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COVER LEGEND

The Editors extend their cover salute this month to Michael B. Shimkin, former Editor of this Journal. Born in Tomsk, Siberia, in 1912, he came to San Francisco as a child, received the M.D. degree from the University of California in 1937, and began his career in cancer research at that time at Harvard University as a Research Fellow of the then newly created National Cancer Institute. From 1947 to 1954 he was in charge of the Laboratory of Experimental Oncology in San Francisco, supported jointly by the University of California and the National Cancer Institute. He then joined the Cancer Institute in Bethesda as Chief of the Biometry and Epidemiology Branch and, in 1960, was appointed Associate Director for Field Studies. From 1963 to July of last year he was Chief of Cancer Biology and Professor of Medicine at Fels Research Institute, Temple University School of Medicine. He is now Professor of Medicine and Coordinator of the Regional Medical Program at the University of California at San Diego.

Dr. Shimkin is a true scientific generalist, having achieved distinction not only in experimental and clinical studies, but also in the history and philosophy of cancer. He is a talented popularizer, and his lectures and writings are brilliantly informative to medical and lay audiences and readers. He has traveled widely all over the world in connection with international cancer programs, and, as an expert on the Soviet Union, he has repeatedly gone to that country as a member of various scientific missions.

Shimkin has been in the forefront of many advances in cancer. He established the pulmonary tumor response in mice as a quantitative bioassay procedure, as well as a model for biomathematical formulations. His quantitative studies on polycyclic hydrocarbons (with W. R. Bryan) are classical. He discovered the induction of interstitial cell testicular tumors in mice and the inhibition of mammary carcinogenesis in mice by adrenalectomy. Biometric analyses of clinical data led Shimkin to important conclusions on the natural history and effects of treatment in leukemia, lymphoma, and breast cancer. His analyses were influential in demolishing the dogma of radical surgery for cancer of the breast and lung. He has been a pioneer in studies on the relationship of smoking to lung cancer and his deductions reported in *Advances in Cancer Research*, Vol. 3, published in 1955, preceded by 7 years the 1962 report of the Surgeon General of the U. S.

Shimkin has served the cause of cancer in two major editorial capacities. He was Editor-in-Chief of the *Journal of the National Cancer Institute*, from 1955 to 1960, and of *CANCER RESEARCH*, from 1964 to 1969. The cover photograph, taken about 1963, illustrates a familiar Shimkin pose. An accompanying figure shows data from a study of alkylating agents [M. B. Shimkin, J. H. Weisburger, E. K. Weisburger, N. Gubareff, and V. Suntzeff. Bioassay of 29 Alkylating Chemicals by the Pulmonary-Tumor Response in Strain A Mice. *J. Natl. Cancer Inst.*, 36: 915-935, 1966 (the figure appears on p. 927)].

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