

OBITUARY

ADOL'F DAVIDOVICH AL'TSHUL'

Professor Doctor of Technical Sciences Adol'f Davidovich Al'tshul', prominent scientist in the field of hydraulics and oldest teacher of the hydraulics department of Moscow State Construction University, died on February 6, 1994 at an age of 81 years.

He began his career in 1929. In 1936 he graduated from the Moscow Civil Engineering Institute (MISI), presently the Moscow State Construction University, and worked as an engineer for the "Volga-Don" Administration. After completing graduate studies he worked in planning, surveying, and research organizations on solving problems of irrigating trans-Volga lands.

He began his teaching in 1945 as an assistant professor at MISI in the water-supply and hydraulics departments.

Since 1975 Adol'f Davidovich Al'tshul' had been a member of the Scientific-Methods Council for Hydraulics under the Russian Higher Education Commission and of specialized scientific councils.

A. D. Al'tshul' was a talented teacher and prominent scientist widely known by his works in the area of hydraulics of pipelines, open channels, and hydraulic structures. Such monographs as "Hydraulic Friction Losses in Pipelines," "Hydraulic Resistances," and "Local Hydraulic Resistances During Viscous Fluid Motion" most completely reflect his achievements in the area of the semiempirical theory of turbulence. The generalized formula obtained by A. D. Al'tshul' for the hydraulic friction coefficient, which is effective in the entire region of turbulent flow in pipes, was verified by many investigators and entered hydraulic reference materials and standards.

Professor A. D. Al'tshul' participated in writing 10 textbooks and manuals, some of which have been published in several editions and are part of the basic educational literature in a number of departments of the university and at others.

Under the direction of A. D. Al'tshul' students, graduate students, teachers, and researchers of the hydraulics department of the university performed numerous investigations, the results of which found reflection in 200 scientific articles published in international academic and trade journals. More than 50 candidate dissertations of our and foreign graduate students were carried out and successfully defended under his scientific supervision. A scientific school, which made a considerable contribution to hydraulics and gained the recognition of the scientific community in our country and abroad, was created by the long-term labor of A. D. Al'tshul', scientist and teacher.

The bright memory of Adol'f Davidovich Al'tshul' — remarkable teacher and talented scientist, a person of rare sincere qualities — will forever be preserved in the hearts of his colleagues and students.