

**NEWS**

8<sup>th</sup> Peter Opalka Memorial ..... s. 4  
 BrumCO project among children ..... s. 8

**POPULATION PROTECTION**

Safety systems of nuclear power plant operation ..... s. 9

**INTEGRATED RESCUE SYSTEM**

Basics of the process of person evacuation from tunnels in occurrence of an emergency combined with fire ..... s. 13

**FROM ABROAD**

New security SIPRI Yearbook 2022 and nuclear weapons ..... s. 18

**MOUNTAIN RESCUE SERVICE**

Flying start of summer tourist season in the mountains ..... s. 21

**HELPING THE SCHOOLS**

„Education for the 21<sup>st</sup> Century” – How to prepare teachers and school students for emergencies and crisis situations? ..... s. 24  
 How to prepare the purpose exercise of *Ways of Life and Health Protection and Safe School* ..... s. 29  
 Herbal help that helps us fight the stress and nervousness ..... s. 34

**EDUCATION**

Results of cooperation with universities have proved successful in practice ..... s. 36  
 Capacities of mixed reality utilization in student teaching and rescue services employee training ..... s. 39

**THEORY AND PRACTICE**

Security and population protection – current issues and new challenges ..... s. 44  
 Life and health protection when hurt (injured) by animals ..... s. 47  
 Toxic agent VX ..... s. 52  
 Comprehensive protection and security system of the premises with culture sights, culture value works of art **Part 3** ..... s. 54



Realization of such extensive event aimed at developing civil protection in children of preschool age and school pupils of the primary schools at the 1<sup>st</sup> level, such as Peter Opalka Memorial, we, organizers, consider it being a great challenge for us as far as personal arrangements for instructors at particular stands, number of attendees and the

place of the activity are concerned. Weather forecast gives us a hard time till the last moment. But this year has been exceptional. After two-year involuntary “COVID” break we were expecting with suspense the instructors from the crisis management department of the District Office in Trnava due to uncertain situation in Ukraine as well as number of attending classes since the school pupils of the 3<sup>rd</sup> and 4<sup>th</sup> years from the Primary School in Smolenice were staying in Nature School at that time. But our fears were useless and with a smile on our faces we could say that Peter “Opiš” as his colleagues used to call him, lobbied and the event was more than successful. In addition to well-known faces new ones came to support the Memorial. On particular stands not only personal changes occurred but also generation exchange of the instructors. Read more on pages 4 to 7.

„Education for 21<sup>st</sup> century – How to prepare teachers and school students for emergencies and crisis situations?” In the article in its first part we present role and process of educational changes in the content of the *Life and Health Protection and Security Curriculum* in the future period. Together with the process and phases of the educational changes we present components of the educational field – motion literacy – qualification, resilience against reasons of emergencies and threats in the thematic field of *Life and Health Protection and Security* giving the overview of main threats to life, health and property in Slovakia, most frequent threats, content specialization of student and teacher training with respect to the needs of population civil protection. In addition to this, we inform about practical exercises at the stands of a sports and civil defence purpose exercise titled *Life and Health Protection and Security – Safe School, Ways of Life and Health Protection and Security*. More on pages 24 to 28.



**Issues of individual, family, community and bigger society security, their lives, property and way of life, later protection of their common values, have accompanied mankind development since the prehistoric times. But its content is changing, ways of its organization are also changing. While in the Middle Ages individual means and tools of people security were prevailing,**

society development has gradually claimed the increasing involvement of the state in population protection. Only the 20<sup>th</sup> century due to changes in economic, military-political and social fields has brought significant changes in perception of security and in the need of its provision for the states and their inhabitants. Also present changes in the world are activating broad spectrum of factors that bring new risks and new threats and are signifying new challenges for the countries’ security systems and protection of their inhabitants. Read more on pages 44 to 46.