

when there is planned a discussion of the problems and the future of liberal arts education. The first classes in the College of Literature, Science and the Arts were held on September 25, 1841. A full day's program has been planned for the centennial. Dr. Edward H. Kraus, dean of the college and chairman of the committee, is in charge of the celebration.

The morning session will be devoted to addresses on the development and achievements of the college by present members of the faculty. In the afternoon, several distinguished speakers will discuss the problems and the future of liberal arts education in the United States.

Dr. Jesse S. Reeves, William W. Cook professor of American institutions, will open the morning session with an address on the general development of the college. Achievements of the college in language and literature will be discussed by Professor J. G. Winter; achievements in science, by Professor A. F. Shull, and achievements in the arts and social sciences, by Professor A. E. R. Boak.

The afternoon speakers will be: Dr. Marten ten Hoor, dean of the College of Arts and Sciences, Tulane University; Dr. George Clarke Sellery, dean of the College of Letters and Science, University of Wisconsin; Henry Allen Moe, secretary-general of the Guggenheim Memorial Foundation, and Judge Florence Ellinwood Allen, of the U. S. Circuit Court of Appeals.

The celebration will be concluded with a convocation, at which the principal speaker will be Dr. James Rowland Angell, president-emeritus of Yale University, previously professor of psychology at the University of Chicago, at present educational counselor of the National Broadcasting Company, an alumnus of the University of Michigan.

CELEBRATION AT RUTGERS UNIVERSITY

DURING the past academic year Rutgers University has been celebrating the one hundred and seventy-fifth anniversary of the founding of Queen's College in 1766. A series of convocations, at which lectures in seven different fields of learning have been given, were concluded in April. Lecturers and their subjects were as follows: William T. McLeery, journalism; Wesley C. Mitchell, economics; Karl K. Darrow, physics; Wheeler McMillan, agriculture; Harold W. Thompson, American folklore; F. R. Moulton, astronomy, and J. O. Perrine, engineering.

The closing exercises of the celebration will be held on October 9, 10 and 11 and will consist of a series of addresses and symposia in four fields of learning. They will "provide opportunities for scholars to discuss and correlate present knowledge and to consider subjects for future research."

All students and scholars who can benefit from the

meetings are cordially invited to attend. Invitations are now being sent to teachers and research workers in colleges, universities and institutions of the United States and Canada. Those not receiving such an invitation may write directly to the One Hundred and Seventy-fifth Anniversary Celebration, Rutgers University, New Brunswick, New Jersey, for information.

The provisional program in science is as follows:

October 9—Applied Science I—Address by Karl T. Compton, "Scientists Face the 1942 World."

Applied Science II—Symposium—Vannevar Bush, "The Case for Biological Engineering," and Robert W. Trullinger, "The Case for Agricultural Engineering."

October 10—Natural Science I—Address by Hugh Stott Taylor, "Fundamental Science from Phlogiston to Cyclotron."

Natural Science II—Symposium—Irving Langmuir, "Films in Chemistry and Biology," and Ernest O. Lawrence, "Nuclear Physics and Biology."

The final anniversary convocation will be held on October 11, at which Clarence Dykstra will deliver an address and honorary degrees will be conferred. Various social events have been planned for the evenings and for Saturday afternoon.

HONORARY DEGREES RECENTLY CONFERRED ON SCIENTIFIC MEN

DR. JOHN H. NORTHRUP, of the Rockefeller Institute for Medical Research, Princeton, N. J., received on June 8 the doctorate of science from Rutgers University.

At the commencement exercises of the Polytechnic Institute of Brooklyn an honorary degree was conferred on Dr. Vannevar Bush, president of the Carnegie Institution and chairman of the National Defense Research Committee.

DR. CARL E. LADD, dean of the New York State Colleges of Agriculture and Home Economics at Cornell University, received the degree of doctor of laws at the commencement exercises of the University of Maine.

HAVERFORD COLLEGE on June 7 conferred the degree of doctor of laws on Herbert Hoover, formerly president of the United States. Mr. Hoover gave the commencement address.

PURDUE UNIVERSITY on June 8 conferred the degree of doctor of laws on Secretary of Agriculture Claude R. Wickard, who is an alumnus of the university.

BETHANY COLLEGE, West Virginia, at its hundredth commencement on June 9, conferred the doctorate of laws on Dr. Herbert E. Hawkes, professor of mathematics and dean of Columbia College.

AMONG degrees conferred by Union College were the doctorate of laws on Philip Dunham Reed, chairman of the board of directors of the General Electric Company

and senior consultant of the priorities division of the Office of Production Management, and on Edward R. Stettinius, Jr., director of the priorities division of the Office of Production Management.

At the commencement exercises on June 8 of the Iowa State College, the degree of doctor of laws was awarded to Robert Emery Neff, superintendent of hospitals for the State University of Iowa, for "outstanding work in the field of hospital administration." Henry J. Brunner, of San Francisco, received the Marston Medal in recognition of his contribution to the structural safety of buildings and bridges of the Pacific Coast—particularly the San Francisco-Oakland Bridge.

THE doctorate of science was conferred at the commencement of New York University on Dr. John Joseph Morehead, consulting surgeon of the New York Post-Graduate Medical Hospital, and on Dr. George Barelay Wallace, professor of pharmacology and therapeutics and director of the pharmacological laboratories of the New York University College of Medicine. The doctorate of public health was conferred on Dr. William Edgar Caldwell, professor of clinical obstetrics and gynecology at Columbia University, and on Dr. Frederick Clark Holden, professor emeritus of obstetrics and gynecology in the New York University College of Medicine.

DEATHS AND MEMORIALS

DR. OWEN LOUIS SHINN, professor of applied chemistry at the University of Pennsylvania, died on June 10 at the age of sixty-nine years. He had been associated with the university as a student and faculty member for more than fifty years.

DR. SIDNEY ARMOR REEVE, of New York City, con-

sulting engineer, retired, from 1898 to 1916 professor of steam and hydraulic engineering at the Worcester Polytechnic Institute, died on June 12 at the age of seventy-five years.

CHARLES WHITING BAKER, consulting engineer, retired, since 1911 commissioner of the Palisades Interstate Park, died on June 5 at the age of seventy-six years.

LORIN EVERETT IMLAY, electrical engineer, director of statistics of the Niagara Hudson Power Corporation, who was associated with the Pioneer Tunnel Power Development at Niagara, died on June 10. He was seventy-six years old.

DR. JULIUS FRIEDENWALD, professor emeritus of gastro-enterology at the Medical School of the University of Maryland, a member of the faculty for more than forty years, died on June 8 at the age of seventy-four years.

DR. WILBUR HARRINGTON NORCROSS, professor of psychology at Dickinson College, Carlisle, Pa., died on June 11. He was fifty-eight years old.

LELAND MASON WILLEY, purchasing agent and accountant for the General Electric Company, Schenectady, N. Y., died on May 21 at the age of fifty-eight years.

IN memory of Professor Louis H. Pammel, whose death in 1931 ended a period of forty years of service in Iowa State College, a tract of woodland in the college grounds was dedicated on June 7 as Pammel Park. Preserving the natural beauty of the land, it will especially commemorate Mr. Pammel's zeal and devotion in the cause of conservation throughout the state.

SCIENTIFIC NOTES AND NEWS

DR. FREDERICK WHARTON RANKIN, surgeon, of Lexington, Ky., was elected at the Cleveland meeting president of the American Medical Association.

DR. WALTER S. LANDIS, vice-president of the American Cyanamid Company, has been elected president of the Chemists' Club, New York. Dr. Edward A. Dieterle, consulting gas and chemical engineer, has been elected president of the Chemists' Club, Chicago.

NATIONAL officers of the American Association of Scientific Workers for 1941-1942 have been elected as follows: *President*, Professor Anton J. Carlson, University of Chicago; *Vice-presidents*, Professor C. Fayette Taylor, the Massachusetts Institute of Technology; Watson Davis, Science Service; Professor Ralph W. Gerard, University of Chicago; Professor Edward C. Tolman, University of California at

Berkeley; *Treasurer*, Professor H. Burr Steinbach, Columbia University; *Secretary*, Dr. Harry Grunfest, Rockefeller Institute for Medical Research. In the Chicago branch, the new officers are: Professor R. W. Gerard, *president*; Professors R. S. Mulliken and E. S. G. Barron, *vice-presidents*; Professor B. F. Miller, *president-elect*; Dr. Zelma Baker, *recording secretary*; Dr. Albert Dorfman, *corresponding secretary*; M. Silver, *treasurer*. The new officers of the New York branch are: Professor Walter Rautenstrauch, *chairman*; Dr. Oscar Bodansky, *treasurer*; Miss Doris P. Flavelle, *secretary*.

THE Revere Award of \$5,000 has been given to Eugene Phillips in recognition of his invention of a blind-landing system for aeroplanes. The award was presented to him at a dinner given in his honor on