

Agriculture, is fitted into the Department of Commerce among bureaus that serve commerce and industry. The National Advisory Committee for Aeronautics, which has been an active research independent establishment since world war days, is merged with the Bureau of Standards.

REDUCTIONS IN THE FEDERAL BUDGET FOR SCIENTIFIC WORK

IN the budget estimates submitted to Congress on December 5, by President Hoover, many of the scientific bureaus are given reduced appropriations. The following figures, selected by Science Service, show the individual appropriations affected. These cuts are in addition to those covered by the economy legislation passed at the last session.

The Department of Agriculture shows the following decrease: Office of Experiment Stations, \$44,797, which will affect the the work in stations in Hawaii and Puerto Rico; Office of Extension Service, \$12,846, involving cutting down agricultural exhibits at fairs; Weather Bureau, \$92,568 for weather service and research, \$4,200 for horticultural protection, and \$107,835 for supplying information regarding weather conditions to aviation; Bureau of Dairy Industry, \$19,803, which represents the amount appropriated in 1932-33 for completing a nutrition laboratory at the Beltsville, Maryland, experiment station; Bureau of Plant Industry, \$29,185 for cereal crop investigations, \$11,905 for forage crops and diseases, \$10,462 for sugar plant investigations and \$7,950 for western irrigation agriculture; Bureau of Chemistry and Soils, no changes affecting research; Bureau of Entomology, \$4,775 for investigations relating to fruit and shade tree insects, \$4,400 for forest insects, \$10,390 for cereal and forage insects and \$5,820 for household and stored-products insects; Bureau of Biological Survey, \$4,810 for studies of food habits of birds and animals, and the remainder of the \$156,270 decrease for this bureau is planned to be accomplished by delaying purchase of lands and sites for wild bird and wild life refuges.

Bureau of Agricultural Engineering, \$28,603 for engineering investigations; Bureau of Agricultural Economics, \$11,430 for research concerning marketing and distribution of farm products; Bureau of Home Economics, \$4,724 from investigations.

The Bureau of Plant Quarantine, however, is given \$39,501 increase so that additional work may be done in preventing the spread of the pink bollworm of cotton, the gipsy and brown tail moths, and the Japanese beetle. Less money is allowed for preventing the spread of the date scale, the thurberia weevil and the European corn borer—the total sum of these last items amounting to \$85,015, in decreases.

The Bureau of Standards is untouched this year excepting for an increase of \$188,720 to do away with the 1933 administrative furloughs.

The Coast and Geodetic Survey was given an apparent decrease of \$1,239,813, but this sum represents the emergency relief appropriations of 1933.

The Bureau of Mines has \$26,025 less for investigating mine accidents, and \$7,090 less for helium investigations.

The Geological Survey's planned appropriations have been increased by \$399,000, made up as follows:

Salaries, \$15,000; topographic surveys, \$184,000; geological surveys, \$40,000; fundamental research, \$10,000; volcanologic surveys, \$5,000; Alaskan mineral resources, \$5,000; gaging streams, \$70,000; classification of lands, \$10,000; printing and binding, \$20,000; geologic and topographic maps, \$15,000, and mineral leasing, \$25,000.

Increases for international agency expenses recommended for the State Department would include, \$10,000 for the Gorgas Memorial Laboratory; International Institute of Agriculture at Rome, \$5,400, and International Council of Scientific Unions, \$5,042. The last two were not appropriated for in 1933.

It is recommended that the Public Health Service should receive a net increase of \$173,266, but the principal increases are \$220,000 for pay of personnel and maintenance of hospitals and to provide additional facilities in new hospital buildings constructed as a part of the Federal building program and \$55,000 for purchase of equipment for new quarantine stations. Reductions in the force which have been made during the year, however, mean \$34,984 decrease for pay of acting assistant surgeons and \$25,000 has been cut from the estimate for field investigations and \$50,000 from studies of rural sanitation.

The Smithsonian Institution is given certain slight increases in the estimates, mostly for supplies, materials, printing and binding.

UNEMPLOYED CHEMISTS IN NEW YORK CITY

THE New York Committee on Unemployment and Relief for Chemists and Chemical Engineers announces that nineteen colleges and universities will co-operate in research projects to be carried on by unemployed chemists. Columbia, Princeton, New York and Rutgers Universities have pledged laboratory space and materials. Similar cooperation will be extended by a number of hospitals in the metropolitan area. Research workers have been placed in the laboratories of Columbia University and the Medical Center with funds provided by the committee. Other researches will be started as soon as they can be financed.

It is estimated that about 2,000 of the 10,000 chem-