

Dear friends!

We present to your attention the next issue of the magazine "Precious and decorative stones", in which we have prepared a number of scientific and popular science publications that will be informative for both professional gemologists and connoisseurs of precious and decorative stones.

Forensic experts of the Dnipropetrovsk Research Forensic Center of the Ministry of Internal Affairs of Ukraine P. Baranov and R. Kirin highlighted in his article the problems of legal regulation in the field of gemological examination, which have a rather ambiguous solution in domestic law. The authors analyzed the provisions of regulations, drew attention to the peculiarities of their application. Also, they considered some problems of examination and standardization in gemological legal relations.

The results of complex gemological studies of untreated blue sapphire are described in the article by specialists of the State Gemological Center of Ukraine Yu. Gayevsky and O. Belichenko. According to the results of complex gemological, chemical, physical, optical-microscopic studies of blue sapphire, it was found that the stone was not subjected to heat treatment, which confirms the nature of the studied inclusions. It is determined that the chemical composition of the stone indicates its origin from deposits of the igneous type.

A group of scientists consisting of S. Taranenko, V. Nesterovskiy, O. Makhoty prepared a publication on the results of interdisciplinary study of stone as a building material in the study of monumental buildings of the princely era on the example of the walls of the XII century Pechersk Monastery. The obtained information allows not only to partially reconstruct the stages of construction of the walls in the second half of the XII century, but also to obtain information about the economic life of the monastery.

M. Kosmachova, I. Kolosova, V. Kosmachov dedicates their article to the importance of private geological collections, their role in preserving the destruction of geological rarities, replenishing the funds of natural science museums, promoting geology and gemology.

We would also like to inform you that a new trademark of Labradorite from the Kamyana Pich deposit "Impala Azul" has been registered in the State Gemological Center of Ukraine.

Kindest regards and best of luck!

"Precious and Decorative Stones"

magazine editors