

OBITUARIES

YURII PAVLOVICH SHLYKOV (1918-1972)

A. A. Gukhman, A. F. Chudnovskii,
B. S. Petukhov, P. A. Andreev,
V. M. Borishanskii, and G. N. Dul'nev



Yurii Pavlovich Shlykov, Doctor of Technical Sciences and a great scientist in the field of heat and mass transfer, has died on February 9, 1972, at the age of 54.

After graduating from the Yu. P. Bauman Engineering College in Moscow, he became head of the scientific-research and design team, and later of the laboratory, which studied thermal processes in locomotives. During this time he did much theoretical work and developed some original designs of heat engines and apparatus which are still used in locomotives. In 1951 Yurii Pavlovich switched to a teaching post at the Moscow Institute of Physics and Engineering, but he also continued with his scientific research. He was a manysided specialist. In those years he published several papers on the most topical subjects of heat and mass transfer. After that, abandoning his pedagogical activity, he turned all his attention to the most pressing scientific and technical problems in heat transfer and hydrodynamics, in which areas he then carried on basic research. During this period Yurii Pavlovich has made a substantial contribution to the theory of contact heat transfer by publishing the first in the world monograph on that subject, a monograph which soon became a sought after reference. His second book on contact heat transfer has, unfortunately, been left unfinished. During his last years Shlykov did composite theoretical research, developed a method of calculating and physically interpreting heat-transfer processes with variable properties of the heat carrier in the near-critical range. He did original work on the hydrodynamics in channels of arbitrary cross section which, like most of his other work, has become important not only in practical applications but also in terms of scientific knowledge. All his published works are characteristically lucid in outline, precise in statements, and complete in thoughts.

Yurii Pavlovich had an extraordinary capacity for work in a highly organized manner, and he kept on inculcating these qualities upon his students. While working daily on the solution of the most urgent problems in heat power, he attentively supervised the work of his students and generously contributed his creative ideas to their projects or actively participated in their successful efforts. At the same time, he was typically very modest as well as very much concerned about and kind to all around him. Even while seriously

Translated from *Inzhenerno-Fizicheskii Zhurnal*, Vol. 23, No. 2, pp. 373-374, August, 1972.

© 1974 Consultants Bureau, a division of Plenum Publishing Corporation, 227 West 17th Street, New York, N. Y. 10011. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, microfilming, recording or otherwise, without written permission of the publisher. A copy of this article is available from the publisher for \$15.00.

ill and still busy with his monograph, he could find the time for advising his associates and students on the most complex problems.

Yurii Pavlovich led a very active scientific–organizational life, he was a member of several Science and Science–Engineering Councils, he participated in the organization and proceedings of scientific symposia and conferences. He prepared many of his students for the Candidate of Science degree.

The life of this fundamentally great scientist full of profound thought and bold ideas was cut short too early.

The bright memory of Yurii Pavlovich Shlykov will be kept alive for ever in the hearts of his colleagues, friends, and associates.