

manner that they can easily be converted into substantial warehouses and factory buildings.

THE LOWELL LECTURES

EIGHT courses of Lowell lectures on various subjects will begin in Boston on October 18 and will continue until April. Three of the lecturers are from England, one from France and four are from Harvard. The British visitors are Sir Frederick Whyte, K.C.S.I., LL.D., first president of the Indian legislative assembly; George Gilbert A. Murray, LL.D., D.Litt., F.B.A., regius professor of Greek in the University of Oxford, and George Peabody Gooch, M.A., D.Litt., well-known economist and publicist. The French visitor is Charles Diehl, member of the Institute of France and professor in the University of Paris. The Harvard lecturers are E. Leon Chaffee, M.A., Ph.D., professor of physics; William H. Weston, Jr., Ph.D., assistant professor of botany; Professor Roger Bigelow Merriman and Professor Archibald Davison.

The courses concerned with the sciences are as follows:

"Electric Waves"

By E. LEON CHAFFEE, M.A., Ph.D.

- 1.—Characteristics of Wave Motion Illustrated by Water Waves and Sound Waves. Electric Waves. The Electromagnetic Spectrum.
- 2.—Light. Types of Spectra. Absorption. Reflection. Color Phenomena.
- 3.—Infra-Red Light. Ultra-Violet Light. Fluorescence. Phosphorescence.
- 4.—Interference of Light Waves. Diffraction. Polarized Light.
- 5.—X-Rays. Cosmic Rays. Hertzian Waves.
- 6.—Radio Waves. Propagation of Radio Waves. Fading. Short Waves.

Mondays and Thursdays at eight o'clock in the evening, beginning Monday, January 3.

"Certain Diseases of Plants in Relation to Man's Affairs"

By WILLIAM H. WESTON, JR., Ph.D.

- 1.—The General Nature and Activities of Plant Diseases. Their Origin. Their Methods of Spread and the Growth of Our Knowledge and Control of Them.
- 2.—The Potato Blight, its Travels and Devastation in Their Relation to Famines and to Human Migrations.
- 3.—The Bud-rot of Palms, and Certain Scientific and Human Aspects of its Destructive Activities in the Orient and in the West Indies.
- 4.—The Oriental Downy-Mildews of Corn and Related Crops: Their Remarkable Nocturnal Activity, Their Probable Origin and the Problem of Preventing Them from reaching the Western Hemisphere.
- 5 and 6.—Certain Diseases of Sugar Cane and Their Influence on the Growth of the Sugar Industry and the Development of the Tropics.

Tuesdays and Fridays at eight o'clock in the evening, beginning Tuesday, January 13.

"Folk Songs of the British Isles"

By PROFESSOR ARCHIBALD DAVISON

Six lectures illustrated, additional announcement to be made later.

Mondays and Thursdays at eight o'clock in the evening, beginning Monday, April 4.

THE SYMPOSIUM ON CANCER CONTROL

As we go to press the symposium arranged by the American Society for the Control of Cancer is opening at Lake Mohonk, N. Y. The meeting is attended by a hundred specialists in the study of cancer, including sixteen of the leading authorities of Europe, who are guests of the association. The object of the symposium is an attempt to express in concise language the fundamental ground-work of fact and opinion upon which the collective effort now being made in the United States for the control of cancer should be continued and extended.

"The truth is that there are many things which physicians and surgeons can agree upon with reference to cancer, and if these agreements can be expressed in simple, concise and graphic language the results will be of incalculable value. They will be helpful not only to America but throughout the world."

Foreign specialists in attendance include:

Dr. Raffaele Bastianelli, Rome, professor of surgery at the University of Rome.

Dr. Leon Berard, Lyons, director of Anti-Cancer Center of Lyons, professor of surgery at the University of Lyons.

Dr. Robert Bierich, Hamburg, director of Institute for Cancer Control at Hamburg, lecturer on cancer research at Hamburg University.

Sir John Bland-Sutton, Bt., London, president of the Royal College of Surgeons, vice-chairman of the British Empire Cancer Campaign.

Professor Ferdinand Blumenthal, Berlin, director of Cancer Institute at Berlin, professor of Internal Medicine at the University of Berlin.

Professor H. T. Deelman, Groningen, director of the Institute of Pathology and Pathologic Anatomy at the University of Groningen.

Dr. William de Vries, Amsterdam, president of the Netherlands Cancer Institute, professor of pathologic anatomy, University of Amsterdam.

Dr. W. Sampson Handley, London, surgeon to the Middlesex Hospital.

Professor Henri Hartmann, Paris, professor of surgery at the University of Paris, director of Anti-Cancer Center at the Hotel Dieu.

Dr. Archibald Leitch, London, director Cancer Hospital Research Institute.

Professor J. Maisin, Louvain, director of the Institute and Center against Cancer at Louvain, professor at the University of Louvain.

Professor T. Marie, Toulouse, professor in the Medical College of the University of Toulouse, head of the Anti-Cancer Center at Toulouse.

Dr. James A. Murray, London, fellow Royal Society, director of Imperial Cancer Research Fund.

Dr. Claude Regaud, Paris, director Pasteur Laboratory of the Radium Institute.

Professor Gustav Roussy, Paris, director of the Laboratory of Pathologic Anatomy at the University of Paris, director of the Institute for Research and Treatment of Cancer at Villejuif (near Paris).

Dr. Albert Reverdin, Geneva, treasurer and general secretary of the Anti-Cancer Center of Geneva, member of Swiss Anti-Cancer League.

Among Americans who will take part in the meeting are Dr. Howard Canning Taylor, president; Dr. Francis Carter Wood, of New York, vice-president; Dr. Thomas M. Debevoise, secretary, and Dr. Soper, managing director of the society. According to plan, the meetings began on the evening of September 18 with an open session at which a number of popular addresses were made. All sessions were held in the large assembly hall of the Lake Mohonk House on the shore of Lake Mohonk.

Dr. Taylor, president of the society, opened the first formal session by delivering the annual address. Dr. Soper followed with an address on the purpose and plan of the meeting. This was followed by an address of welcome to the foreign guests by Professor William H. Welch, director of the School of Hygiene and Public Health of the Johns Hopkins University, in behalf of the American medical profession.

The reply in behalf of the foreign visitors was made by Sir John Bland-Sutton, Bart., of London.

The members of the conference started on Monday morning for Lake Mohonk from the Hotel Roosevelt and made the trip up the Hudson on a Hudson River Day Line steamer, stopping for lunch at Bear Mountain. From there the party proceeded by automobile to West Point and planned to return by way of Cornwall over the Storm King Highway to Mohonk.

SCIENTIFIC NOTES AND NEWS

THE National Academy of Sciences will hold its autumn meeting at the University of Pennsylvania and the Wistar Institute of Anatomy, Philadelphia, on November 8, 9 and 10.

THE Sixth International Congress of Philosophy held at Cambridge closed on September 16. The seventh congress will be held at Oxford in 1930, under the presidency of Professor J. A. Smith, of the University of Oxford. Lord Balfour and Lord Haldane were elected honorary presidents.

THE fifteenth award of the Willard Gibbs medal of the Chicago Section of the American Chemical Society was made on September 17 to Sir James Colquhoun Irvine, principal and vice-chancellor of the University of St. Andrews, in recognition of his contributions to the knowledge of carbohydrates; the medal has only twice before been awarded to a chemist from abroad, namely, to Dr. Svante Arrhenius and to Madame Curie.

CHARLES EDISON has succeeded his father, Thomas A. Edison, as president of all the Edison companies, which include the Edison Storage Battery Company, the Edison Phonograph Distributing Company, Thomas A. Edison, Inc., and other organizations comprising the Edison industries. Mr. Edison has become chairman of the board of directors.

SAMUEL INSULL, JR., was elected president of the Northern Indiana Public Service Company at a recent meeting of the board of directors. Samuel Insull at the same meeting resigned from the presidency and was elected chairman of the company. Mr. Insull, Jr., has also been elected president of the Midland Utilities Company, to succeed his father, who became chairman of the board.

A. ATWATER KENT, known for his work on radio development, has received from Worcester Polytechnic Institute the honorary degree of doctor of engineering.

DR. R. J. A. BERRY, professor of anatomy in the University of Melbourne, has accepted the Rockefeller Foundation's invitation to visit the United States and discuss the proposed establishment of a medical research institute in connection with the erection of the new Melbourne Hospital.

W. A. MOORE has left the University of Akron, where he served as professor of analytical chemistry for five years, to take up the work of research rubber chemist for the Watson Stabilator Co., Philadelphia, Pa.

M. M. AUSTIN has resigned his position as assistant professor in applied chemistry in the University of Illinois, to become research metallurgist with the Fansteel Products Co., Chicago, Ill.

DR. GEORGE P. MERRILL, head curator of geology in the National Museum under the Smithsonian Institution, has returned to Washington. After attending the Fourteenth International Geological Congress at Madrid, during which he visited the old quicksilver mines in Spain and spent ten days on the Island of Majorca, he made a tour of the principal museums of Europe. These included the museums at Madrid, Paris, Berne, Zurich, Vienna, Prague, Brussels and London.