

According to the preliminary program, the president's address will be delivered on the evening of August 24 by Dr. L. V. Redman, on "Some Economic Aspects of Research." The address will be followed by the presentation of the American Chemical Society Award in Pure Chemistry to Dr. Oscar K. Rice, and the Priestley Medal to Dr. Charles L. Parsons. Dr. Rice will make an address on "The Theory of Unimolecular Gas Reactions."

Addresses of the secretaries of the divisions which will hold meetings are as follows:

*Agricultural and Food Chemistry:* John H. Nair, Research Laboratory, the Borden Company, Syracuse, New York.

*Biological Chemistry:* J. B. Brown, Department of Physical Chemistry, the Ohio State University.

*Cellulose Chemistry:* John L. Parsons, Hammermill Paper Company, Erie, Pennsylvania.

*Chemical Education:* R. A. Baker, 17 Lexington Ave., New York.

*Colloid Chemistry:* E. J. Miller, East Lansing, Michigan.

*Gas and Fuel Chemistry:* O. O. Malleis, 5557 Woodmont St., Pittsburgh, Pennsylvania.

*History of Chemistry:* Tenney L. Davis, the Massachusetts Institute of Technology.

*Industrial and Engineering Chemistry:* Erle M. Billings, Eastman Kodak Company, Rochester, New York.

*Medicinal Chemistry:* H. C. Hamilton, Parke, Davis and Company.

*Organic Chemistry:* A. J. Hill, Yale University.

*Paint and Varnish Chemistry:* Robert J. Moore, Bake-lite Corporation, Bloomfield, New Jersey.

*Petroleum Chemistry:* F. L. Koethen, Niagara Falls, New York.

*Physical and Inorganic Chemistry:* D. H. Andrews, the Johns Hopkins University.

*Rubber Chemistry:* H. E. Simmons, Municipal University of Akron.

*Sugar Chemistry:* E. W. Rice, National Sugar Refining Company of New Jersey, 129 Front St., New York.

*Water, Sewage and Sanitation Chemistry:* E. J. Theriault, U. S. Public Health Service, Cincinnati, Ohio.

There will be the usual excursions, entertainments and dinners.

### ECONOMIES IMPOSED ON THE U. S. GEOLOGICAL SURVEY

IN response to a request from the editor of SCIENCE, Dr. W. C. Mendenhall, director of the U. S. Geological Survey, has sent the following statement in regard to the effect of the economy bill on scientific workers in the Geological Survey:

The Legislative Branch Appropriation Act for the fiscal year ending June 30, 1933 (Public—No. 212—72nd Congress), includes as Part II the provisions of what

was frequently referred to as the "economy bill." These provisions, taken in relation to the appropriations made for the Geological Survey, will affect the survey and its workers in ways that will not be fully known until certain interpretations, regulations and decisions are announced by the president and other federal officers and agencies.

In general, the effects may be summarized as follows: All the scientific workers (and practically all others) of the survey will this year automatically lose one month's pay by furlough; will perhaps be furloughed for additional periods of duration yet unknown (and some may be dismissed); will permanently have annual leave with pay reduced to 15 days and will receive none this year; will receive no salary promotions this year and will hereafter receive smaller subsistence allowances when traveling. Moreover, of its employees past retirement age, three geologists have been separated, one has been retained and the case of one (the chief geologist) is still pending. The survey, with greatly reduced funds, will operate with a smaller staff and will curtail its field work and other projects.

In more detail, the effects of the several provisions (as now known or possible) may be outlined as follows:

(1) During the present fiscal year every employee receiving more than \$1,000 per annum will be furloughed without pay for the equivalent of one calendar month. The parts of appropriations unexpended by reason of this furlough may not be expended by the survey but will be impounded and returned to the treasury.

(2) All rights to annual leave of absence with pay are suspended during this fiscal year. (Sick leave is not disturbed.)

(3) No "administrative promotions" in salary may be made during the year. (Advancement of an employee from a lower grade to fill a vacancy in a higher grade, if permitted, does not constitute such a promotion, and the salary prescribed for the higher grade may then be paid.)

(4) No vacancy may be filled during the year (except "absolutely essential positions," with the president's approval, and temporary, emergency, seasonal or co-operative positions); the parts of appropriations unexpended by reason of such vacancies may not be expended by the survey but will be impounded and returned to the treasury unless the president waives such impounding because, "in his judgment, such action is necessary and in the public interest."

(5) During the year all persons having reached or reaching retirement age will be separated from the service (even though serving on an "extension"), unless specifically exempted by the president because required by the public interest. Under this provision nine employees of the survey were retired at the close of June 30; these include three geologists—Edward O. Ulrich, Marius R. Campbell and Frank C. Schrader. David White, formerly chief geologist, was exempted by execu-

tive order and continues in the service. Three other employees, including Timothy W. Stanton, the present chief geologist, were exempted for a period of one month to permit further study of their cases and determination as to further exemption or retirement.

(6) Maximum allowances for subsistence while in a travel status have been reduced.

(7) Annual leave with pay has been heretofore possible up to 30 days a year; hereafter it may not exceed 15 days a year but unused parts may be cumulative for any succeeding year. (As already stated, annual leave is entirely suspended during the present year.)

(8) In order to keep within the appropriations during 1933 and yet to avoid dismissing employees, the secretary is authorized and directed to furlough employees without pay for such time as necessary, the higher salaried to be furloughed first wherever possible without injury to the service. Regulations by the president governing such furloughs have not yet been promulgated. The survey's appropriations have been sharply reduced, but as discussed hereafter, under (10), the amount of

such furloughs that may be necessary this year can not now be determined.

(9) The secretary, with the approval of the director of the bureau of the budget, may transfer not to exceed 12 per cent. of any appropriation for the department to any other appropriation for the department; but no appropriation may thus be increased by more than 15 per cent. It is not yet known whether any of the survey appropriations will be thus augmented.

(10) In view of the considerable reductions in the several survey appropriations (ranging from 12.1 to 60 per cent. below the funds for the past fiscal year), projects and field work must be correspondingly curtailed and the payroll reduced. However, until it is known whether the survey will receive any transferred funds as discussed under (9) and whether it can use any of the money saved by vacancies caused by retirements, resignations and deaths, as discussed under (4), it will not be possible to determine how much additional furloughs need be enforced to avoid dismissing employees, as discussed under (8).

## SCIENTIFIC NOTES AND NEWS

DR. EDMUND B. WILSON, Da Costa professor of zoology at Columbia University, has been elected a corresponding member of the Vienna Academy of Sciences.

DR. CARL CORRENS, director of the Kaiser Wilhelm Institute for Biology, Berlin, has been elected a foreign member of the Physiological Society at Lund.

DR. PETER DEBYE, professor of physics at Leipzig, has been elected a member of the Royal Society in Upsala and of the Academy of Sciences (dei Lincei) at Rome.

At a recent meeting of the Linnean Society, London, the following were elected foreign members: Professor Klas Robert Fries, director of the Botanic Garden, Stockholm; Professor Eduard Fischer, professor of botany at the University of Bern and director of the Botanical Institute; Professor Ludwig Jost, director of the Botanical Institute and Gardens, University of Heidelberg, and Professor Emile Topsent, professor of zoology and comparative anatomy, University of Strasbourg. At the anniversary meeting of the society on May 24 the following officers were elected: Professor Frederick Ernest Weiss, *president*; Mr. Francis Druce, *treasurer*; Mr. John Ramsbottom, *botanical secretary*, and Lieutenant-Colonel John Stephenson, F.R.S., *zoological secretary*. The Linnean Gold Medal was awarded to Dr. Edwin Stephen Goodrich, Linaere professor of zoology and comparative anatomy at the University of Oxford.

ARTHUR NEWELL TALBOT, professor emeritus of municipal and sanitary engineering at the University of Illinois, was awarded the Lamme Medal at the

fortieth annual meeting of the Society for the Promotion of Engineering Education held at the Oregon State College.

The first National Achievement Award of the Chi Omega Sorority was conferred on June 27 on Dr. Florence R. Sabin, member of the Rockefeller Institute for Medical Research. The award, in the form of a medal executed by Miss Frances Grimes, was made "in recognition of notable achievement by a woman by other women."

ACCORDING to the *Journal* of the American Medical Association, Dr. Ugo Lombroso, Tunis, and Dr. J. Taboriski, Palestine, have been awarded the International Trachoma Prize of 2,000 Swiss francs, offered by the royal Hungarian minister of public welfare and labor for an essay on the etiology of trachoma. Honorable mention was given to Drs. Cattaneo, Sassari; P. Olitsky, New York; Rotth and Kanyo, Budapest, and C. Trapezontzewa, Moscow.

DR. WILLIAM P. BROOKS, who has been connected with the Massachusetts State College at Amherst since 1889, from 1906 to 1918 as director of the agricultural experiment station, received at the commencement of Amherst College the degree of doctor of agriculture.

FERDINAND N. MENEFEE, professor of engineering mechanics at the University of Michigan, was given the honorary degree of civil engineer at the annual commencement exercises of the University of Nebraska.

DR. MARTIN H. FISCHER, professor of physiology at the University of Cincinnati, received the honorary