



Eightieth Anniversary of Vassil Andreev

We are glad to announce that in 2017 our prominent and very respected colleague Corresponding Member of the Bulgarian Academy of Sciences, Prof. DSci. Vassil Andreev celebrated his 80th anniversary.



Vassil Andreev was born on 7 June 1937 in Sofia. He graduated in physics, specialization meteorology at the Faculty of Physics, Sofia University. After his graduation he worked for about four years at Sofia Airport as an aviation meteorologist (aerologist). In 1965 he became a research associate at the Institute of Hydrology and Meteorology at the Bulgarian Academy of Sciences (BAS). Since mid 1966 he had been part-time lecturer, since 1967 - regular assistant and PhD student, and since 1974 - associate professor at the Department of Meteorology and Geophysics of the Faculty of Physics - Sofia University (DMG).

Since 1 March 1983 assoc. prof. Vasil Andreev returned to work at BAS as Deputy Head of the Main Administration of Hydrology and Meteorology. In 1990 he became the first elected director of the hydrometeorological service, which in July 1991, by decision of the Council of Ministers of the Republic of Bulgaria, was renamed to National Institute of Meteorology and Hydrology at BAS (NIMH-BAS). He had been at this position until the end of his mandate in 1993.

From 1994 to 1999 he led the Department “Composition of the atmosphere and hydrosphere”, from 1999 to 2010 – the Education centre at NIMH. Many specialists, technicians and observers from the NIMH observation network passed courses at this centre to raise their professional qualification

In 1998 Vassil Andreev defended successfully his Doctor of Sciences thesis entitled “Modeling of thermal





convection and convective clouds” and in 1999 became full Professor of NIMH-BAS. In 2004, he was elected corresponding member of the Bulgarian Academy of Sciences. For a long period he chaired the Scientific council of NIMH.

The pedagogical activities of Prof. Andreev continued for more than 45 years. He is one of the founders of the postgraduate qualification in the Faculty of Physics – he organized and was main lecturer (1968 – 1971) in the first for the faculty course for aviation meteorologists. At different time periods he lectured the courses on General Meteorology (1974 - 1983), Methods of Meteorological Measurements (1969

- 1975). Since 1976 he founded and led a specialized course in Aviation Meteorology, first in the Department of Meteorology and Geophysics, and since 1995, also in the Department of Air Transport of the Technical University in Sofia. He led almost all the exercises at DMG, and was a founder of some of them. This applies mainly to the “Methods of Meteorological Measurements” exercises, for which he had prepared series of laboratory measurements. For the exercises on “Synoptic Meteorology”, he had designed special boards for drawing, development and analysis of real maps, which are still in use.



He had been scientific advisor of more than 50 graduates, over 10 individual postgraduate and PhD students, some of them being already established scientists, synopticians and aviation meteorologists. Among them is also the current Minister of Environment and Water – PhD Neno Dimov.

The scientific interests and contributions of Vassil Andreev are in the field of atmospheric physics, particularly convective phenomena and clouds, monitoring and forecast of air pollution in urban areas, aviation meteorology, protection of the population from disasters and accidents of hydrometeorological origin, development of methods for forecasting of meteorological elements and phenomena.



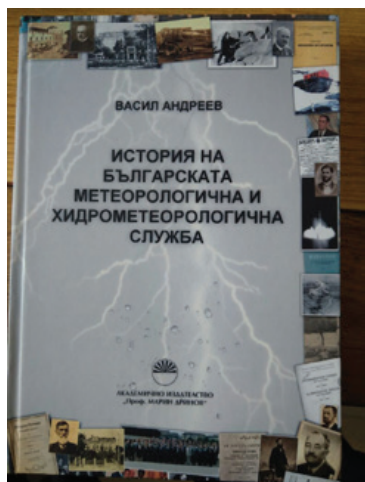
Prof. Andreev is the author of more than 140 scientific publications, 11 monographs and books, two of them abroad. He has written 4 university textbooks (for 3 of them he is the only author). Results from his works have been used as a basis for research by foreign and Bulgarian authors in about 30 publications (articles, chapters of monographs and textbooks).

Prof. Andreev was project manager of many Bulgarian and international projects: the EMEP-Bulgaria program (Cooperative program for the monitoring and evaluation of the long-range transmission of air pollution in Europe); Inventory of emissions of organic compounds from the anthropogenic activity in Bulgaria; Project with the Warsaw University on atmospheric convection; Project on the work of the rocket-sounding station in Ahtopol, as well as many other scientific projects of national and institutional importance. The results obtained in these projects are repeatedly used, e.g. when formulating the country's commitments, conventions, protocols and agreements on the protection of the atmosphere from pollution. He actively participated in the activities of the Commission of Atmospheric and Planetary Geophysics of the Council for Mutual Economic Assistance.

As director of NIMH – BAS, in the period 1991-1993, Prof. V. Andreev was the Permanent Representative of Bulgaria with the World Meteorological Organization (WMO). He had been member of two of the Technical Commissions of WMO - Basic Systems and Aviation Meteorology. For three mandates, he was member of the Working Group on Cloud Dynamics of the International Association on Dynamic Meteorology at the International Association of Meteorology and Atmospheric Sciences and (IAMAS). He is member of the European Atmospheric Pollution Association of the European Meteorological Society (EURASAP).

He participated in many commissions, councils and other national authorities such as: Commission of the Council of Ministers on the Protection of the Population from Disasters and Accidents; Scientific and Expert Council of that Commission; Specialized Scientific Council on Geophysics; Scientific Commission on Physics and Astronomy at the Supreme Attestation Commission; Managing Boards of the National Council for Scientific Research at the Ministry of Education and Science, the Union of Physicist in Bulgaria; and others.

Prof. Andreev participated actively in the promotion of scientific knowledge and achievements. He has considerable contributions as expert in assisting management bodies, business organizations, companies, embassies, etc., and in preparing impact assessment reports on environment. His contribution as author of two editions of the “History of Bulgarian meteorological and hydrometeorological service” has



been highly appreciated by all of his colleagues and the Bulgarian meteorological community.

We wish Prof. Andreev good health and many years dedicated to the family and favorite activities!

Short list of published books and textbooks:

- Andreev V. (1972) – Radiolocation meteorology, Sofia University Press, 94 pp (textbook for postgraduate qualification) (in Bulgarian)
- Andreev V. (1972) – Lectures on tropical meteorology. Sofia University Press, 205 pp (textbook for postgraduate qualification) (in Bulgarian)
- Andreev V, S. Panchev (1975) – Dynamics of atmospheric thermals, Gydrometeoizdat, 152 pp (in Russian)
- Krastanov L, S. Panchev, V. Andreev (1978) – General meteorology, Nauka i izkustvo, 555 pp (in Bulgarian)
- Simeonov P., P. Boev, R. Petrov, D. Syrakov, B. Andreev (1990) - Problems of the fight against hailstorms in Bulgaria, Sofia University press (in Bulgarian)
- Andreev V. (2001) – Aviation Meteorology, Dept. “Air transport”, Technical University Sofia, Active Commerce Press, 346 pp (in Bulgarian)
- Andreev V. (2007) – Convective phenomena in the atmosphere, Marin Drinov Acad. Press, 252 pp (in Bulgarian)
- Andreev V. (2008) – 120 years Bulgarian meteorological and hydrometeorological service, vol. 1 & 2, Demetra, 335 & 272 pp (in Bulgarian)
- Andreev V, V. Alexandrov, E. Batchvarova (2010) - Current risk problems in the atmosphere, Demetra, 278 pp (in Bulgarian)
- Andreev V. (2014) – History of the Bulgarian meteorological and hydrometeorological service, Marin Drinov Acad. Press, 378 pp (in Bulgarian)

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