

PREFACE

The collection contains materials from the International Scientific and Practical Conference «*Relief, climate and surface waters as objects of natural and geographical research (on the 70th anniversary of the departments of earth science and geomorphology, meteorology and climatology, hydrology and hydroecology)*», organized at the Taras Shevchenko National University of Kyiv (Kyiv, October 2-4, 2019).

In 1949, three departments were created at the Faculty of Geography of Taras Shevchenko Kiev State University: Department of Earth Sciences and Geomorphology; Department of Meteorology and Climatology; Department of Hydrology and Hydroecology. In two of them, the original name changed somewhat. So, the Department of Earth Sciences and Geomorphology for a long time was called the Department of Geomorphology (1949-2004). The name of the hydrological department has evolved: Department of Hydrology (1949-1976); Department of Hydrology and Hydrochemistry (1976-2002); Department of Hydrology and Hydroecology (since 2002). The heads of the departments were well-known scientists in Ukraine and abroad.

Heads of the Department of Geography and Geomorphology: doctor of geol. and mineral. sc., professor, honored figure of science of the Ukrainian SSR Zamorii P.K. (1949-1967); candidate geogr. sc., as. professor Grubrin Yu.L. (1967-1975); doctor of geogr. sc., professor Roslyi I.M. (1975-1986); doctor of geogr. sc., professor Koshyk Yu.O. (1986-1994); doctor of geogr. sc., professor Melnychuk I.V. (1994-2002); doctor of geogr. sc., professor Bortnyk S.Yu. (since 2002).

Heads of the Department of Meteorology and Climatology: candidate phys.-math. sc., professor Polovko I.K. (1949-1953); doctor of geogr. sc., professor Popov V.P. (1953-1974); doctor of geogr. sc., professor, laureate of the State Prize of Ukraine Shcherban M.I. (1974-1991); doctor phys.-math. sciences, professor Voloshchuk V.M. (1991-2002); doctor geogr. sc., professor, honored worker of education of Ukraine Snizhko S.I. (since 2002).

Heads of the Department of Hydrology and Hydroecology: doctor of techn. sc., professor Nazarov V.O. (1949-1961); doctor of techn. sc., professor, cor. member Ukr. SSR Academy of Sciences Pyshkin B.A. (1962-1968); candidate geogr. sc., as. professor Pustovoi S.P. (1968-1976); doctor of geogr. sc., professor, honored figure of science of the Ukrainian SSR Peleshenko V.I. (1976-1993); doctor of geogr. sc., professor Gorev L.M. (1993-2000); doctor of geogr. sc., professor, honored figure of science and technology of Ukraine, laureate of the State Prize of Ukraine Khilchevskiy V.K. (2000-2019); doctor of geogr. sc., professor Grebin V.V. (since 2019).

Over 70 years of the department's work, they have come a long way in training natural scientists for the national economy of the former USSR and a number of foreign countries (most in the 1970s for the Socialist Republic of Vietnam), since 1991 - for various sectors of the economy of independent Ukraine. Graduates of these departments work on all continents, participate in expeditions to Antarctica at the Akademik Vernadsky station, and in Ukraine they head geological, hydrometeorological and water management institutions.

The departments are constantly conducting scientific work on the study of relief, climate and surface water through the state budget and contractual topics. Scientists maintain contact with colleagues from domestic and foreign universities: Jagiellonian, Lublin, Warsaw, them. Casimir the Great (Bydgoszcz), Westphalian, Potsdam, etc.

Employees of the departments took part in the creation of such fundamental works as "Atlas of natural conditions and natural resources of the Ukrainian SSR" (1978), "Hydrochemical Atlas of the USSR" (1990), "National Atlas of Ukraine" (2007). Some scientists are awarded the State Prize of Ukraine in the field of science and technology.

The departments have postgraduate courses for the preparation of candidate dissertations (PhD) in the specialties: 11.00.04 - geomorphology and paleogeography; 11.00.07 - hydrology, water resources, hydrochemistry; 11.00.09 - meteorology, climatology, agrometeorology. There is a specialized council for the defense of candidate dissertations.

Modern challenges facing humanity and Ukraine, namely, optimization of anthropogenic impact on the relief; achievement of the UN global sustainable development goals related to the adoption of urgent measures to combat climate change, ensuring the availability and guaranteed management of water resources and sanitation actualizes the need for specialists trained by departments celebrating their 70th anniversary.

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