

OBITUARY

GEORGII KUZ'MICH FILONENKO

Doctor of Technical Sciences, Professor Georgii Kuz'mich Filonenko, a major Soviet scientist and one of the founders of the theory of drying, died on April 26 of this year at the age of 80.

G.K. Filonenko was born on April 4, 1892 in Sinyavke Bereznenskii district, Chernigov Province. After graduating from the local high school in 1912, he entered the Moscow Technical School from which he graduated in 1922. He worked at first as a design engineer at Tsutorf and then from 1923 to 1927 at the All-Union Heat-Technology Institute in the drying laboratory and in the department of industrial trials of various heating systems, where he carried out detailed tests on drying equipment.

Between 1927 and 1954, G.K. Filonenko worked at the Ivanovskii Polytechnical Institute (which in 1930 became the basis for the Ivanovskii Power Institute) first as an associate professor later as the Head of the Department of Industrial Heat Technology and Gas-Fired Furnace Technology. At the Ivanovskii Power Institute, G.K. Filonenko gave lectures on industrial ventilation and heat extractors and compressors, the drying of materials, industrial ovens, drying equipment, and so on, and also directed post-graduate work.

G.K. Filonenko was the founder of the Department of Industrial Power Engineering and its first Dean, and from 1947 to 1949 he was Deputy Director of the Ivanovskii Power Institute with responsibilities for research and education.

In June, 1939, G.K. Filonenko submitted his thesis "On the kinetics of the drying process" and in the same year he was awarded the degree of Doctor of Technical Sciences. G.K. Filonenko was the first to introduce the concept of reduced drying rate which can be used in engineering calculations on drying equipment using experimental data and to obtain equations for the drying time.

Since 1954, G.K. Filonenko has been in charge of the Department of Drying of the Odessa Technological Institute for the Food Industry and, since 1968, Professor-Consultant for the Department of Drying.

In the drying laboratory, in the development of which he was initially instrumental, G.K. Filonenko carried out extensive studies of the drying of very different food materials.

During the last few years, G.K. Filonenko has directed postgraduate work, as a result of which about 500 drying engineering have submitted candidate theses.

G.K. Filonenko was the author of many valuable and original scientific papers on time-dependent thermal processes, the kinetics of drying, the utilization of the heat of extracted air, the design of ventilators, and the hydraulic resistance of pipes. The monographs of G.K. Filonenko have been particularly popular as was his book, written in collaboration with Professor P.D. Lebedev, *Drying Equipment*, which has been translated into a number of foreign languages.

G.K. Filonenko had an extraordinary capacity for work. Even when confined to bed, he spent much time in editing the textbook, *The Drying of Foodstuffs*.

Professor G.K. Filonenko was also a talented experimentalist and educator in the field of drying.

His work was highly valued by the Party and the Government. He was awarded two Red Labor Banner Orders as well as the Mark of Honor and other medals.

G.K. Filonenko was a good, sensitive, sincere, and responsive man.

The memory of Georgii Kuz'mich Filonenko will always remain in our hearts.

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