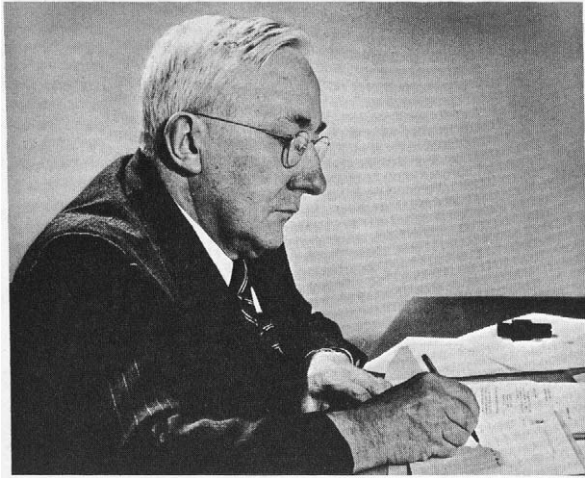


*In Memory of...*

*Dr. Michael A. Sadowsky*



The Editorial Advisory Board of the Journal of Composites lost a distinguished member on December 31, 1967, with the unexpected death of Dr. Michael A. Sadowsky. At the time of his death Dr. Sadowsky was Professor of Mechanics Emeritus at Rensselaer Polytechnic Institute and a member of the Advanced Research Laboratory at Watervliet Arsenal.

A native of Estonia, Dr. Sadowsky was a 1926 science graduate of the University of Berlin receiving his doctorate from the University in 1927. He came to the University of Minnesota as an assistant professor of mathematics from 1931-1933, and returned to Europe in 1934 to study at the University of Brussels. He then spent a short time at the University of Leningrad and for three years was a professor of mechanics at the College of Engineering at Novoherkassk.

Returning to the United States, Dr. Sadowsky joined the faculty of the Illinois Institute of Technology in 1938. He came to Rensselaer Polytechnic Institute in 1953 as a visiting professor and became a member of the Institute the following year as a full professor of mechanics. Dr. Sadowsky retired in 1967 and joined the Research Laboratory at Watervliet Arsenal. During the 1938-1967 period Dr. Sadowsky was at times a consultant to the Chicago Bridge and Iron Company, Caterpillar Tractor Company, General Electric Company and the Watervliet Arsenal.

His primary field of interest was the mathematical theory of elasticity where he emphasized the use of potential functions and perceptive mathematical techniques to satisfy boundary conditions. His contributions on three-dimensional problems of this difficult subject brought him international fame. In 1960 Dr. Sadowsky shifted to the field of micromechanics where he made meaningful contributions on force transfer mechanisms in composites, the mathematical classification of microfibers, the introduction of couple stress theory to composites and thermal stress behavior of fibers. He had just completed a force transfer study utilizing higher order strain gradient effects which also encompassed the classical and couple-stress theory of elasticity.

Dr. Sadowsky's lectures and seminars were superbly organized and his research concentrated on the most meaningful aspects of the problem. The fields of mechanics and composites have lost a directing hand with his passing.

F. W. Schmiedeshoff

Watervliet Arsenal  
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