

ALL LABORATORIES OPEN TO SCIENTISTS

Exhibition of Instruments Contributed by Firms Takes Place Today

GUIDES TO DIRECT MEMBERS

This afternoon, the visiting members of The American Association for the Advancement of Science will be afforded an excellent opportunity to inspect the entire Institute plant. From 4 to 6 o'clock, all the buildings will be open and the laboratories will be in operation.

Guides will be available to direct the members to the various places of interest and members of the Faculty and the staff will be in attendance to explain the special features.

In the steam, hydraulic, and compressed air laboratories of the Mechanical Engineering Department, the various types of expansion engines, centrifugal pumps, air compressors, hydraulic rams, channels, canals, etc., will be open for exhibition.

Minerals Shown

In the testing materials and heat treatment laboratories all types of testing machines from capacities of a few pounds to a million pounds will be inspected. Compression, tension, beam, and wire machines are included as well as all types of machines for hardness and resilience tests. The spinners, winders, cards, knitting machines of the textile laboratory are also to be open to the scientists for inspection. Various types of modern machinery will be on exhibition in the vise and bench work laboratory.

Through the courtesy of the Electrical Engineering department exhibition of motors, generators, and transformers, together with various types of electrical measurement apparatus and many forms of electrical research apparatus are also to be shown.

The Mining and Geology Departments will open their rooms and give a general exhibition of minerals, metals and ores. In the Physics Department, apparatus for light measurements, electro-chemical research and electric furnaces, together with the various types of apparatus for heat measurements will satisfy its part of the work.

To Exhibit Instruments

The Department of Chemistry offers its laboratories of organic, inorganic, and industrial research. Elaborate apparatus for the determining of the properties of gases and for the study of crystal structure by the X-ray method will also be afforded.

In room 3-410 will be exhibited scientific instruments and materials contributed by a number of well known firms and institutions. Insulators and other electrical material will be exhibited by the General Electric Company. Optical instruments, microscopes, lens, and geological maps will be under inspection. In the main library of the Institute, there will be displayed a collection of historical scientific books loaned by Professor Louis Derr of the Department of Physics.

BOSTON SOCIETIES TO WELCOME SCIENTISTS

Entertainment and Social Features of Convention Furnished

Many Greater Boston institutions have extended hands of welcome to the delegates and others attending the convention. Many of the scientific and social societies have opened their doors for reception and entertainment during the convention.

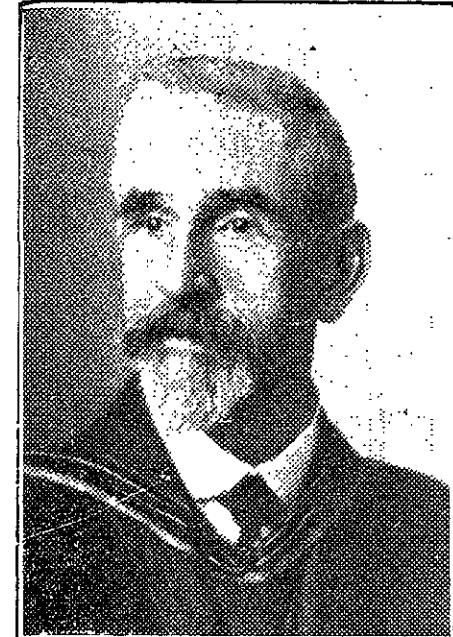
Tea will be served daily at the house of the American Academy of Arts and Sciences and the Council extends a cordial invitation to members of the Association and ladies accompanying them. The College Club will be open during the sessions of the Association and extends the privileges of its drawing rooms and restaurant, at 40 Commonwealth Avenue, to the wives and lady friends of members. The Affiliated Technical Societies of Boston invite all who attend the meetings to make use of their library and reading room at 715 Tremont Temple, Boston.

The Emma Rogers Room will be open every afternoon. Informal tea will be served to all members who desire to drop in for a brief rest between sessions.

The Museum of Fine Arts will be open this afternoon and special guide service will be available. Tea will then be served by the ladies of the Board of Trustees and the Museum Staff. On Friday afternoon special docent service will be available for groups of guests to view many interesting collections. Tea will be served in the Staff room to members of the Association and their guests.

Prof. J. P. McMurrich Succeeds Dr. E. H. Moore as President

James Playfair McMurrich, President of the American Association for the Advancement of Science, is a distinguished biologist of Toronto. He is the second Canadian ever to have been selected for the presidency of the Association. Born at Toronto sixty-three years ago, he was educated at Upper Canada College in that city, where he is now a professor. He was granted the degree of Doctor of Philosophy by Johns Hopkins University in 1885, taught successively at Haverford College, Clark University, the University of Cincinnati, and the University of Michigan, returning to



(Courtesy of Christian Science Monitor) PROF. J. P. McMURRICH

his Alma Mater in 1907, where he is not only professor of biology but chairman of the Board of Graduate Studies. He is a member of the Biological Board of Canada and of many learned societies. Last year the American Association for the Advancement of Science met at Toronto, and it was decided to choose a Canadian for President during the current year. Professor McMurrich's eminence both as a teacher and investigator in the biological sciences led to his election.

Prof. Moore Retiring President
E. H. Moore, head of the Department of Mathematics of the University of Chicago, is the retiring President of the American Association for the Advancement of Science. Pro-



(Courtesy of Christian Science Monitor) DR. E. H. MOORE

fessor Moore was President of the Association in 1921, and according to custom has held throughout 1922 the title of Retiring President. He graduated from Yale in 1883, took his Ph. D. degree there in 1885, studied in Europe for a year, taught at Yale for two years and at Northwestern University for three years, and in 1892 went to the University of Chicago as Professor of Mathematics. He is a contributor to mathematical periodicals in Europe and America, a member of many learned societies, and since 1915 has been Associate Editor of the proceedings of the National Academy of Sciences.

Prof. Prescott '94 Local Chairman
Samuel Cate Prescott '94, Professor of Industrial Microbiology at the Massachusetts Institute of Technology since 1914, is chairman of the local committee for the Boston meeting of the American Association for the Advancement of Science, and as such has carried the heavy responsibility of supervising the innumerable necessary preparations for holding the big convention and taking care of the thousands of delegates.

Professor Prescott was born at South Hampton, N. H., in 1872, graduated from M. I. T. in 1894, and has been associated with the Institute ever since, being promoted through the various academic grades until he attained a full professorship in 1914. For many years he was also instructor

in bacteriology at Simmons College. During the war he was a major in the Sanitary Corps of the Army, and then for a time was Chief of the Division of Dehydration of the Bureau of Chemistry at Washington. In 1919

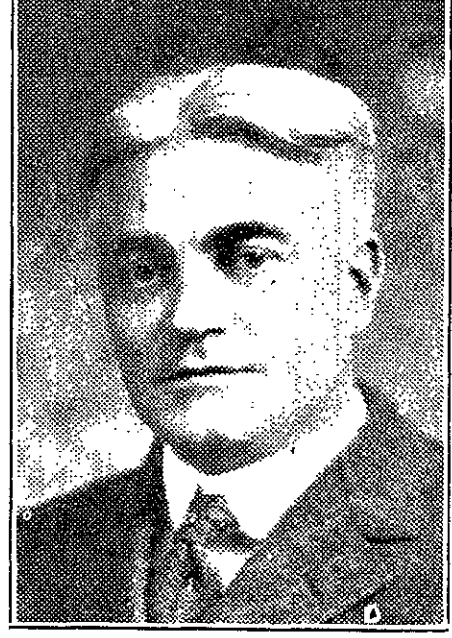


(Courtesy of Christian Science Monitor) PROF. S. C. PRESCOTT

he was chosen President of the Society of American Bacteriologists. He is the author of many papers on bacteriology and industrial biology.

Dr. Burton Edward Livingston has been permanent secretary of the American Association for the Advancement of Science since 1920. As such it is his duty to keep the permanent records of the Association and to assist in the arrangements made by local committees for the annual meetings, giving each local committee the benefit of the experience of its predecessors.

Dr. Livingston is Tonight's Speaker
Dr. Livingston is a distinguished plant physiologist. A graduate of the University of Michigan in 1898, he won his advanced degree of Ph.D. at



(Courtesy of Christian Science Monitor) DR. B. E. LIVINGSTON Who Will Speak at Tonight's Meeting

the University of Chicago in 1902. He taught for a while at Chicago, later became a soil expert in the U. S. Bureau of Soils, for a time did botanical research for the Carnegie Institution, and in 1909 was called to Johns Hopkins University as Professor of Plant Physiology. He still holds this position, and now is also the director of the laboratory at Johns Hopkins for investigations in this subject. He is the author of many scientific works and the inventor of several devices for measuring evaporation, controlling the soil moisture in potted plants, and measuring the water-supplying power of soils. He is a fellow of the American Academy of Arts and Sciences and a member of the National Research Council.

SCIENTISTS AGREE ON EVOLUTION THEORY

(Continued from Page 1)

humanity's search for truth in many fields.

"4. The Council of the Association is convinced that any legislation attempting to limit the teaching of any scientific doctrine so well established and so widely accepted by specialists as is the doctrine of evolution, would be a profound mistake, which could not fail to injure and retard the advancement of knowledge and of human welfare, by denying the freedom of teaching and inquiry which is essential to all progress."

Hawaii Plays Football

The University of Hawaii has organized a football team which played the Universities of Oregon and Nevada last season. Next year their schedule will include the team of Pomona, California. The Hawaiians have also a baseball team.

MUSICAL CLUBS GIVE INITIAL CONCERT

(Continued from Page 1)

The Technology Club of Eastern New York will be the sponsors of the next concert which is to take place at the Mohawk Country Club of Schenectady, tomorrow night. A former member of the Musical Clubs, E. D. Harrington '18, will be in charge of this concert. The members of the Musical Clubs, upon their arrival at Schenectady will be conducted on a tour of inspection of the General Electric Company's plant. About 4 o'clock a few numbers by the Jazz Band and many specialty acts will be broadcasted from station WGY at Schenectady. The Technology Alumni will be hosts to the Musical Clubs at a dinner in their honor in the evening.

The fourth concert will be held at Buffalo where the Technology Club of that city will take charge of affairs, under the direct supervision of W. R. Barker '21, the business manager of Technique 1921, and chairman of the Intercollegiate Conference; and A. J. Browning '22, a former General Manager of THE TECH. A dance lasting until 2 o'clock will follow this concert which is to be held at the Twentieth Century Club House. Again at Buffalo the General Electric Company's river plant will be toured by the members of the Clubs. This plant is connected with the Niagara Power Transmission System, and furnishes power for the city of Buffalo. After this trip the Clubs will luncheon with Mrs. A. B. Potter. At 4 o'clock several specialty acts will be broadcasted. The mem-

bers of the Musical Clubs will be dined by the Alumni of Buffalo. Hotel Utica, in Utica, New York, will be the scene of the next concert under the direction of C. D. Williams '04, and H. D. Williams '12. Like the previous ones, this will be followed by a dance which will last until 1 o'clock. At present it is not certain whether the Clubs will play at Holyoke and Pittsfield on their return to Boston or come through direct from Utica. From their success of last night, however, it is highly possible that the former will be the case.

Many Can Swim at Williams
The results of the swimming tests given to all members of the freshmen class at Williams College show that more than 80% of the men can swim well enough to pass the exam. The test consisted of four events, treading water for one minute, deep and shallow dive, 120-ft. swim any style, and back stroke for 60 feet. Those who did not pass have been organized in classes and are being taught the fundamentals of the art. In addition much swimming talent has been unearthed which is being trained for the varsity swimming team.

Ladies First in Evanston
According to figures made public by Registrar Kerr of Northwestern University, the women students in the College of Liberal Arts have exceeded the male undergraduates in scholarship for the year 1921-22. For the entire senior year they took first place. During the first semester their average was 1.6963, while in the second half year they did better, averaging 1.8507.

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