

BORIS SERGEEVICH PETUKHOV — 60TH BIRTHDAY



On August 4, 1972 was the 60th birthday of Professor Boris Sergeevich Petukhov, Doctor of Technical Sciences and director of the Heat Transfer Section at the Institute of High Temperatures at the Academy of Sciences of the USSR, who also completed on this day 35 years of activity as scientist and teacher.

B. S. Petukhov was born into a workman's family in Novozybkov in the Bryansk Oblast. After graduating in 1932 from the Saransk School of Power Engineering, he worked in the Kuibyshevenergo and then both studied and taught at the Kuibyshev Industrial Institute. After completing his studies here in 1936, B. S. Petukhov joined the Kuibyshev Institute of Engineering Construction and advanced there within two years from position of assistant to head of the Chair of Thermal Engineering.

The most creative period in B. S. Petukhov's life began in 1938, when he became fellow of the Moscow Power Institute. He engaged here in intensive scientific and pedagogical work, earning in 1956 the title Professor after having successfully defended his doctoral dissertation. In 1966 B. S. Petukhov became head of the Heat Transfer Section at the Institute of High Temperatures at the Academy of Sciences of the USSR.

B. S. Petukhov is an eminent specialist in the field of heat transfer. He is widely known for this research concerning convective heat transfer in liquid and gas streams under heavy heat loads, large temperature drops, high velocities, and near-critical states of the medium. B. S. Petukhov has made studies of heat transfer during convection and boiling of liquid metals as well as during interaction between a liquid metal and an electromagnetic field, the results of these studies being applicable to nuclear power and to certain other branches of modern engineering. Of considerable theoretical and practical interest are B. S. Petukhov's recent studies of heat transfer in high-temperature gas streams with thermal dissociation.

Boris Sergeevich Petukhov is a prominent representative of the Soviet thermophysics school. Under his direction have been organized and are successfully working scientific collectives at the Institute of High Temperature at the Academy of Sciences of the USSR and at the Moscow Power Institute, making great contributions to the science of heat transfer. B. S. Petukhov was among those who introduced thermophysics as a speciality in higher education.

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B. S. Petukhov has published over 80 scientific papers and monographs. Each scientific article by Boris Sergeevich is characterized by a meticulous and serious approach to a problem, by an undisputable scientific and practical value of his conclusions. His broad erudition is combined with unwavering kindness to people and adherence to Communist principles, all of which have earned Boris Sergeevich well deserved respect among his colleagues.

B. S. Petukhov is continually engaged in training scientific cadres. Over 30 candidate's dissertations were defended under his guidance.

B. S. Petukhov's scientific and pedagogical work have gained wide recognition. He was awarded the Red Star of Labor and the Honor Badge with medals.

Boris Sergeevich at sixty is at the peak of creative powers and ideas. We wish him good health and further successes in his scientific and pedagogical activities.