

# SCIENTIFIC EVENTS

## THE POPULATION OF THE UNITED STATES

THE Department of Commerce announces an estimate of the population of the United States made by the Bureau of the Census. This gives a total estimated population of 120,013,000 on July 1, 1928, as compared with 105,710,620 on January 1, 1920. The total is arrived at by estimating the increase since 1920 upon the basis of the available data regarding births, deaths, immigration and emigration. The population of the several states is then estimated by distributing the total increase for the United States upon the basis of the increase by states from 1910 to 1920 or, where there has been a state census, from 1920 to 1925, except that where there was a decrease between 1910 and 1920 or between 1920 and 1925, the 1920 or 1925 census figure is retained, and no estimate is made:

	Census Jan. 1, '20	Estimated July 1, '28
United States .....	105,710,620	120,013,000*
Alabama .....	2,348,174	2,573,000
Arizona .....	334,162	474,000
Arkansas .....	1,752,204	1,944,000
California .....	3,426,861	4,556,000
Colorado .....	939,629	1,090,000
Connecticut .....	1,380,631	1,667,000
Delaware .....	223,003	244,000
District of Columbia.....	437,571	552,000
Florida .....	968,470	1,411,000
Georgia .....	2,895,832	3,203,000
Idaho .....	431,866	546,000
Illinois .....	6,483,280	7,396,000
Indiana .....	2,930,390	3,176,000
Iowa .....	2,401,021	2,428,000
Kansas .....	1,769,257	1,835,000
Kentucky .....	2,416,630	2,553,000
Louisiana .....	1,798,509	1,950,000
Maine .....	768,014	795,000
Maryland .....	1,449,661	1,616,000
Massachusetts .....	3,852,356	4,290,000
Michigan .....	3,668,412	4,591,000
Minnesota .....	2,387,125	2,722,000
Mississippi .....	1,790,618	1,790,618†
Missouri .....	3,404,055	3,523,000
Montana .....	548,889	548,889‡
Nebraska .....	1,296,372	1,408,000
Nevada .....	77,407	77,407†
New Hampshire .....	443,083	456,000
New Jersey .....	3,155,900	3,821,000
New Mexico .....	360,350	396,000
New York .....	10,385,227	11,550,000
North Carolina .....	2,539,123	2,938,000
North Dakota .....	646,872	641,192§
Ohio .....	5,759,394	6,826,000
Oklahoma .....	2,028,283	2,426,000
Oregon .....	786,389	902,000

Pennsylvania .....	8,720,017	9,854,000
Rhode Island .....	604,397	716,000
South Carolina .....	1,683,724	1,864,000
South Dakota .....	636,547	704,000
Tennessee .....	2,337,865	2,502,000
Texas .....	4,663,228	5,487,000
Utah .....	449,396	331,000
Vermont .....	352,428	352,428†
Virginia .....	2,309,187	2,575,000
Washington .....	1,356,621	1,587,000
West Virginia .....	1,463,701	1,724,000
Wisconsin .....	2,632,067	2,953,000
Wyoming .....	194,402	247,000

\* Provisional estimate data regarding births, deaths, immigration and emigration from 1927 to 1928 not being available.

† Population, January 1, 1920; decrease 1910 to 1920.

‡ Population, January 1, 1920.

§ Population, State Census, 1925.

## APPROPRIATIONS BY THE COMMON-WEALTH FUND

THE board of directors of the Commonwealth Fund at their February meeting appropriated \$358,438 for the fund's rural hospital program. During the last two years five awards have been made under this program for hospitals in Farmville, Va.; Glasgow, Ky.; Farmington, Me.; Beloit, Kans., and Wauseon, Ohio. In each case the Commonwealth Fund provides two thirds of the cost of construction and equipment, while the community pays the remainder of the cost and assumes the expense of operation.

At the same meeting \$27,000 was appropriated for fellowships in psychiatry at the University of Colorado Medical School. Six such fellowships, each with a stipend of \$4,500 for two years' study, will be offered to graduates of class A medical schools who intend to specialize in psychiatry. The University of Colorado, in affiliation with the Colorado Psychopathic Hospital, which was opened three years ago under the direction of Dr. Franklin Ebaugh, is regarded as offering unique opportunities for the training of psychiatrists in that part of the country.

Five three-year fellowships for psychiatrists at the Henry Phipps Psychiatric Clinic, under the direction of Dr. Adolph Meyer, the Johns Hopkins University, Baltimore, were also provided for with a grant of \$45,000.

A grant of \$4,750 for operating expenses was made to the New York City Committee on Mental Hygiene with a possibility of renewal for two subsequent years. This committee was organized in May, 1927, as one of the local branches of the New York State Committee on Mental Hygiene affiliated with the State Charities Aid Association. Dr. C. Floyd Haviland, superintendent of the Manhattan State Hospital, is chairman

of the committee and Mrs. Sydney C. Borg, of the Jewish Board of Guardians, is vice-chairman. The committee will function as the mental hygiene section in the health division of the Welfare Council of New York City and it expects to develop a unified mental hygiene program for New York City.

Other appropriations made at the February meeting included \$10,000 to the National Probation Association for the further development of its field service department; \$15,000 to the Foreign Language Information Service; \$3,800 for the cardiac clinic of the Johns Hopkins University Hospital, and \$2,000 for scholarships at the Southern Pediatric Seminar. The latter grant renews one of the same amount made for the summer of 1927, under which 35 scholarships were awarded to physicians from six southern states to attend this seminar, which is held for two weeks each summer in Saluda, N. C., in order to enable general practitioners to gain further clinical information concerning methods of diagnosis, treatment and prevention of children's diseases.

At the preceding meeting of the board of directors of the Commonwealth Fund, held in December, the following appropriations were made: For the child health program of the Commonwealth Fund, \$230,000; for projects in legal research to be conducted by the law schools of Chicago, Yale and Harvard Universities, \$25,000; for surveys of rural health work, under the direction of the Committee on Administrative Practice of the American Public Health Association, \$22,500; to the National Conference of Catholic Charities for a study of child-caring homes, \$16,500; for a two-year study of encephalitis cases at the Pennsylvania Hospital, \$10,000; for the general budget and the department of institutional care of the Child Welfare League of America, \$10,000; for the cardiac work of the New York Tuberculosis and Health Association, \$7,500.

#### THE FOURTH PACIFIC SCIENCE CONGRESS

ANNOUNCEMENT has recently been made that the fourth Pacific Science Congress, sponsored by the Pacific Science Association, will be held under the auspices of the Netherlands Indies Pacific Research Committee in Batavia and Bandoeng, Java, from May 16 to 25, 1929.

The program for the congress will be organized in three divisions, including physical sciences, biological sciences and agricultural sciences, the latter group having been added to the major divisions recognized at earlier congresses because of the dominating economic and scientific interests of agriculture in the colonies of the Netherlands Indies. As in the previous congresses most of the sessions of the divi-

sions will be given over to symposia upon selected problems.

Papers for these symposia are invited from American scientists upon any important scientific problems pertaining to the Pacific region in these three general fields. The plan for organizing the program for the congress contemplates requesting men who are competent to speak upon the scientific problems of the region to summarize groups of related papers offered and to present briefly at these symposia a coordinated review of these contributions, in order to relate each group of papers to its problem as a whole and preserve as large an opportunity as possible for discussion. Abstracts, in duplicate, of all papers offered for the program of the congress should be in the hands of the first general secretary of the congress, Dr. H. J. Lam, Botanical Gardens, Buitenzorg, Java, by January 1, 1929, and the complete papers, also in duplicate, should be forwarded to Dr. Lam as soon as practicable after that date, so as to permit adequate consideration of the papers in the preparation of the program.

For several days both before and after the period of the scientific meetings, excursions have been planned which will make it possible for visiting scientists to see many things in Java which are of particular scientific significance, as well as the scenic features of the island and its agricultural developments.

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NATIONAL RESEARCH COUNCIL

#### AWARD OF FELLOWSHIPS BY THE GUGGENHEIM FOUNDATION

FELLOWSHIPS of an aggregate value of \$173,000 have been awarded by the John Simon Guggenheim Memorial Foundation to seventy-five young American scholars, scientists and artists. The usual stipend, \$2,500, for one year, will enable the beneficiaries to spend all or part of the coming year in study and research abroad.

The following is a list of awards in the field of science:

Dr. Willem Jacob Luyten, assistant professor of astronomy at Harvard University: to photograph the southern sky with the Bruce telescope of the Harvard Observatory at Mazelspoort, South Africa, with a view to comparing these plates with similar plates taken between 1896 and 1905 to obtain information concerning the numbers, velocities and intrinsic brightnesses of the stars in the neighborhood of the sun.

Dr. Otto Struve, assistant professor of astrophysics at the University of Chicago, a theoretical study of the distribution and physical properties of diffuse matter in