



TVOROGOV Stanislav Dmitrievich

A Corresponding Member of the Russian Academy of Sciences, the head of Laboratory of Statistical Optics of Institute of Atmospheric Optics SB RAS, Doctor of Physical and Mathematical Sciences, professor, Editor-in-Chief of the journal *Atmospheric and Oceanic Optics* died July 30, 2008, at the age of 72 after a serious illness.

Stanislav Dmitrievich graduated from the Physical Department of the Tomsk State University in 1959. He defended his master's thesis in 1963 and doctoral thesis in 1973. In 1994 S.D. Tvorogov was elected as a Corresponding Member of the Russian Academy of Sciences. He worked as the head of the Laboratory of Statistical Optics of Institute of Atmospheric Optics SB RAS since 1969.

S.D. Tvorogov was a member of three specialized Councils on defence of master and doctoral theses, Academician Council on physical-technical sciences of SB RAS, and Earth Sciences expert council of Russian Foundation for Basic Research.

Stanislav Dmitrievich was awarded the Order of Friendship, several medals, the honorary title "Veteran of Siberian Branch of the Russian Academy of Sciences".

S.D. Tvorogov obtained results of primary importance in atmospheric optics and spectroscopy of intermolecular interactions and their atmospheric applications. Specialists highly esteemed his works on the theory of line wings in rovibrational gas spectra, the method of semi-classical representation of the quantum theory, the developed approaches to study the potential of intermolecular interaction, application of general electrodynamic theorems in solution of problems of light scattering by aerosols, solution of a number of other scientific problems. The founder and first director of IAO SB RAS Academician V.E. Zuev informally titled S.D. Tvorogov "the main theoretician" of the Institute; Stanislav Dmitrievich was his steady pupil and right-hand man.

S.D. Tvorogov worked much as a professor of Optics and Spectroscopy Department of TSU. He was esteemed as a lecturer not only at the Tomsk, but also in Omsk, Altai, Udmurtia, and Yakutsk Universities. The Scientific School on Molecular Spectroscopy and Radiative Processes in the Atmosphere, created by S.D. Tvorogov, was the winner in competitions between leading scientific schools in Russia during tens of years. More than 10 of his pupils became Doctors and more than 20 – candidates of sciences.

Stanislav Dmitrievich was a research leader of the regular seminar of the Atmospheric Spectroscopy Department of IAO, devoting much attention to raising the level of proficiency of researchers and PhD students.

Since the first issue of *Atmospheric and Oceanic Optics*, S.D. Tvorogov worked a lot for development of the journal, being its Assistant Editor since the beginning and became its Editor-in-Chief in 2003. A special issue of the journal with scientific results of his School was published annually on his initiative.

Extensive knowledge, benevolence, good manners, and interest to the life of the Institute and colleagues always attracted people to Stanislav Dmitrievich.

We suffer an irreplaceable loss and express condolences to his family. Cherished memory of Stanislav Dmitrievich TVOROGOV will always be with us.

***Editorial board
of Atmospheric and Oceanic Optics***