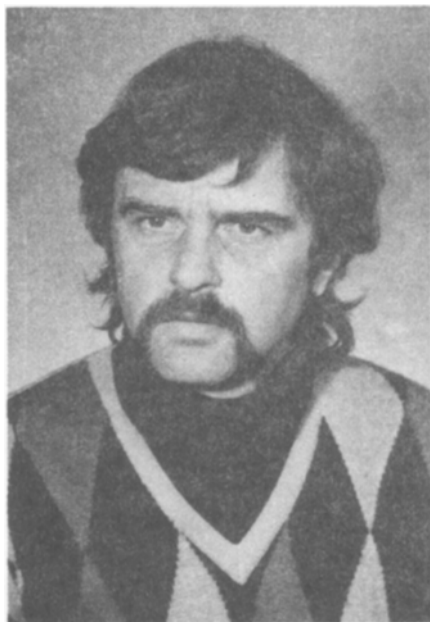


NEW MEMBER OF THE EDITORIAL ADVISORY BOARD

Jaroslav Šesták



Jaroslav Šesták was born in Držkov (North Bohemia mountains) in 1938. He received his diploma in polymer chemistry in 1957 and a M.Eng. degree in ceramics in 1962 and a Ph.D. degree in material science in 1967. In 1963 he joined the Institute of Solid-State Physics, Department of Magnetic Materials working in the group of Chemistry and Technology of Oxides. The period 1968–1970 he spent abroad, first as a guest scientist at the Swedish Nuclear Centre in Studsvik, working in the Structural Analysis Group, latter as a post-doctoral associate at the University of Missouri at Rolla (USA) working at the Department of Ceramic Engineering. Since 1971 he has been a principal scientific worker at the Department of Magnetics, and from 1985 at the Department of Chemistry, of the Institute of Physics of the Czechoslovak Academy of Sciences in Prague studying thermophysical properties of glasses by high-temperature dynamic calorimetry. He has been very active in lecturing, among 100 lectures were 24 invited and plenary lectures at

different conferences at home and abroad where he served as the chairman of scientific sessions 22 times. He made three lecture tours of the USSR (1973), Italy (1975) and Japan (1980). He also taught university post-graduate courses: electronic processes in solids (1969–70 at the University of Missouri at Rolla) and thermal analysis in silicate chemistry (1981 at the University of Trondheim, Norway). He is the author of over 100 original publications and four books the one "Thermophysical Properties of Solids; their Measurements and Theoretical Thermal Analysis" (czech, Academia 1982; english, Elsevier 1984 and russian, Mir 1987) received the year book price in Czechoslovakia 1984. He also received four prizes from the Czechoslovak Academy of Sciences (collective for non-isothermal kinetics, for magnetic properties of oxide glasses and for calibration of DTA by heat pulses in 1970, 1976 and 1978, respectively, and individual for the theory of glass crystallization in 1973), and was nominated by NATAS(USA) for the 7th International Mettler Award in Thermal Analysis in 1974 and by the Institute of General and Inorganic Chemistry in Moscow for Kurnakov medal in 1985. He is a member of various scientific societies: ICTA (Council 1978–84), Czechoslovak Chemical Society, Czechoslovak Scientific and Technical Society etc. He has been the scientific secretary to the Czech Working Group on Thermal Analysis since 1972 and served as the programme chairman of the 8th ICTA in Bratislava 1985.

Recently he has been engaged in studying the problems associated with the thermodynamics and kinetics of non-equilibrium processes (formation of metastable and unstable phases, metastable and kinetic phase diagrams, non-isothermal reaction kinetics) investigating materials like laser melted oxides, spin quenched metallic alloys, etc., by DTA and other complementary thermoanalytical techniques. He has high merit in formulation of thermoanalytical nomenclature particularly in its czechoslovak version and in the classification of kinetic terminology. The two books "Perspective Crystalline and Non-crystalline Materials and their Modern Technologies" and "Thermal Analysis Highlights '85" (a postconference proceedings of the 8th ICTA '85) are worthy mentioning as an example of his editorial activity in these days.

He is married with two children (Elizabeth and Paul); his wife Věra is a chemical engineer working in the Department of Semiconductors of the same Institute of Physics who graduated from both Prague (1968, M.Eng.) and Rolla (1970, M.S.) Universities. He is still active in sports like mountaneering (High Tatras, Alps, Caucasus, Pamir, Himalay), skiing (having the highest amateur qualification as a skii teacher) and basketball (less recently having even played basketball league). He likes handcrafted art and collects the art of graphics. He has carried on most of reconstruction works at his summerhouse in mountains of North Bohemia.