

PERSONALIA*VASILII STEPANOVICH MILIYANCHUK*

A. E. GLAUBERMAN

Usp. Fiz. Nauk. **68**, 197-198(May, 1959)

PROFESSOR Vasilii Stepanovich Miliyanchuk, Doctor of Physical and Mathematical Sciences, Chairman of the Faculty of Theoretical Physics of the I. Franko L'vov State University, died suddenly on November 3, 1958 at the age of 54.

The son of a railroad worker, he overcame the many difficulties faced by one of Ukrainian birth in feudal Poland, he was graduated with distinction in 1933 from the Physics Division of the L'vov Polytechnic Institute and was awarded the degree of Master of Physical Sciences.

Miliyanchuk began independent scientific work already in his student days. Two of his papers of that time were published in *Zeitschrift für Physik*, and two others in the *Bulletin of the Polish Academy of Sciences (Cracow)*. Even in those early papers, devoted to the theory of atomic spectra (multipole radiation of atoms), Miliyanchuk obtained important new results.

His teaching activity began in 1933. After a year's work as junior assistant in the Faculty of Theoretical Physics of the L'vov University, Miliyanchuk was awarded the degree of Doctor of Philosophy for his work "Forced Dipole Lines." In 1935 the young talented scientist received an appointment to the Institute of Physics of the Warsaw University, the Institute of Physics of the University of Vilnius, and the Institute of Physics of Leipzig. After successful work at these institutions, Miliyanchuk assumed in 1937 the duties of Senior Assistant at the Faculty of Theoretical Physics of the L'vov University, then headed by Prof. A. Rubinowicz.

Miliyanchuk's interest in the theory of atomic spectra became deeper during that time, and he published several papers devoted to the theory of forbidden lines forced by various fields.

After the unification of the West-Ukraine lands into a single Ukrainian Soviet Socialist State, Miliyanchuk was appointed Professor of the Faculty of Theoretical Mechanics, and from 1946 until his last day he headed the Faculty of Theoretical Physics of the L'vov University.



In a series of papers published since 1947, he developed the theory of the influence of inhomogeneous fields on the character of atomic spectra, papers in which many important and refined processes have been examined in detail.

Miliyanchuk's basic research placed him in the first rank of Soviet theoretical physicists in the field of atomic spectroscopy. In 1957 he defended brilliantly his dissertation for the degree of Doctor of Physico-Mathematical Sciences at the Physics Faculty of the Moscow University, and soon after-

wards was awarded the title of Professor of the Faculty of Theoretical Physics.

In 1949 Miliyanchuk started, in parallel with the development of a theory of atomic spectra, work on many problems in quantum electrodynamics and general theory of quantized fields.

His deep erudition and thorough understanding of problems of modern physics permitted him to participate actively in investigations devoted to the theory of solid state, the theory of atomic collisions, and other problems.

Miliyanchuk devoted much of his effort to teaching and training young scientific workers. His lecture courses in various fields of theoretical physics were distinguished for high methodical quality and were quite original.

Miliyanchuk has left unfinished a textbook on electrodynamics, on which he worked intensively during his last days.

He also contributed greatly to the publication of the Physics Collection (Fizicheskiĭ Sbornik) of the L'vov University. The two-volume edition of the Transactions of the Tenth All Union Conference on Spectroscopy was made possible through his efforts and leadership.

Miliyanchuk was a person of high culture, crystal-clear honor, and a great and kind soul.

By losing him we lost a talented outstanding scientist and pedagogue, educator of young Soviet physicists.

Translated by J. G. Adashko