

IN MEMORIAM

CORESPONDING MEMBER OF BAS DIMITER LUBENOV YORDANOV (31.10.1933 – 26.04.2015)

Dimiter Lubenov Yordanov is born on October 31 1933 in Sofia. In 1956 he graduates from the Faculty of Physics of the "St. Kliment Ohridski" University of Sofia. In years 1956-1960 he works as a research specialist in the Aerology department of the National Hydro-meteorological Service. From 1960 to 1964 he is a research fellow in the Department of Atmospheric Physics of the Geophysical Institute of the Bulgarian Academy of Sciences. In 1968 Dimiter Yordanov defended his thesis "Turbulent diffusion in the atmospheric surface layer" and became Doctor of Sciences. Since 1990 D. Yordanov is a professor at the Geophysical Institute of the Bulgarian Academy of Sciences. In the period 1995–2004 he was the Head of the Department of Atmospheric Physics. In 2004 Dimiter Yordanov was elected corresponding member of the Bulgarian Academy of Sciences.

The range of the scientific interests of Dimiter Yordanov is broad. His work in geophysical hydrodynamics, atmospheric boundary layer physics, pollution transport modeling and air quality studies has sound contribution to these fields of knowledge and is recognized world wide. He is an author of more than 250 scientific papers, co-author of 4 books and 1 textbook. His publications are always original and of very high professional level.

The teaching activity of D. Yordanov is also impressive. He had been a lecturer at the Faculty of Physics of the "St. Kliment Ohridski" University of Sofia, The Technical University of Darmstadt and the Humboldt University in Berlin. He had been a supervisor of more than 20 Master and 6 PhD studies.

Dimiter Yordanov was the pioneer who set the fundaments of the theoretical studies of the atmospheric boundary layer and the atmospheric composition modeling in Bulgaria. He gave the direction and led the professional career of many younger scientists,

including 1 corresponding member of the Bulgarian Academy of Sciences, 2 professors, several Doctors of Sciences and PhDs, 4 associated professors.

Dimiter Yordanov passed away on April 26 2015. With this the National Institute of Geophysics Geodesy and Geography of the Bulgarian Academy of Sciences lost one of his most respected scientists and the world atmospheric studying community lost a really outstanding researcher.



IN MEMORIAM

ACADEMICIAN STOYCHO PANCHEV VALCHEV (06.03.1933 - 30.08.2014)

Academician Stoycho Panchev was born in 1933 in the village Lisets, Lovech. He graduated from Sofia University, Faculty of Physics and Mathematics, specialty physics, meteorology specialization in 1956. In 1959 he defended his PhD thesis and was appointed as an assistant at the Department of Meteorology and Geophysics. In 1963 he was appointed as an associate professor, from 1965 is a doctor of physical and mathematical sciences, from 1970 - professor, 1984 - corresponding member of the Bulgarian Academy of Sciences, 1997 - academician. During the periods 1974 to 1994 he was Head of the Department, 1979-1983 years - Dean of the Faculty of Physics, 1988-1991 years - Vice Chairman of the Bulgarian Academy of Sciences, 1994-1997 years - Vice Chairman of the Higher Attestation Commission. After his retirement from the University, he worked at the Institute of Solar-Terrestrial Influences of Bulgarian Academy of Sciences (2002-2008).

Acad. Panchev is one of the most famous Bulgarian scientists in the field of meteorology. The scientific work of acad. Panchev was focused in the following scientific fields: physics and dynamics of clouds and precipitation; semi empirical and statistical theory of turbulence; atmospheric macroturbulence; dynamic of the equatorial atmosphere and the wave motions; chaos theory; non-linear dynamic of natural and social phenomena; history of physics and so on. He is an author of above 150 scientific papers and 10 books and textbooks in Bulgarian and other languages: "Random Functions and Turbulence" (1965, 1967, 1971, 1976), "Dynamic meteorology" (1981, 1985), "Theory of chaos" (1996), "Fundamentals of atmospheric physics" (2003). He is a co-author of the textbook "General Meteorology" (1978) and the books "Population dynamics and national security" (2005) and "Social dynamics without formulas" (2008). He led dozens of graduate students

and 15 PhD students with completed dissertations.

The proof of high appreciation of the scientific achievements of acad. Panchev is his memberships at the Royal Meteorological Society of United Kingdom, the American Meteorological Society, the International Association of Mathematical Physics, and his participation in editorial staffs of our and foreigner journals. Acad. Panchev is a laureate of the "Dimitrov Prize" for science (1972), medal "St. Kliment Ohridski" of blue ribbon for contributions to the Sofia University (2002), medal "Marin Drinov on ribbon" for contributions to the Bulgarian Academy of Sciences (2003).

With the death of academician Stoycho Panchev, Sofia University "St. Kliment Ohridski" and the scientific community lost a most respected lecturer and outstanding researcher.



100 YEARS SINCE THE BIRTH OF PROF. IVAN-ASSEN PETKOV

Prof. Ivan-Assen Petkov (1915 - 2005) is one of the founders of the geophysics in Bulgaria. His contributions cover almost all topics in geophysics – gravimetry, seismic seismology, prospection, geothermal research, geomagnetism, geotectonics, geomorphology, seismic engineering, geoelectricity and geolithology. Geoscientists face the same challenges: indirect observations, unique events, restricted experiments and intuition. Significant part of the scientific knowledge on the structure of the Earth's crust on the Bulgarian territory is gained by the pioneering studies of Prof. Petkov. In 1938 he graduated in "Physics" and "Mathematics" at Sofia University. His scientific career started in 1941 at the State Institute of Geography, where he performed his first gravimetric measurements together with VI. Hristov. In 1946 he moved at the Direction for geologic prospection. Afterwards, in 1947 - 1948 I. Petkov went to the former USSR for a specialization. At the end of 1948 he leaded the first regional geomagnetic and gravimetric investigations, and at 1949 he started the first seismic prospection in Bulgaria. As a lecturer at Sofia University, I. Petkov gave his first lectures in gravimetry and seismometry in 1953 - 1954 and in 1957 he launched the first course in General Geophysics. The latter became a two-semester course in 1964. I. Petkov made the first measurement of the absolute value of the gravity field in Bulgaria. In 1961 he got his habilitation and became an Associate Professor at Sofia University, founded section "Geophysics" at the Dept. "Meteorology and Geophysics". During the same year he was appointed as a senior researcher at the Geological Institute of the Bulgarian Academy of Sciences, where he founded section "Geophysics"- the first research unit in applied geophysics in Bulgaria. In 1968 I. Petkov became Full Professor at Sofia University. He did a number of theoretical studies on the seismic wave propagation in non-homogeneous media. For the first time he determined the depth to Mohorivicic boundary using gravimetric data and applied the methodology of deep seismic sounding for revealing the structure of Earth's crust. Prof. Petkov studied the seismisity of Bulgaria in relation to anti-seismic construction and seismic micro division. He is a co-author of the first gravimetric, geomagnetic, tectonic, geothermal and seismic forecast maps of Bulgaria. He also published a number of scientific publications, textbooks and monographs.

Prof. Petkov lived and worked during the times of monarchy, socialism and capitalism, but this did not decline him from science and did not change his character. He stayed moderate, calm and delicate, withstanding the talk of the town and following his aims in geophysics.