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Lampič, Barbara

AGRICULTURAL POLLUTION OF THE ENVIRONMENT IN SLOVENIA FROM THE ASPECT OF ENERGY AND NITRATE CONSUMPTION

Level of agricultural pollution of environment, in Slovenia reflected mostly in pollution of underground water with nitrates and pesticides, is presented in the article. Analysis of agricultural pollution of four main landscape types (gravel plains, tertiary hilly areas, mountains areas, karst areas), as well as of Slovenia as a whole, is presented with determination of energetic intensity of agriculture with surpluses of nitrogen.

Mariot, Peter

REGIONAL ASPECTS OF RESULTS OF THE 1999 PRESIDENTIAL ELECTIONS IN SLOVAKIA

Presidential elections by the plebiscite were held in Slovakia first time in May 1999. Inhabitants of the Slovak Republic (SR) confirmed their concern in a cooperation at choosing the head of the state by their relatively high participation in the presidential elections, which was comparable with that recorded at the Parliament elections. An indirect proportionaly was retained between the electoral attendance and the number of inhabitants in the municipality with the lowest attendance being recorded in towns with the population over 20 thousand inhabitants. In the papaper is described the brief analysis of the results form the first presidental elections in Slovakia held in May 1999.

Jarzyna, Krzysztof

ON APPLICATIONS OF ACOUSTIC SOUNDING METHOD TO THE STUDIES ON THE ATMOSPHERIC BOUNDARY LAYER OVER CRACOW - CONTRIBUTION TO MONITORING OF A LARGE CITY SANITARY STATE

In Cracow sounding of the atmospheric boundary layer by a sodar has been carried out since 1979. Becouse of its high temporal and spatial resolution the sodar technique has been widely used in the investigations on thermal stratification of the atmosphere. In this paper, the studies dealing with usage of the sodar for examination of diurnal and annual courses of processes in the atmospheric boundary layer over Cracow and their meteorological conditioning are reviewed. Possibilities of practical application of the study results have been emphasised.

Vaishar, A. - Hlavinková, P. - Máčka, M.

LANDSCAPE, SETTLEMENT AND FLOODS IN THE HANUŠOVICE/JINDŘICHOV MODEL REGION (NORHERN MORAVIA)

The model region is situated in the piedmont of the Hrubý Jeseník Mts. and Králický Sněžník Mts. Upstream the Morava River and its tributaries Branná and Krupá. Flood hazards in the region issue form the location on the contact between the erosional and transport parts of the watershed, and form the drainage pattern configuration. Characteristic are flash floods with a minimum time space between the actual precipitation fall and the onset of the flood wave. In the last 150 years, the centre of settlement shows a principial shift from the protected lacations at higher altitudes to the inundation areas.

Munzar, Jan

FLOODS IN CENTRAL EUROPE AFTER THE EXCEEDINGLY SEVERE WINTER SEASON 1829/1830

The winter 1829/1830 is the most severe and up to these times unsurpassed winter since the beginning of air temperature measurements not only in the territory of the Czech Republic (since 1775 according to the Prague-Klementinum station), but also in a number of other countries in central Europe. A particular attention is paid to the watershed of the Morava River (left-hand tributary of the Danube R.), to the supraregional context of the floods and to the resulting flood losses.

REPORTS

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