

The effect of the character of the atmosphere on the ignition of coal dust, Chemical composition.
 Miscellaneous sources of ignition of coal dust.
 The obtaining of a measure of fineness of coal dust.
 The efficacy of devices for arresting an explosion after it has traveled some distance. Rock dust barriers.
 The behavior of different coal dusts as regards the propagation of flame.
 Propagation with wetted coal dust.
 The effect of the mode of deposition of dust on the ease of propagation of flame.
 Ignition of firedamp by lamp flames. Addition of helium and chlorinated hydrocarbons.
 The propagation of flame in mixtures of natural gas and air. Field work in large galleries.
 The propagation of flame in mixtures of natural gas and air. Laboratory work.
 The effect of partial distillation of coal on its oxidation.
 Heat production during oxidation.
 Underground communication.
 The charge-limit gas-composition curve for explosives.
 The composition of the products of detonation of explosives.
 The effect of confinement and the nature of the tamping of the charge-limit of explosives.
 Cushioned blasting.

THE ENDOWMENT COMMITTEE OF THE ENGINEERING FOUNDATION AND EN- GINEERING SOCIETIES LIBRARY

At the meeting of Engineering Foundation in New York on May 19, Mr. W. L. Saunders, president of the United Engineering Society, announced that, in response to a request from Engineering Foundation last December and repeated suggestions from the Founder Societies of Civil, Mining, Mechanical and Electrical Engineers, United Engineering Society had appointed an endowment committee to seek increase of funds for Engineering Foundation and Engineering Societies Library.

The personnel of this committee is made up of nominees of the four societies and other members as follows:

Ex Officiis: W. L. Saunders, president, United Engineering Society, *Chairman*; L. B. Stillwell, chairman, Engineering Foundation; Sydney H. Ball, chairman, Library Board.

Nominees of American Society of Civil Engineers: Charles F. Loweth, Chicago, chief engineer, Chicago, Milwaukee & St. Paul Railway; H. deB. Parsons, New York, consulting engineer; Ralph J. Reed, Los Angeles, chief engineer, Union Oil Company.

Nominees of American Institute of Mining and Metallurgical Engineers: D. W. Brunton, Denver, chairman, Board of Consulting Engineers, Moffatt Tunnel; J. V. N. Dorr, president, The Dorr Company (metallurgical, chemical and sanitary process equipment), New York; Thomas Robins, New York, 1 resident, Robins Conveying Belt Co., member, Naval Consulting Board.

Nominees of American Society of Mechanical Engineers: J. W. Lieb, New York, vice-president and general manager, The New York Edison Company; Wynne Meredith, San Francisco, member of firm, Sanderson and Porter; E. A. Simmons, New York, president, Simmons-Boardman Publishing Company.

Nominees of American Institute of Electrical Engineers: Calvert Townley, New York, assistant to president, Westinghouse Electric and Manufacturing Company; H. A. Lardner, vice-president, J. G. White Engineering Corporation, New York; E. Wilbur Rice, Jr., Schenectady, honorary chairman, General Electric Company.

Members-at-large: Charles F. Rand, New York, past-president, American Institute of Mining and Metallurgical Engineers; James H. Perkins, New York, president, The Farmers' Loan and Trust Company, financial adviser and custodian of securities for United Engineering Society; H. Hobart Porter, New York, of Sanderson and Porter, and president, American Water Works and Electric Company.

No hectic "drive" is planned, but an organization is being created to maintain a well-considered and persistent endeavor to get larger financial resources for Engineering Foundation and Engineering Societies Library as their opportunities for service develop.

The committee has had meetings and is studying plans for its work. Further announcements will be made later.

ALFRED D. FLINN,
Secretary

NATIONAL RESEARCH FELLOWSHIPS IN THE BIOLOGICAL SCIENCES

THE Board of National Research Fellowships in the Biological Sciences, at its last meeting on May 14 and 15, made the following additional appointments and reappointments for the year 1926-27:

REAPPOINTMENTS

L. Joseph Klotz—Botany
 Helen Redfield—Zoology
 Lewis E. Wehmeyer—Botany

NEW APPOINTMENTS

Theodora Mead Abel—Psychology
 H. B. Adelmann—Zoology
 Stuart Carter Dodd—Psychology
 C. C. Epling—Botany
 Carroll Lane Fenton—Paleontology
 Dwight L. Hopkins—Biochemistry
 Eugene M. Landis—Zoology
 Margaret R. Murray—Zoology
 R. H. Seashore—Psychology
 George Gaylord Simpson—Paleontology
 E. A. Swenson—Zoology
 R. C. Travis—Psychology
 G. C. Vaillant—Anthropology
 A. M. Wolfson—Botany
 Karl E. Zener—Psychology