age and similar activities. He believed, however, that "To go further than this and attempt to coerce in the management of land, as is often suggested, is of doubtful expediency. . . . One thing is certain, agriculture can not be hampered by any form of gigantic administrative machinery, governmental or private." To the end he believed in individual initiative and self-reliance as the primary conditions of success. He expressed these views to me in his home only a few months before he died.

Dean Davenport also had pronounced views on the international situation. In an article written for the United States Boys' Working Reserve during the World War, he wrote: "Unless we win this war, all the world will work for Germany. She has a definite plan for the conquest of the earth, a piece at a time, and whosoever she conquers will be bled white. . . . Germany has been getting ready for this war for forty years." He quotes Bismarck as saying, "For a hundred years war must be the chief industry of Germany, and every war must pay for itself with a profit." So the dean goes on to remark, "Germany has threatened to bleed France and England and America, and so she will in good time if she comes out of this war with her army." These words might have been written in 1940 instead of 1917.

Dean Davenport did not limit his interest to education and agriculture. He was interested also in the fine arts and the proper use of leisure. Once in a while he emphasized his interest in the latter by taking extensive tramps with his family in various parts of our western land. "Vacation on the Trail" is a delightful story of their experiences in high mountain trails and a fine illustration of a good use of leisure.

Broadminded, liberal in his views, always courteous, helpful in his attitude, sound in his judgment and devoted to his ideal of duty, he was a tower of strength in the University of Illinois and the agricultural circles of our country. His influence will last down through the years.

DAVID KINLEY

URBANA, ILL.

RECENT DEATHS

DR. GEORGE ELLETT COGHILL, member of the Wistar Institute of Anatomy, Philadelphia, where he was from 1925 to 1935 professor of comparative anatomy, died on July 23 at the age of sixty-nine years.

FREDERICK WILLIAM HEHRE, head of the department of electrical engineering at Columbia University, died on July 27.

THE *Journal* of the American Dental Association reports the death of Dr. Robert Boyd Bogle, Nashville, on May 25; Dr. Edward Jay Tinker, Minneapolis, on May 8, and Dr. John Albert Marshall, San Francisco, on May 7.

PROFESSOR THOMAS GIBSON died at Kingston, Ontario, on July 2 at the age of seventy-five years. At the time of his death he was professor of the history of medicine and earlier was professor and head of the department of pharmacology of Queen's University, Canada.

SCIENTIFIC EVENTS

AMERICA AND BRITISH SCIENCE

DR. H. H. DALE, director of the National Institute for Medical Research, London, and president of the Royal Society, has sent the following communication to *The British Medical Journal:*

Some of your readers may have seen my letter to the *Times* of June 20, on the generous gifts recently made to the Royal Society by scientific societies of the United States of America—an earlier one of $10,000 from the American Philosophical Society "for the aid of science in Britain," and now, last week, a gift of $5,000 from the American Physiological Society "for the support of scientific publications in Britain, especially in physiology."

A natural and helpful comradeship between medical men of different countries has always been at least as strong among the physiologists as among those whose work is in other branches of medical science or practice. Certainly we British physiologists are on terms of sufficient intimacy with our American colleagues to know well that the American Physiological Society, like our own, depends for existence and support on the efforts and the contributions of members who are working men of science. Their gift will assuredly have a direct importance for the object which they named in making it; but while we gratefully recognize its immediate and intrinsic value, we shall not miss the wider meaning of the fraternal impulse which determined this fine and generous action. We shall be sure that it symbolizes a desire of our American friends to share with us, as far as national policies allow, in the losses which are being encountered in defence of ideals which are theirs as much as ours.

Such gifts, indeed, are among many signs of the fuller understanding which comes with the recognition of a common peril and a common duty. An interchange of medical personnel has begun. The generosity of the Rockefeller Foundation is enabling a chosen batch of students to go to American medical schools; there must certainly be more of such interchange after the war, and in both directions. Qualified American medical volunteers are arriving in this country. Close collaboration in scientific researches more directly concerned with warfare has for some time been

a necessary and well-established condition of America's share in the equipment of our forces. Surely it is clear that the greatest gain which can come to us, and to the world, from a war in which so much has been and must yet be sacrificed, is this closer and more conscious unity between peoples who have always been bound together, not merely because they speak the same language and share so much of history and tradition, but because their ideals and their outlook on life are, in very truth, essentially identical. To see in the promotion of such unity the best hope for the future, to work for it in every way and to guard it from the weakening effects of sectional aims and factitious differences, seems to be the best acknowledgment that the medical and scientific men of Britain can at present make to the American colleagues who, with a noble and simple generosity, are showing their desire to be identified with our cause.

THE INSTITUTE OF TECHNOLOGY OF NORTHWESTERN UNIVERSITY

IT is expected that the new building of the Institute of Technology of Northwestern University, erected at a cost of $6,735,000, which was made possible by a grant from the Walter P. Murphy Foundation, will be opened in the autumn. The institute is conducted on the cooperative plan, under which students alternate work in industry with study in the classroom on a quarterly basis. The first class entered in the autumn of 1939.

In the new building there is an air-distribution room, where the mercury will reach zero, designed so that smaller rooms may be constructed within, thus permitting control of external temperature. This room will test for air leakages, insulation defects and strain upon building materials.

The cold room for civil engineering, to which specimens of cement, concrete, steel and building materials will be brought for analysis, is a heavily insulated 6 by 7 foot laboratory, in which quick changes in temperature will subject materials to the most rigorous of tests.

A low temperature research room is being built for the department of mechanical engineering. In a compartment large enough to house an automobile, the temperature may be driven to 75 degrees below zero. Tests will be conducted under these conditions of moving engine parts. The room is insulated with twelve inches of cork. It is tile covered and separated by an air space from the ground beneath. The latter permits the floor to expand or contract as the temperature varies.

Special research in low temperatures is planned for the cold room of the department of physics, where temperatures of 20 degrees below can be produced. In addition, chemistry will have two "variable temperature compartments," which will reach 4 degrees below. These rooms will serve the purpose of storing organic samples which need to be kept frozen.

Besides the so-called "cold rooms," there will be thirty-two controlled temperature rooms, cooled by a seventy-five horse-power air conditioning machine in the basement. These will be used for a variety of experiments calling for specific temperatures.

Approximately $1,000,000 worth of new equipment is now being installed. This includes apparatus for producing lightning and rain to test insulation and electrical equipment, "bomb rooms" with 12-inch walls to guard against explosions from experimentation, an artificial river to test boat models and vibrationless rooms which float in space.

THE NATIONAL FOUNDATION FOR INFANTILE PARALYSIS

THE distribution by the National Foundation for Infantile Paralysis of grants amounting to $195,030 with which to carry on its battle to conquer infantile paralysis has been announced by Basil O'Connor, New York, president of the foundation.

These grants include:

A grant of $40,000 to the newly organized School of Public Health at the University of Michigan, which continues aid given to the school to create facilities for the study of virus diseases and to train virologists, with particular emphasis on infantile paralysis; also a grant of $7,400 has been made to the department of pediatrics of the university for the purpose of investigating the various forms of treating experimental infantile paralysis by the use of biologic and chemical agents.

A grant of $4,250 has been made to the Medical School of the University of California, San Francisco, to continue a study involving precise analysis of the movements of the various joints of the body, a project of particular importance in the treatment and prevention of after-effects of the disease.

A study aimed at determining the disposition of the infantile paralysis virus neutralizing antibodies among residents of an urban community, under what circumstances and at what rate persons develop such antibodies and the correlation of these data with the occurrence of infantile paralysis will be made under a grant of $9,300 to the School of Medicine of the Johns Hopkins University.

Two grants amounting to $6,300 to the Children's Hospital, Boston, will make possible the continuation of a study aimed at determining the effects of infantile paralysis on the growth of lower extremities. A study of the gastrointestinal tract as the portal of entry of the virus in paralysis will be made under a grant of $3,000 to the Boston City Hospital. Under a grant of $9,200, the Strong Memorial Hospital, at the University of Rochester, will continue studies to determine the functional indices in normal and abnormal locomotion. The University Hospital of the State University of Iowa, under a grant of $7,100 will continue an evaluation of treatment in the