

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,