CHRONICLE

Anatolii Il'ich Saprykin Is Sixty

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November 11, 2010 is the 60th birthday of Anatolii Il'ich Saprykin, Doctor of Technical Sciences, Deputy Director of the Nikolaev Institute of Inorganic Chemistry of the Siberian Branch of the Russian Academy of Sciences, and a well-known expert in the mass spectrometric and atomic emission elemental analysis and analysis of high-purity substances.

Saprykin was born in Tyumen, graduated from the Physical Department of Novosibirsk State University (1973), and started his scientific work in the Analytical Laboratory of the Institute of Inorganic Chemistry of the Siberian Branch of the Russian Academy of Science (IIC) headed by Professor I.G. Yudelevich. The main direction of Saprykin's research was the determination of trace impurities in high-purity substances, including those with preconcentration. In 1986, he defended his candidate's dissertation "Reduction of detection limits for impurities in the mass-spectrometric analysis of electronic materials." From 1993 until 1998, he worked in Germany, in analytical departments of the Nuclear Research Center (KFA-Juelich) and Ecological Research Center in Leipzig, and studied the analytical possibilities of radio-frequency glow-discharge plasma sources. In 1999, Saprykin defended his doctoral dissertation entitled "Mass-Spectrometric Analysis of Electronic Materials Using Radio-Frequency Spark and Glow Discharges," in which the analytical possibilities of new

plasma ionization sources were demonstrated. Then, he headed the Analytical Laboratory of the Institute of Inorganic Chemistry and, in 2005, he became the Deputy Director of the Institute on Scientific Work.

Professor Saprykin is well-known in Russia and abroad for his research into the mass-spectrometric and atomic emission spectrochemical analysis of various objects, including high-purity and functional materials and also environmental samples. The analytical procedures developed on the basis of these studies are distinguished by their unique analytical characteristics in detection limits (down to 10^{-11} – 10^{-9} wt %) and the number of determined impurities. The results of his research were used in the development of new production technologies of the deep purification of substances and the production of functional materials with different functions (semiconductors, scintillation, and laser single crystals, etc.). Professor Saprykin is a man of wide horizons, capable of properly choosing a scientific research topic and organizing the fruitful cooperation of a research team. Being a laboratory head, he significantly renewed and extended the instrumental park of the analytical laboratory. Saprykin's scientific lectures at Russian and international conferences are always noticeable and attract great interest. He is an author of more than 100 scientific papers and 6 inventor's certificates.

Anatolii Il'ich pays much time and efforts to teaching young researchers, actively attracts them to science, and supervises research by undergraduate and graduate students. Starting from 2000, he has delivered a course on up-to-date instrumental methods of quantitative chemical analysis at the Division of Analytical Chemistry of Novosibirsk State University.

Professor Saprykin is fruitful in scientific organizational work. He is a member of the Scientific Councils on Analytical Chemistry and Chemistry of High-Purity Substances of the Russian Academy of Sciences, the Siberian Branch of the Scientific Council on Analytical Chemistry of the Russian Academy of Sciences, the United Scientific Council on Chemical Sciences of the Siberian Branch of the Russian Academy of Science, the Scientific Council of the Institute of Inorganic Chemistry, and a dissertation council.

The editorial board of *Zhurnal Analiticheskoi Khimii* and all his friends and colleagues congratulate Anatolii Il'ich on his birthday and wish him good health, long years, and new successes in his work.