

## In Memory of Aleksei Alekseevich Barmin

DOI: 10.1134/S0015462811020013



The prominent Russian scientist in the field of mechanics, the member of the Editorial Board of *Fluid Dynamics* Aleksei Alekseevich Barmin died November 18, 2010.

Barmin was born December 29, 1934. On leaving the secondary school in 1953 he entered the faculty of Mathematics and Mechanics of the Moscow University, where he became one of Academician Sedov's favorite pupils. From this moment on Barmin's scientific and pedagogical activities were related with Moscow State University and, in particular, the Institute of Mechanics of Moscow University. There he rose from a student to a chief research scientist, professor, Full Member of the Russian Academy of Natural Sciences.

Barmin has left a deep imprint in the science; he solved classical problems in the field of magnetohydrodynamics, obtained fundamental results in theory of discontinuous solutions of systems of differential equations, and formulated and solved some new, practically important problems in theory of seepage flows. Finally, he founded and developed a new line of inquiry in the world science related with the introduction of models and methods of continuum mechanics into the investigation of volcanology problems. This universally recognized line is being developed in Russia in studies of Barmin and his pupils.

The contribution made by Barmin into the development of the Russian and world's science was highly appreciated by the Government and the scientific community of Russia. He was awarded the State Prize of the Russian Federation, the Chaplygin Prize of the Russian Academy of Sciences, the Lomonosov prize of Moscow University, the Sedov Prize of the Russian National Committee on the Applied and Theoretical Mechanics, two Kapitza medals of the Russian Academy of Natural Sciences, and many other decorations.

Barmin was a brilliant teacher. As a professor of the Fluid Dynamics department of Moscow University he lectured and supervised the studies of students, both under and post-graduate. Many of his pupils are now

Candidates and Doctors of Physical and Mathematical Sciences. Barmin's personal charm and his ability to mix with people encouraged many young scientists to stay in the science in these hard times; now they form Barmin's science school and develop the ideas of its founder.

Barmin gave many forces, energy, talent, and experience to this journal. As a member of the Editorial Board and the scientific editor of the journal, he used his erudition, experience, and ability to talk with people not only for improving the quality of the published papers but also for attracting authors to the journal and increasing its popularity.

Aleksei Alekseevich Barmin was a remarkable man. He liked the life, loved our country, its nature and illimitable spaces. He liked people and was always open to help and support. He possessed the immense spiritual potential and an overwhelming heartiness.

His friends and colleagues will always miss him.

*Editorial Board*

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