

and the artist's response to it may be complementary to each other. William Watson expressed their spiritual unity in his verse

Science and Art, compeers in glory,
Boast each a haunt divine.
"My place is in God's laboratory"
"And in his garden, mine."

To the worker in the laboratory or observatory, however, it would be encouraging if the poet would occasionally stray into his domain and show interest in what is being done to understand structures and processes in nature. A few years ago, Mr. Kenneth Knight Hallows undertook a detailed literary research with the view of finding what had been done to develop poetry of science since Wordsworth's forecast of its future, and he described his result in an essay published in a small book entitled "The Poetry of Geology," as well as in his complete "Poetical Works." A strong appeal is made in this essay for the creation of a new school of poets of science, who will employ their genius to interpret scientific truths with accuracy and charm.

Any such poetry must embody new conceptions and creative thought vibrant with human feeling and not be mere photographic images or phonographic records of phases of scientific knowledge. While it is to be regretted that achievements of modern science have failed to inspire contemporary poets, we realize fully that the human heart will not be touched by soulless descriptions of natural events or phenomena. "Poetry," said Leigh Hunt, "is the utterance of a passion for truth, beauty and power, embodying and illustrating its conceptions by imagination and fancy." There can be no inspiring poetry of science without the possession of these spiritual attributes and the artistic instinct which will clothe them in garments of blissful words and radiant phrases. When the poet of science does arise, he will probably not have had a specialized scientific training, but his mind will be sensitive to the wonder of scientific discoveries and the insight they afford into natural things from the atom to the celestial universe. Through appreciation of these revelations he will be uplifted to planes of creative thought and sublime interpretation.

SCIENTIFIC EVENTS

THE SECOND INTERNATIONAL CONGRESS FOR THE UNITY OF SCIENCE

THE second International Congress for the Unity of Science will take place in Copenhagen, from June 21 to 26. The central topic will be the relation of physics and biology (including psychology), with especial emphasis upon the concept of causality. A small number of invited speakers will provide the context for a general discussion. Professor Niels Bohr will participate in the congress.

Inquiries and notices of intended attendance at the congress may be directed to the secretary, Dr. Otto Neurath, Mundaneum Institute, 267 Obrechtstraat, The Hague, Netherlands. The subscription for active membership is a hundred francs.

The International Committee in charge of the annual congresses now consists of: M. Boll, Niels Bohr, P. W. Bridgman, Bonnet, Carnap, E. Cartan, J. Clay, M. R. Cohen, F. Enriques, P. Frank, M. Frechet, F. Gonseth, J. Hadamard, P. Langevin, Lashley, Lewis, Lukasiewicz, R. v. Mises, Morris, Neurath, Nicolle, C. K. Ogden, J. Perrin, Reichenbach, Abel Rey, Rist, Rougier, Bertrand Russell, Schlick, Stebbing, Woodger.

The *Proceedings* of the first congress, held at the Sorbonne in September, 1935, and devoted to the general topic of the logic or philosophy of science, are to appear in the early months of 1936 in the form of eight small volumes (Hermann and Co., Paris). A

detailed report of the papers and discussions of the congress appears in volume 5, number 6, of the journal *Erkenntnis* (Felix Meiner, Leipzig). Plans are being made to hold one of the congresses in the United States within the next few years.

FELLOWSHIPS IN THE PHYSICAL AND BIOLOGICAL SCIENCES OF THE JOHN SIMON GUGGENHEIM MEMORIAL FOUNDATION

THE following appointments to John Simon Guggenheim Memorial fellowships for work in the physical and biological sciences are announced:

Dr. Harold Francis Blum, assistant professor of physiology, University of California: Appointed for the writing of a monograph on biological photosensitization: research in European laboratories and consultation with European authorities.

Dr. James Thomas Culbertson, instructor in bacteriology, College of Physicians and Surgeons, Columbia University: Appointed for studies of humoral and cellular immunological phenomena in the mechanism underlying the immunity against parasitic diseases, particularly the protozoan and helminthic infestations of man, chiefly at the London School of Hygiene and Tropical Medicine.

Dr. Solomon Gandz, New York City: Appointed for studies of early Arabic algebra, especially its connection with ancient Greek, Babylonian and Egyptian mathematics, and its influence upon medieval European mathematics.

Dr. George Whitfield Deluz Hamlett, research worker,

U. S. Biological Survey: Appointed for a study of the embryology and the reproductive cycles of various South American mammals.

Dr. Michael Heidelberger, associate professor of biological chemistry, Columbia University, and chemist to the Medical Service of the Presbyterian Hospital, New York City: Appointed for studies of the mechanism of immune reactions. (Renewal.)

Dr. Morris Moore, research fellow in mycology and dermatology, The Barnard Free Skin and Cancer Hospital, St. Louis, Mo.: Appointed for a comparative study of the life-cycles of certain disease-producing fungi of North and South America. (Renewal.)

Dr. Donald McLean Purdy, assistant professor of psychology, University of Maine: Appointed for a study of European functional psychology.

Dr. Marshall H. Stone, associate professor of mathematics, Harvard University: Appointed for research in mathematics, in particular in the field of the theory of linear representation in abstract space.

Dr. Lloyd Raymond Watson, professor of chemistry and director of research, Alfred University: Appointed for research toward the development of new and improved types of honey-bees.

Dr. George Willard Wheland, research fellow in chemistry, California Institute of Technology: Appointed for quantum mechanical investigation into the structure of organic molecules in collaboration with European authorities, and the gathering of material for a monograph on the same subject.

Dr. Perry William Wilson, assistant professor of bacteriology and chemistry, University of Wisconsin: Appointed for research into the problem of the fixation of nitrogen by bacteria, in consultation with European authorities.

THE ANNUAL CONFERENCE OF THE MILBANK MEMORIAL FUND

MORE than eighty leaders in public health, medicine and social work, connected with various federal, state, county and municipal services, educational institutions, voluntary agencies and other organizations, assembled on March 26 for the annual conference of the Milbank Memorial Fund at the New York Academy of Medicine. Dr. Livingston Farrand, president of Cornell University, a director of the foundation, presided.

The "next steps in public health" were discussed by one of the round-table groups. There was consideration of possible public activity in the prevention of cancer, pneumonia, diabetes, mental diseases, maternal and neonatal mortality, heart diseases and industrial hazards. This group was to have been presided over by Edgar Sydenstricker, scientific director of the fund, who died on March 19. Professor C.-E. A. Winslow, of the Yale University School of Medicine, took his place on the program. A round-table group under the chairmanship of Dr. George T. Palmer, deputy commissioner of health of the City of New

York, discussed scientific methods of evaluating the effectiveness of specific health procedures and of measuring health services in relation to the needs of particular communities. A round-table on population studies was presided over by Professor Robert E. Chaddock, of Columbia University. On Friday afternoon the chairmen of these three groups presented reports of the discussions before the conference as a whole.

The Milbank Fund's annual dinner to its boards of counsel was given on the second evening. The speakers were: Albert G. Milbank, president of the foundation; Dr. Livingston Farrand, Professor C.-E. A. Winslow and Thomas I. Parkinson, president of the Equitable Life Assurance Society of the United States.

Others scheduled to take part in the two-day conference include: Reginald M. Atwater, secretary, American Public Health Association; E. L. Bishop, director of health, Tennessee Valley Authority; Henry D. Chadwick, Massachusetts State Commissioner of Public Health; Miss Dorothy Deming, R.N., general director, National Organization for Public Health Nursing; Louis I. Dublin, third vice-president of the Metropolitan Life Insurance Company; Kendall Emerson, managing director, National Tuberculosis Association; Charles E. Farr, president, Medical Society of the County of New York; Miss Elizabeth Fox, R.N., superintendent, Visiting Nurse Association, New Haven; John A. Hartwell, director, The New York Academy of Medicine; Charles J. Hatfield, executive director, Henry Phipps Institute, Philadelphia; Clarence Hineks, general director, National Committee for Mental Hygiene; J. H. Janney, Jr., health officer of Anne Arundel County, Maryland; Miss Katharine F. Lenroot, chief, United States Children's Bureau; H. S. Mustard, of the School of Hygiene and Public Health, the Johns Hopkins University; The Honorable Thomas Parran, Jr., Surgeon General of the United States Public Health Service; Raymond Pearl, professor of biology, the Johns Hopkins University; Eugene H. Pool, president, the New York Academy of Medicine; the Honorable John L. Rice, New York City Commissioner of Health; William F. Snow, general director, American Social Hygiene Association; Frederic E. Sondern, president, Medical Society of the State of New York; Raymond Squier, executive secretary, National Committee on Maternal Health; John S. Sundwall, director, division of hygiene and public health, University of Michigan; the Honorable Henry F. Vaughan, City Commissioner of Health, Detroit; P. K. Whelpton, Scripps Foundation for Research in Population Problems, Miami University, and John Wyckoff, dean, University and Bellevue Hospital Medical College.