

rodents is minimal, but that loss of fluid into tissues (edema) may be an important factor. His data indicate that sodium loss (as determined by studies using radioactive sodium) may be minimal, at least prior to the time that the animal approaches the moribund stage. Hyodo-Taguchi and Egami showed a distinct increase in loss of sodium from irradiated goldfish suffering from gastrointestinal syndrome. Lushbaugh pointed out that such loss may well be from vessel damage particularly in the gills of the fish.

In summary of the conference, the problems involved in differential species radiosensitivity were brought into sharper focus, but a great deal of work needs to be done before the differences can be understood. Detailed work is required on differences in pool sizes, the kinetics of cell proliferation, and control mechanisms of cell proliferation in the different species. Physiological variables must be better defined, particularly the rate of utilization of mature functional cells in the irradiated versus normal individual. The possible role of the reticuloendothelial system deserves a great deal more attention, as do changes in blood vessels and the supporting matrix for proliferating tissues, particularly at dose levels high in the lethal range for the bone-marrow syndrome and above.

V. P. BOND

Brookhaven National Laboratory,
Upton, New York

T. SUGAHARA

Kyoto University, Kyoto, Japan

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Meister, director of planning, Hall of Science of the City of New York, Inc.; Henry Allen Moe, president emeritus, Guggenheim Memorial Foundation; DeWitt C. Reddick, School of Communication, University of Texas; and William P. Steven, vice president, *Chicago Sun Times/Chicago Daily News*.

To be eligible for the 1969 awards, the newspaper or magazine articles on the natural sciences and their engineering and technological applications must have appeared in print between 1 October 1968 and 30 September 1969, in publications within the United States.

A newspaper entry can be any of the following: a single story, a series of articles, or a group of three unrelated stories, articles, editorials, or columns.

The three awards will be presented on 27 December 1969 at the annual dinner of the National Association of Science Writers during the 1969 meeting of the AAAS in Boston.

Additional information and application forms may be obtained from Grayce A. Finger, Dept. E, AAAS, 1515 Massachusetts Ave., NW, Washington, D.C. 20005 (202-387-7171).

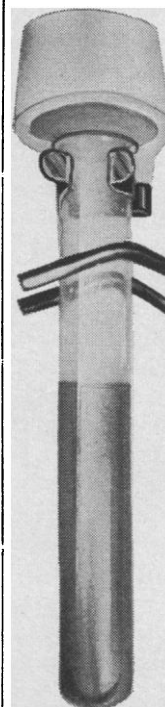
Courses

Workshop in Genetic Chemistry, Madison, Wis., 15-21 Aug. Will provide an introduction to the methodology of genetic chemistry for study of systems such as oxidative phosphorylation, membrane function, and enzymic catalysis. Enrollment is limited to 20 chemists who wish to explore the possibility for application of their skills and experience to problems in genetic chemistry. Applicants should describe their interests, list publications, and provide a brief curriculum vitae. Also request travel and per diem if it is needed. Deadline for applications: *15 July*. (Professor Robert M. Bock, Laboratory of Molecular Biology, University of Wisconsin, Madison 53706)

International Seminar for Hydrology Professors, Urbana, Ill., 13-25 July. Is intended to acquaint hydrology professors with new technological developments in hydrology, such as nuclear techniques, space applications, stochastic analysis, and systems simulation; to determine the current status of teaching and research in basic hydrology; to provide for discussion of teaching and research methods, techniques, and instrumentation; to ascertain gaps in knowledge and to determine research needs and anticipated research trends; and to discuss impact of hydrologic education on manpower, on relation with government agencies, on international cooperation, and on water resources development. (Professor V. T. Chow, Director, International Seminar for Hydrology Professors, 3118 Civil Engineering Building, University of Illinois, Urbana 61801)

Technical and Industrial Communications, Fort Collins, Colo., 20-25 July. Will emphasize the application of communication techniques in business, industry, and institutions of government and education. Current research and new applications, including computer science and communicology, will be discussed. The

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