

American Institute of Mining and Metallurgical Engineers.—"Pulverized Fuel for Steam Purposes," Martin Frisch and Henry Kreisinger, Combustion Engineering Corporation, New York City; "Pulverized Fuel in Metallurgical Work," W. O. Renkin, Fuller-Lehigh Company, Fullerton, Pa.; "Pulverized Fuel in Marine Works," H. W. Brooks, consulting engineer, New York City.

National Electric Light Association.—"Domestic Heating by Means of Solid Fuel, Oil, Gas and Electricity," H. W. Derry, Union Gas & Electric Company, Cincinnati, Ohio; "Utilization of Electricity for Industrial Heating," W. H. Sammis, Consumers Power Company, Jackson, Mich.

American Institute of Electrical Engineers.—"Utilization of Electricity for Industrial Heating."

U. S. Bureau of Mines.—"Coal Classifications," A. C. Fieldner, Washington, D. C.

THE CURRENT PROGRAM OF THE ILLINOIS STATE GEOLOGICAL SURVEY

THE Illinois State Geological Survey is undertaking the following field and office projects during the current fiscal year beginning July 1, 1928:

The paleobotany and stratigraphy of the Pottsville formation by Dr. David White, in cooperation with U. S. Geological Survey; the paleontology and stratigraphy of the Silurian System by Professor T. E. Savage, of the University of Illinois; the physiography, stratigraphy and paleontology of the Pleistocene System of southern Illinois by Professor Paul MacClintock, late of the University of Chicago, now of Princeton University; the paleontology of the Pennsylvanian System by Dr. J. Marvin Weller, of the state survey staff; the foraminifera of the Pennsylvanian System by Professor C. O. Dunbar, of Yale University, assisted by Mr. L. G. Henbest, of the survey staff; the flora of the coal balls by Associate Professor A. C. Noé, of the University of Chicago; the writing of the new report on the fluorspar deposits of Hardin County by Professor E. S. Bastin, of the University of Chicago; the writing of a comprehensive bulletin on the Illinois Coal Field by Dr. G. H. Cady, of the state survey staff; the writing of the report on the oil and gas possibilities of northern Crawford County by Mr. G. F. Moulton, of the survey staff; the writing of the report on the oil and gas possibilities of the Hardinsville and Sumner quadrangles, by Assistant Professor D. J. Fisher, of the University of Chicago; the economic non-metallic resources of extreme southern Illinois by Mr. J. E. Lamar, of the survey staff, and Mr. C. E. Dutton, of the University of Illinois; the writing of the report on the Monmouth quadrangle and the collecting and interpretation of sub-surface data in the state by Mr. L. E. Workman, of the survey staff; the geology of state highway engineering projects and the writing of the report on the

Kankakee quadrangle by Dr. G. E. Ekblaw, of the survey staff; the geologic mapping of the Illinois portion of the Hardin and Brussels quadrangles by Mr. W. W. Rubey, loaned to the state survey by the U. S. Geological Survey, assisted by Dr. J. R. Ball, of Northwestern University; the geologic mapping of the Winchester and Griggsville quadrangles by Dr. A. H. Bell, of the survey staff; the geologic mapping of the Glasford quadrangle by Dr. A. C. Bevan, of the University of Illinois; the writing of the report on the Havana quadrangle by Dr. H. R. Wanless, of the University of Illinois; and the geologic mapping of the Elgin quadrangle by Dr. M. M. Leighton, chief of the Illinois Geological Survey, and W. E. Powers, of Northwestern University.

Geological assistants, chiefly graduate students, of some of the foregoing parties include H. B. Willman, O. E. Wagner and S. E. Ekblaw, of the University of Illinois, E. R. Fritz and K. W. Stott, of the University of Chicago, and T. A. Hendricks, of Northwestern University.

The State Board of Natural Resources and Conservation, which controls the policies and activities of the state scientific surveys, including the geological survey, recently confirmed the appointment of Curator F. C. Baker, of the museum of natural history of the University of Illinois, as consultant in Pleistocene invertebrate paleontology. Professor Baker is now engaged in a study of the fossil collections from the various interglacial loesses and water laid silts which the survey is making in its Pleistocene and quadrangle studies.

The printing program of the Illinois Survey now includes, in addition to its regular technical bulletins, an educational series of pamphlets for the educated layman and public school pupil, illustrated and written especially for their kind of interest and background.

The topographic mapping of the state under the immediate charge of Major W. H. Herron, topographic engineer in charge of the Central Division of the U. S. Geological Survey, is continuing with the financial support of \$100,000 per year shared equally by the federal and state surveys. The revised topographic mapping of Chicago and vicinity was completed last fall, and the engraved sheets are now being issued in 7½ minute units, vertical interval 5 feet, thus making a remarkable metropolitan map.

DR. SMITH'S COLLECTION OF CHEMICAL MEMORABILIA AT THE UNIVERSITY OF PENNSYLVANIA

As already recorded in SCIENCE, the valuable collection of chemical memorabilia assembled by Dr. Edgar Fahs Smith, who was provost of the University