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## IN MEMORY OF OLEKSANDR BRONISLAVOVYCH ROITSYN

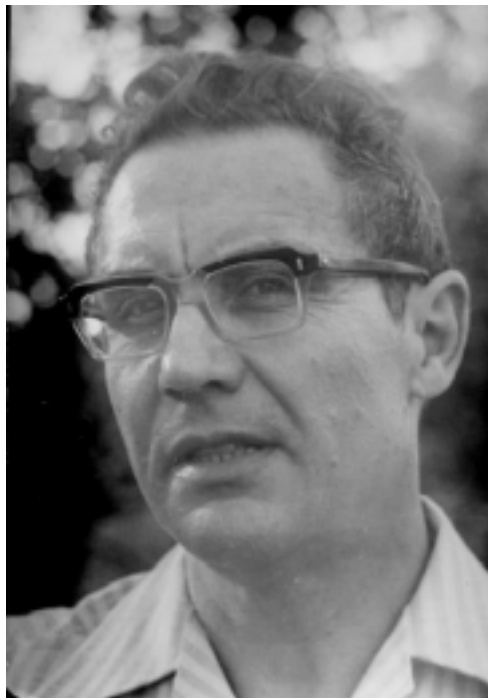
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On June 17, Oleksandr Bronislavovych Roitsyn, the known scientist in the fields of radiospectroscopy and solid state physics, Doctor in Physics and Mathematics, Professor, would have been 75 years of age.

O.B. Roitsyn (his father's surname was Rothzeig) was born in Leipzig (Germany) on June 17, 1930. In 1934, his family immigrated to the Soviet Union and settled down in Moscow. His father worked as a research officer at the Karpov Physical and Chemical Institute. His mother taught music at school. In 1937, O.B. Roitsyn's parents were subjected to repression, and he, having remained alone, was taken to the children's home. During the war years, he, being the inmate of children's homes in various sites of the Soviet Union, experienced destitution. But life miseries have only tempered Oleksandr Bronislavovych. In 1952, he successfully graduated from the Faculty of Physics and Mathematics of the Kishinev University. In 1956–1959, he was a postgraduate student at the Institute of Physics of the Academy of Sciences of the UkrSSR (Kyiv), and, after the termination of the postgraduate course, remained to work at this institute. In 1960, he defended his Ph.D. thesis on the theory of the paramagnetic resonance of electron centers in semiconductors.

In 1961, the Institute of Semiconductor Physics of the Academy of Sciences of Ukraine was organized, where O.B. Roitsyn had been working since the time of the Institute's foundation until the last days of his life. Here, he made a career from the junior scientific collaborator to the laboratory head. O.B. Roitsyn actively participated in the creation and functioning of the Kyiv school of radiospectroscopy, which is widely known in the scientific world and whose founder was M.F. Deigen, the Corresponding member of the Academy of Sciences of the UkrSSR.

The most important directions of O.B. Roitsyn's scientific activity were the theory of the electron paramagnetic resonance (EPR) and double electron-nuclear resonance spectra, electric effects in the



paramagnetic resonance, the shape of the EPR lines of chaotically oriented centers, the theory of deep centers in semiconductors, the low-symmetry effects, etc. His works concerning those topics are widely known to the world scientific community and have been recognized by experts. Basing on the results of these studies, O.B. Roitsyn defended the thesis for a Doctor's degree in 1971. In 1986, he was conferred the academic rank of Professor.

Having created the Laboratory of Quantum Chemistry and Magnetic Resonance in Crystals in 1984, O.B. Roitsyn together with his collaborators carried out a number of interesting researches in the fields of the radiospectroscopy of the surface of solids and the Brillouin scattering of light and started a new direction – the paramagnetic resonance near the crossing point of

energy levels. The late years of his life were devoted to the study of fullerenes.

The scientific contribution of Oleksandr Bronislavovych includes over 150 scientific works, among which there are 5 monographs and 10 reviews. Ten Ph.D. and three doctoral theses have been defended under his supervision.

O.B. Roitsyn revealed the great scientific and educational activity; he was also engaged in the training of youth. His articles devoted to the symmetry of crystals and published in the "Priroda" journal are widely known. He was the Deputy Editor-in-Chief of the encyclopaedic dictionary "Solid State Physics", the head of a methodological seminar, an active member of a number of the specialized dissertation boards. O.B. Roitsyn generously shared his encyclopaedic knowledge and ideas with young scientists. He was

always ready to give advice on scientific issues in various fields and to propose support in difficult situations.

O.B. Roitsyn was a person with deep moral principles, who lived and worked "in good conscience" throughout all his life. He actively promoted the democratization of our society, in particular, of the National Academy of Sciences of Ukraine.

The blessed recollection of Oleksandr Bronislavovych Roitsyn, the respectable talented person, is treasured up in the hearts of those who had the opportunity to communicate with him.

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