

conservation of natural resources. The aim is to present the economic background of conservation as related to certain of our resources. An immense amount of misapprehension exists about conservation and the measures that have been proposed to secure a better handling of our resources. The scientific men of the country can perform a public service by furnishing the facts regarding our different resources and their relation to the upbuilding of the nation. To bring out such facts, so far as the limitations of the meeting will permit, is the purpose of the symposium to be presented at Boston.

The most precious resource of any nation is a virile, intelligent and healthy population. The conservation of health, of the energy and the working power of the people constitutes the theme of the morning session on December 27. Papers will be presented by Dr. T. S. Baker, of Pittsburgh, Mr. W. F. Chamberlain, of Hartford, and Dr. E. R. Kelley, of Massachusetts.

A second topic closely allied with the foregoing is the building up and maintaining of a strong rural civilization. Problems relating to the home and to home life and to conserving the qualities of the rural population are of great importance. The questions of home economics and of country life, as well as of land settlement under present conditions, will be discussed on the afternoon of December 27, when Section K meets with the Section on Agriculture. The program includes the names of President Kenyon L. Butterfield, of Amherst, Dr. C. F. Langworthy, Dr. Helen W. Atwater and the Honorable F. H. Newell, of Washington.

Forestry is the subject of the session on the morning of December 28, which will be in conjunction with the New England Forestry Congress. There will be brought out some of the important economic facts that call for a vigorous national policy of forestry. The chief forester, Colonel W. B. Greeley, and a prominent member of his staff, Mr. Raphael Zon, will present papers on the national and on the international problems of our timber supplies. Professor R. T. Fisher, of Harvard University,

will discuss certain aspects of forest research, and the state forest commissioner of Massachusetts, Mr. Bazeley, will speak on the subject of a state forest policy.

A series of special topics relating to the conservation of capital and credit and the reduction of waste in industry will form the program in the afternoon of December 28. Mr. H. T. Newcomb, of New York, Dr. R. H. Halsey, of New York, Dr. Frederick L. Hoffman, dean of the advanced department of Babson Institute, Dr. F. B. Gilbreth and Mr. James G. Dudley, of New York, are the speakers.

The session on the morning of the twenty-ninth will be a joint meeting with the Section of Engineers. Problems relating to water resources, power development and flood control will be the general subject, with papers by General Harry Taylor, U. S. Army; Mr. William S. Murray, of New York; Mr. O. C. Merrill, of Washington, and Dr. John T. Black, of Hartford. The conservation of our scenic resources and of wild life constitutes the topic of the session on the afternoon of December 29. The national park problems, with special reference to the present efforts to open them up to commercial use will be discussed by Mr. Robert S. Yard, of Washington. Dr. G. F. Kunz, of New York, will present certain aspects of the practical service of the scenic resources to the public. The conservation of our whale fisheries will be the subject of a paper by Dr. John F. Crowell, of New York.

The chairman of the sessions will be the vice-president for the section, Professor Henry S. Graves, of Yale University. The retiring vice-president is Professor James W. Mavor, of the University of Toronto, who will present on the first day an address on "Certain economic reactions of the war."

The meetings of Section K will for the most part be in Pratt Building, Massachusetts Institute of Technology.

#### RAILWAY TICKETS TO BOSTON

Those who are to attend the approaching Boston meeting of the American Association

for the Advancement of Science will have the benefit of reduced railway rates, as has been previously announced. The reduced rate of a fare and a half for the round trip has been granted by the railway associations representing almost all of the United States and Canada. Those intending to go to Boston for this meeting should state to their local railway agents that they are to attend the Boston meeting of the American Association for the Advancement of Science. They should purchase a single, full fare, one-way ticket to Boston and should secure from the agent a standard certificate. A receipt is not needed. On arrival at the meeting railway certificates are to be deposited at the validation desk in the registration room at the Massachusetts Institute of Technology. A card identifying the certificate will be given out and is to be returned when the certificate is reclaimed. In the meantime, endorsement and validation of the certificates that have been deposited will be cared for. After endorsement and validation the certificate is to be presented at the railway ticket office in Boston and the agent will allow each holder of a certificate to purchase a continuous return trip ticket from Boston to the place of starting, at one half of the regular fare.

It is not necessary for those intending to go to Boston to present to the railway agent when they purchase their tickets any credentials as to membership in the association or societies. Certificates will be endorsed by the American Association for the Advancement of Science for all association members in good standing and also for members of associated societies meeting with the association in Boston, whether or not the latter are also members of the association. Any person having the right to have his certificate validated may also have certificates validated for personal guests, this being limited to members of his immediate family, not including men over twenty-one years of age. Those who have certificates for validation and are not members of the association or societies, nor delegates, nor personal guests, should become associates for the Boston meeting, if they do not care to become members. As all readers of SCIENCE know, a new member pays an en-

trance fee (\$5) and the first annual dues (\$5), while an associate pays the associate fee only (\$5). As far as the validation of railway certificates is concerned, associates are to be treated like members in good standing, and members of associated societies meeting with the association are to be treated in the same way.

## SCIENTIFIC EVENTS

### LOUIS PASTEUR

At the December meeting of the Syracuse chapter of Sigma Xi the following resolutions were adopted:

*Whereas*, On December 27, 1922, will occur the centenary of the birth of Louis Pasteur, whose life was characterized by tireless industry and preeminent achievement in research; and

*Whereas*, These researches conducted on lines of pure science have found remarkable application in many departments of economic and social betterment, culminating in the largest advances in measures of sanitation and consequent conservation of human life; and

*Whereas*, The unsparing devotion of his life to these ends is a challenge and an inspiration to highest emulation; therefore

*Resolved*, That the Syracuse Chapter of Sigma Xi record its high esteem and appreciation of these epoch-making discoveries in pure and applied science, and the life of noble devotion thereto;

*Resolved* further, That with hearty acclaim we join the innumerable company of many lands who gratefully participate in the commemoration of the centenary of his birth and the masterful and enduring achievements of his life.

### THE FRANK NELSON COLE PRIZE IN ALGEBRA

At the time of the retirement, in December, 1920, of Professor F. N. Cole as secretary of the American Mathematical Society and editor of its *Bulletin*, a sum of money was collected from members of the Society by a committee, of which Professor H. S. White was chairman, and was presented to Professor Cole in recognition of his distinguished services through a period of twenty-five years. At the next meeting of the Council, Professor Cole donated this fund to the Society, to be used as the Council might think best. The committee, consisting of