



Condensed Matter and Interphases

Kondensirovannye Sredy i Mezhfaznye Granitsy
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Professor Evgeny Goncharov celebrates his 90th anniversary



E. G. Goncharov was born on April 17, 1933. After he finished school, he studied at the Voronezh State University at the Faculty of Chemistry and was sent to work at the Chemical Automatics Design Bureau (KBKHA) in 1955, where he worked his way up from engineer to the head of the central factory laboratory and deputy chief metallurgist in eight years. He participated in the creation of liquid-propellant rocket engines, allowing the launch of the first manned spacecraft.

During this period of time, Evgeny G. Goncharov successfully combined his industrial activity with scientific work in the field of semiconductor chemistry, he was enrolled into the extramural postgraduate programme at the Department of Inorganic Chemistry of Voronezh State University.

In the early sixties, E. G. Goncharov headed the laboratory of powerful transistors at the Central

Design Bureau of the Voronezh Semiconductor Plant, dealing with the problem of the creation and introduction into production of a new generation of semiconductor materials.

From 1965 until his retirement (2019), he worked continuously at the Faculty of Chemistry of Voronezh State University. In 1967, Evgeny G. Goncharov defended his PhD thesis, in 1990 he defended his DSc thesis in the field of semiconductor materials, and in 1991 he was awarded the title of professor. From 1990 to 2011 he was the Head of the Department of General and Inorganic Chemistry of Voronezh State University.

All these years, the main scientific interests of E. G. Goncharov were concentrated in the field of solid state chemistry, the study of the mechanism of synthesis and defect formation in semiconductor chemical compounds and solid solutions based on them.

Scientific results are presented in three monographs “Phase equilibria between phosphorus, arsenic, antimony, and bismuth”, “Semiconductor phosphides and arsenides of silicon and germanium”, “Solid solutions in ternary systems with elements of the fifth group” and in more than 400 scientific articles. E. G. Goncharov was advisor for 20 PhD theses.

In recent years, based on extensive teaching experience, E. G. Goncharov and co-authors published a number of textbooks, many of which were awarded with the classified publication title of the Ministry of Higher Education or recommended by educational and methodological association for classical university education: “Phase diagrams of multicomponent systems” (certified by the Ministry of Higher Education, 2005), “Structure of matter and chemical bonding in the course of inorganic chemistry” (recommended by the educational and methodological association, 2008), “General chemistry.



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Selected chapters” (recommended by the educational and methodological association, 2010), "Theoretical foundations of inorganic chemistry” (recommended by the educational and methodological association, 2014), “Short course of theoretical inorganic chemistry” (recommended by the educational and methodological association, 2017).

E. G. Goncharov was a member of two dissertation boards in chemical sciences, was a member of the editorial board of the journals “Condensed Matter and Interphases”, "Proceedings of Voronezh State University" (series Chemistry. Biology. Pharmacy), was a member of the Russian National Committee for Thermal Analysis and

Calorimetry of the Russian Academy of Sciences.

In 1999, for fruitful educational and scientific work, academic staff training programmes, Evgeny G. Goncharov was awarded with the title of Honoured Worker of Higher Education of the Russian Federation."

Evgeny G. Goncharov is not only an excellent scientist and teacher, he is well versed in literature, sports, music, perfectly plays the piano. His entire career and creative life were described in the books of memoirs “My Way to the University” (2014) and “Islands of Memory” (2021).

We wish dear Evgeny G. Goncharov, who is the same age as the Faculty, good health and never his lose the connection with the Faculty of Chemistry.

The team of the Department of General and Inorganic Chemistry and the editorial board of the journal

Translated by Valentina Mittova