

fessor of medieval history at Princeton University, has taken for his subject, "The Latin Kingdom of Jerusalem," and will trace its development and decline in eight lectures. Dr. Alexander McAdie, professor of meteorology at Harvard and director of the Blue Hill Observatory, is to speak on "The weather in peace and in war." Another Harvard man, Dr. Reginald A. Daly, chairman of the department of geology and geography, will follow Dr. McAdie with a course on "Our mobile earth." The other two lecturers from Harvard are Dr. Alfred North Whitehead, professor of philosophy, whose eight lectures will be on "Science of the modern world," and Dr. Walter Fenno Dearborn, professor of education, who will discuss in eight lectures "Intelligence tests, their significance and implications."

The subjects of the lectures by Dr. McAdie, Dr. Daly and Dr. Whitehead are as follows:

Our Mobile Earth

A course of eight lectures by Reginald A. Daly, Ph.D., S.D., chairman of the Department of Geology and Geography, Harvard University, to be given Mondays and Thursdays at eight o'clock in the evening, beginning Monday, January 5.

- 1.—Great earthquakes of history.
- 2.—Seismology, the science of earthquakes.
- 3.—Nature of the earth's interior.
- 4.—Mechanism of volcanic action.
- 5.—Distortion of the earth. Warping of the continents. Distribution of land and sea in past time.
- 6.—Mountain ranges. Location, kinds, ages.
- 7.—Mountain ranges. Origin of structure and form.
- 8.—Evolution of the face of the earth.

The Weather in Peace and War

A course of six lectures by Dr. Alexander McAdie, A. Lawrence Botch professor of meteorology in Harvard University and director of the Blue Hill Observatory, to be given Mondays and Thursdays at eight o'clock in the evening, beginning Monday, December 1.

- 1.—Present knowledge of the atmosphere, especially results of recent soundings.
- 2.—Clouds and water vapor in the free air.
- 3.—Lightning and other manifestations of atmospheric electricity.
- 4.—Droughts, floods and seasonal forecasts.
- 5.—The strategy of weather in war.
- 6.—Aerography in the arts and sciences.

Science and the Modern World

A course of eight lectures by Dr. Alfred North Whitehead, professor of philosophy in Harvard University, to be given on Mondays and Thursdays at five o'clock in the afternoon, beginning Monday, February 2.

- 1.—Science and modern civilization. Birth of modern science. Classical and medieval antecedents.

Evolution of the scientific mentality from medieval law, theology and art.

- 2.—Science of the seventeenth century. Galileo to Newton. Bacon, Descartes, Leibnitz. Man and nature. The fundamental generalizations.
- 3.—The eighteenth century and the "victorious analysis." Triumph of Newtonian dynamics. Materialism and empiricism. Prevalence of Greco-Roman influence over that of earlier Greek thought. Rational despots and aristocracies.
- 4.—Science and literature. Pope, Wadsworth, Shelley, Tolstoy, Ibsen, Bernard Shaw. Science and the Greek conception of fate.
- 5.—Civilization and technology. Energy, its conservation and utilization. Sociology and speed. Biology and racial development. From picture-writing to broadcasting. Instrumental design. The nineteenth century.
- 6.—Modern thought. Collapse of the eighteenth century settlement. From matter to electricity. Continuity and atomism. Relativity. Hypotheses.
- 7.—Science, religion and philosophy. From Locke to Bergson. From Galileo to Darwin. The eternal and the transitory. Tradition and progress.
- 8.—Science and education. The places of logic, science, literature, art, knowledge, enjoyment, genius, patriotism and world-citizenship.

THE MILTON FUND FOR RESEARCH OF HARVARD UNIVERSITY

PRESIDENT A. LAWRENCE LOWELL, of Harvard University, has made the following statement regarding the bequest left by the late William F. Milton:

The late William F. Milton left the bulk of his estate to his wife for life, and after her death to Harvard University for the purpose, first, of building a library if the university had no suitable library building, and then "If said fund is not used in constructing and erecting such library building, or if a part thereof remains after such construction, I then hereby authorize and empower said President and Fellows of Harvard College to use the income of said fund, or such income thereof as remain after constructing said library building, from time to time, either in whole or in part, to defray the expenses of any special investigation of a medical, geographical, historical or scientific nature which said Corporation may from time to time desire to make or prosecute in the interests of, or for promoting the physical and material welfare and prosperity of the human race, or to assist in the discovery and perfecting of any special means of alleviating or curing human disease, or to investigate and determine the value or importance of any discovery or invention, or for any other special or temporary object of the nature above stated. . . ." The legacy has now been received by the university, and is expected to yield an income of about \$50,000. The provisional arrangement for its use in the immediate future is as follows:

The Corporation will be glad to receive from any member of the instructing or scientific or administrative staff of the university requests for aid in investigation. Such requests must be received before December 1 next, and must specify the object and nature of the investigation with as much precision as is necessary to judge of its value, the probable length of time it will require, and the expense involved; this last item to include the salary for the proportion of time to be transferred from other duties. The Corporation will appoint each year a committee to advise it in making a selection among the investigations proposed, and in the allotment of income therefor. No allotments will be made for more than two years; but if an investigation proves to require a longer period, the grant may be renewed.

SCIENTIFIC NOTES AND NEWS

THE centennial celebration of the Rensselaer Polytechnic Institute opens at Troy, New York, on October 3. The program, printed in *SCIENCE* for August 29, contains the names of a large number of official delegates from educational institutions, scientific organizations and engineering societies throughout the world, including the following from abroad who will give addresses: President Sir Charles Langbridge Morgan, of the Institute of Civil Engineers of Great Britain; President Henri Abraham, of the Society of Electrical Engineers of France; President Luigi Luiggi, of the Society of Civil Engineers of Italy; Honorary President Roberto Gayol, of the Society of Engineers of Mexico; President Arthur Surveyer, of the Engineering Institute of Canada.

EXERCISES formally inaugurating the Boyce Thompson Institute of Plant Research at Yonkers, New York, took place on September 24 with Dr. John M. Coulter, professor of botany at the University of Chicago, presiding.

DR. HARVEY CUSHING, professor of surgery at the Harvard Medical School and surgeon-in-chief of the Peter Bent Brigham Hospital, Boston, will deliver the dedication address at the opening of the new school of medicine of Western Reserve University on October 9.

DR. S. P. L. SÖRENSEN, of the Carlsberg Laboratories, Copenhagen, Denmark, lectures before the first regular meeting of the New York Section of the American Chemical Society on the evening of October 3, his subject being "The heat of coagulation of proteins." On the following evening, October 4, Professor Sörensen will deliver the first Harvey Society Lecture at the New York Academy of Medicine, on "The solubility of proteins."

THE recent award by the Paris Academy of Sciences of the prix Saintour to Lee deForest was made with the following citation: "inventeur de la lampe a trois electrodes pour les perfectionnements apportés

par lui dans la technique des ondes hertziennes qui ont rendu possible la telephonie sans fil."

DR. KOTARO HUNDA, of the Imperial University, Japan, was made an honorary member of the American Society of Steel Treating at the recent meeting in Boston.

PRESIDENT LUIGI LUIGGI, of the Society of Civil Engineers of Italy, who is visiting the United States on the invitation of the Rensselaer Institute of Technology, was the guest of honor at a luncheon, given by the Italy-American Society at the Bankers' Club, New York City, on September 24.

DR. CHARLES TODD, technical expert to the Egyptian Department of Public Health, has had conferred upon him the insignia of the Second Class of the Order of the Nile by the King of Egypt in recognition of valuable services rendered.

ADDITIONS to the Harvard Observatory include Dr. Georges Lemaitre, of the University of Louvain, Belgium, who will join the staff for a year. Professor B. Gerasimovic, senior observer at the university observatory of Kharkow, Ukraine, will spend some months at the observatory on astrophysical investigations, and Paul Davidovich, of Turkestan and Moscow, also will be at the observatory for part of the year to make investigations.

PROFESSOR DONALD BRUCE has resigned from the University of California to accept the position of chief of forest mensuration with the Forest Service at Washington, D. C.

THE Cushman fellowship in Western Reserve University, recently founded through a gift from the Ferro Enameling Co., has been awarded to Howard Williams, of Ohio.

DR. OTTO HAHN, member of the Kaiser-Wilhelm Institute of Chemistry, has been appointed director of the institute.

THE eighty-fifth birthday of Professor B. Naunyn was celebrated recently. He is still continuing his research on diabetes and gallstones, although he retired from academic work in 1904. He is soon to publish a volume of reminiscences.

DR. OSCAR BREFFELD, professor of botany at the University of Breslau and known for his work on mushrooms, has celebrated his eighty-fifth birthday.

DR. A. B. COX, agricultural economist of the Department of Agriculture, is leaving for a year's study in England, Germany, France and Italy of cotton marketing methods, supply, demand and prices.

SIR WILLIAM JONES, chairman of the research committee of the British Refractories Association, is now on a visit to the United States.