director of the institute of pathological surgery at the University of Rome; Dr. Mario Romanalli, an official of the ministry of finance, and Dr. Enrico Vallerina, of the ministry of education. Professor Aldo Foscheni, architect, is a consulting member.

CONCERN is felt for the future of the Royal Botanic Society because the lease of the gardens in Regent's Park expires in April, 1932. According to the *London Times*, the opinion is expressed that the society may find it impossible to continue. Mr. Henry W. Woodford, the secretary, stated recently that there was no alternative site in London and, although Mr. Lansbury, the first commissioner of works, has said that no doubt provision would be made for carrying on horticultural research work, there was no indication of the way in which it could be done.

THE Alabama Polytechnic Institute and the Bureau of Standards are about to begin a cooperative research on starch at the newly opened chemical laboratories of the institute at Auburn, Ala. This investigation will have to do primarily with the starches found in crops in the South. A study will be made of the uses of starch in the manufacture of textiles, and the properties required in starch for each use. Further, it is planned to determine whether starch from one source is superior to that from another for given purposes, and if specific starches may be modified so as better to adapt them for particular uses.

DISCUSSION

CHEMICAL ACTIVATION OF QUARTZ SURFACES

It is well known that certain classes of filters operate not by straining but by selective adsorption on

exposed surfaces. A yellow gasoline is readily filtered water white with fuller's earth, the yellow coloring matter and other unsaturated hydrocarbons being adsorbed in preference to the paraffins by the acid,