

cation of highways, forests, rivers, minerals or other data.

This project, sponsored by the California Department of Natural Resources and approved by several government agencies, is now awaiting final authorization from Washington. The first unit of the complete western states map, the California section, is already two thirds completed. Started by the U. S. Forest Service under the direction of H. A. Siedelmeyer, the work is now being carried on by the WPA. Approximately a hundred men are engaged on this section, which has been under construction for the last two years.

If the project is enlarged under federal direction to include the eleven Western States, Mr. Siedelmeyer will be lent by the U. S. Forest Service to take charge of this work.

THE SIXTEENTH EXPOSITION OF CHEMICAL INDUSTRIES

THE sixteenth Exposition of Chemical Industries will be held at the Grand Central Palace, New York City, from December 6 to 11. In addition to the many exhibits of chemicals and chemical products, there will be displays of plant equipment and chemical process machinery of advanced design. Purity and uniformity of product, low cost production and efficiency in the handling of materials will be emphasized and modern methods for meeting the needs of the unit process industries of chemical engineering will be demonstrated.

The exhibits will include general plant equipment and machinery in terms of unit processes of chemical engineering. High vacuum pumps, liquid pumps, compressors and blowers for the chemical industry will be exhibited in the plant equipment section. Bottling equipment will be supplemented by mixing and storage tanks, pumps, filters, mixers, labelers and cappers.

Instruments of precision which safeguard the operation and control of all chemical engineering processes will constitute an important section. Indicating and controlling instruments will include those for temperature, pressure, humidity and the flow of fluids. Other instruments to be displayed are portable and wall-type indicating pyrometers, resistance thermometers, pyrometer controllers, direct reading air velocity meters, industrial thermometers, oil testing instruments, chemical thermometers and hydrometers.

The rôle of metals and alloys in chemical engineering construction and in the processes of industrial chemistry will be represented by comprehensive exhibits of steel and corrosion-resistant alloys, likewise by the non-ferrous metals such as copper, brass and bronze. For those interested in the fabrication of

chemical plant equipment there will be an exhibit to demonstrate the weldability of stainless steels. Other items in the metals section will include tubing for a variety of chemical plant installations, woven wire fabrics, wire rope, cable. Tubing, couplings and valves, in brass, aluminum alloy, steel and nickel will be shown in all sizes for process operations over the complete range of pressure and temperature conditions.

Materials handling equipment will demonstrate the labor-saving features and space-saving advantages attainable in modern warehousing. With the latest equipment, which will be on display, unnecessary handling and rehandling, piling and repiling is eliminated.

ROCKEFELLER TRAVELING FELLOWSHIPS

THE British Medical Research Council has awarded Rockefeller fellowships to the following for the academic year 1937-38:

Dermid Lockhart Cameron Bingham, clinical tutor, Surgical Out-patient Department, Royal Infirmary, Edinburgh.

Eric George Laphorne Bywaters, assistant clinical pathologist, Middlesex Hospital.

Philip Rainsford Evans, registrar, Medical Diseases of Children, King's College Hospital, London.

John George Selater, tutor in clinical medicine, Royal Infirmary, Edinburgh.

Eric Frank Scowen, assistant director, Medical Professorial Unit, St. Bartholomew's Hospital, London.

Charles Herbert Stuart-Harris, Sir Henry Royce research fellow in influenza, London.

Graham William Hayward, resident medical officer, National Hospital for Diseases of the Heart, London.

All the fellows propose to work at centers in the United States. Dr. Stuart-Harris and Dr. Hayward will hold their fellowships under modified conditions, while receiving emoluments from other sources.

In addition, the Rockefeller Foundation has awarded fellowships, on the recommendation of the Medical Research Council, to the following candidates in the special field of psychiatry, neurology and related subjects:

Edward William Anderson, medical director, Cassel Hospital, Penshurst.

Alexander Kennedy, assistant medical officer, Maudsley Hospital, London.

Alan Sutcliffe Kerr, surgical registrar, Royal Infirmary, Liverpool.

Denis John Williams, resident medical officer, Hospital for Nervous Diseases, Maida Vale, London.

Alexander Francis Rawdon-Smith, senior student, Royal Commissioners for the Exhibition of 1851, working