

that not only is there need for training additional specialists in the science of nutrition and its practical applications, but also for consultation services for professional workers concerned with problems involving nutrition. The School of Nutrition at Cornell will provide such consultation services, as well as scientific training for nutrition specialists."

Dr. Leonard A. Maynard, who has been professor of animal nutrition at Cornell University for more than twenty years and who is director of the Federal Laboratory of Nutrition at Ithaca, has been appointed director of the new unit.

In addition to training specialists in the field of nutrition, instruction will be offered in related fields, where some understanding of the problems of nutrition is essential. Agricultural agents, students preparing for institutional management and chemical engineers and others in training to serve the food industries will be given instruction in various phases of handling and utilizing foodstuffs. Courses will be given for conservationists, veterinarians, physiologists, toxicologists and workers in other divisions of animal sciences.

Students who plan to enter the field will take a course covering five years of college training, at the end of which they will receive the degree of master of science in nutrition. During the first three years the curriculum will include required courses in biology, chemistry, physics, mathematics and animal husbandry. There will follow two years of intensive training in the school of nutrition proper, with special emphasis on animal and human nutrition, bacteriology, general pathology, biochemistry, biophysics and food chemistry. Problems of food supply and food distribution will likewise be studied. Graduates of the school who demonstrate unusual competence will have opportunity to continue their work in a program leading to the degree of doctor of philosophy.

Members of the staff of the new school will be drawn from those divisions of the university most directly concerned with nutrition problems. Among them will be Dr. J. B. Sumner, professor of biochemistry; Dr. P. F. Sharp, professor of dairy industry; Dr. L. C. Norris, professor of poultry nutrition; Dr. F. B. Morrison, professor of animal husbandry; Dr. H. H. Dukes, professor of veterinary physiology; Dr. Hazel Hauck, professor of home economics; and Dr. Clive M. McCay, professor of animal nutrition, who has long been associated with Dr. Maynard in studies on the relationship between diet and longevity. Also associated with the work will be Dr. Eugene F. DuBois, professor of physiology at the Cornell Medical College, and other members of the staff at the Medical Center in New York City. In certain of its aspects, the program of the school will be closely affiliated with the School of Chemical Engineering,

which is directed by Dr. F. H. Rhodes, who was recently appointed to the Herbert Fisk Johnson professorship of industrial engineering.

#### THE McDONALD OBSERVATORY

AN agreement has been made by which Indiana University will join with the University of Texas and the University of Chicago in the use of the McDonald Observatory on Mt. Locke in the Davis Mountains of southwestern Texas. Under the terms of the new agreement it has been arranged that Indiana astronomers will use the facilities of the McDonald Observatory for fifteen nights each year. Indiana University will be given full right to the photographic plates of their observations and also the rights of discussion and publication of the results of their investigations.

The McDonald Observatory was made possible through an \$800,000 bequest to the University of Texas by the late William J. McDonald, banker of Paris, Tex., and since its opening it has been manned largely by personnel from the Yerkes Observatory under Dr. Otto Struve. The 82-inch mirror is exceeded only by the 100-inch reflector of Mt. Wilson, Calif. Both mirrors will be surpassed at some future date by the 200-inch telescope of the California Institute of Technology, which is now under construction.

The power of the McDonald Telescope is such that it will take photographs of stars of the order of four hundred million light years distant, and a million times fainter than the faintest star which can be seen by the naked eye. The observatory is situated where climatic conditions are favorable for observations more than three hundred nights a year. The work in astrophysics, which has been carried on at the Yerkes Observatory, has been continued at the McDonald Observatory. Indiana astronomers, under the direction of Professor Frank K. Edmondson, will use the observatory for the study of stellar motions.

#### THE AFFILIATION OF RUSH MEDICAL COLLEGE WITH THE UNIVERSITY OF ILLINOIS

AN agreement has been entered into for Rush Medical College and Clinic, Chicago, to turn over their facilities to the Presbyterian Hospital, and it in turn to become affiliated with the University of Illinois. The Presbyterian Hospital is close to the Chicago campus of the University of Illinois in the West Side Medical Center.

The affiliation adds members of the faculty, the training and research facilities of one of the city's largest and best-equipped general hospitals and a leading dispensary to the Colleges of Medicine, Dentistry and Pharmacy of the university and the research and educational hospitals and institutes. The latter were transferred, by agreement between the Department of Public Welfare and the university, on

July 1. With the taking over of the state research groups and the affiliation with the Presbyterian Hospital and Rush Medical College there is created a leading medical center.

The name of the college will be perpetuated, as members of its staff who have formed the faculty of the College of Medicine of the University of Illinois will be designated "Rush professors." Members of the Presbyterian Hospital staff will be appointed to the clinical staff of the College of Medicine of the university. Future appointments to the hospital staff will be made from nominations made by the university.

The classes given at Rush Medical College will continue for another two years until students already enrolled complete their work. No new students will be enrolled this fall; newcomers will be eligible to apply for admission to the University of Illinois College of Medicine. The property of the college, hospital and dispensary will remain in the names and under the control of each of those organizations for the carrying out of trusts and other agreements.

For the past seventeen years, Rush Medical College, with the hospital and dispensary, have been affiliated with the University of Chicago, which conducts its own medical college. The authorities at the University of Chicago decided either to join the two medical units or to sever the connection. The trustees of Rush Medical College, however, were not willing to accept such an arrangement, and decided to become affiliated with the University of Illinois.

Under the agreement, the University of Illinois will "formulate a comprehensive coordinated program of undergraduate and graduate medical education and research which shall be designed to use jointly the facilities of the Presbyterian Hospital, the Colleges of Medicine, Dentistry and Pharmacy, and the research and educational hospitals and the institutes of the university." Also, the university will "suggest a program of affiliation for the School of Nursing of the hospital."

The University of Illinois group is the second largest in the west side medical center. It is exceeded only Cook County Hospital, which includes eleven buildings forming the largest general hospital in the world.

#### THE CHICAGO MEETINGS OF MATHEMATICIANS

THE forty-seventh summer meeting and twenty-third Colloquium of the American Mathematical Society will be held at the University of Chicago from September 2 to 6, in conjunction with meetings of the Mathematical Association of America and the Institute of Mathematical Statistics. The Econometric Society also meets in Chicago. At the time

of the meetings the University of Chicago will be celebrating the fiftieth anniversary of its founding, the theme of which will be "New Frontiers in Education and Research."

The Colloquium Lectures will be given by Professor Oystein Ore, of Yale University, under the title "Mathematical Relations and Structures." The Josiah Willard Gibbs Lecture will be given by Professor Sewall Wright, of the department of zoology of the University of Chicago. The title of this lecture is "Statistical Genetics and Evolution." In addition to the usual program of short papers there has been arranged a conference on algebra, a conference on the theory of integration and four general lectures designed for the mathematical group as a whole rather than primarily for specialists in the fields of the lectures. These lectures will have the composite title "Trends in Research," and will describe recent progress and suggest directions which future research in the fields may take. They are as follows: "Abstract Spaces," by Professor M. H. Stone, of Harvard University; "Analytic Number Theory," by Professor H. A. Rademacher, of the University of Pennsylvania; "The Calculus of Variations," by Professor G. A. Bliss, of the University of Chicago, and "Topology," by Professor Solomon Lefschetz, of Princeton University.

The twenty-fourth summer meeting of the Mathematical Association of America will be held from September 1 to 4. In addition to a program of special papers on Monday, a joint session of the society and the association will be held on the afternoon of Wednesday, September 3.

A joint dinner of the societies will be held on Thursday evening at seven o'clock in Hutchinson Commons, preceded by an informal reception at the Reynolds Club.

In connection with the anniversary celebration of the University of Chicago, the American Association for the Advancement of Science will hold meetings during the fourth week of September. Section A will have a session on Wednesday afternoon, September 24, at which Professor Oswald Veblen will give an address on "Spinors and Projective Geometry" and Professor G. D. Birkhoff will speak on "Some Unsolved Problems of Theoretical Dynamics." On Friday, September 26, there will be a symposium on cosmic rays, a joint session of Sections B and D (physics and astronomy), and lectures by Professor E. O. Lawrence on "Nuclear Transformations" and by Professor Henry Norris Russell on "The Cosmical Abundance of the Elements." Complete announcements of these and other scientific sessions held during September will be sent to mathematicians on request to the Director of the Celebration, University of Chicago.