

IN MEMORIAM

PROFESSOR SHIRO NUKIYAMA



ONE OF the prominent pioneers of boiling research, Shiro Nukiyama, Professor Emeritus of Tohoku University, died on 2 July 1983 in Sendai, Japan, at the age of 87.

Born on 15 March 1896 in Tokyo, Japan, he graduated in 1920 from the Mechanical Engineering Department, Faculty of Engineering, Tokyo University, and immediately started his professional career as Lecturer at Tohoku University. In 1921, he was appointed Associate Professor in charge of instruction and research of heat and thermodynamics at the Department. In 1922, he visited England for graduate studies. After visiting Germany, Switzerland and the United States, he returned home in 1924, and was appointed Professor of Tohoku University in 1926.

In subsequent years Professor Nukiyama actively conducted boiling heat transfer research. Surprisingly, he published only one paper on that problem. That paper was entitled "The Maximum and Minimum Values of the Heat Q Transmitted From Metal to Boiling Water Under Atmospheric Pressure".

In fact, his later research studies, which included research to solve the problem of three temperatures by an electric tank experiment, a method of measurement of thermal conductivity by means of comparison, a method of testing the performance of a boiler and a method of quick drying—each of them seems to us not at all inferior to his research on the point of maximum boiling rate in originality.

His scientific merits have widely been acknowledged both in Japan and abroad. He received the Japan Society of Mechanical Engineers Award in 1961 for his research on boiler surfaces and the Max Jakob Award in 1968 for his research on boiling heat transfer.

Dr Nukiyama was a distinguished professor. All those who knew him or came into contact with him will cherish his memory forever.

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