



The Preserved Heritage of Academician Ivan Kostov in the Mineralogy, Petrology and Mineral Commodities Museum of the Sofia University "St. Kliment Ohridski"

Съхраненото наследство на акад. Иван Костов в Музея по минералогия, петрология и полезни изкопаеми към СУ „Св. Кл. Охридски“

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In the Museum of Sofia University "St. Kliment Ohridski" are stored archives and samples of the famous Bulgarian mineralogist Acad. Prof. Dr. Ivan Kostov. They are not only part of the history of the museum, but belong also to the Bulgarian scientific mineralogical heritage.

In 1953 Acad. Kostov was chosen to act as a chairman of the newly established Department of Mineralogy and Crystallography at the SU. As a chairman he had a major contribution to the new setup and pattern of the inherited mineral and rock collections. Some sketches of new display windows, hand-made by Acad. Kostov are preserved, such as the "Mineral Commodities" exposition.

The "Taxonomy" exposition is arranged on the basis of his classification, which is stated in his mineralogy textbook. Nowadays this exposition is in a great aid for the students who study geology at the SU. The "Crystallography" exposition, in which the crystallographic forms are made personally by him, is also very useful to the students.

The newly created exposition called "Bulgarian Regional Collections" is mostly based on the conception of Acad. Kostov for the subdivision of the region of the Rhodope Mountains (Mineralogical Division of the Rhodope Mountains, volume IV, 1963). In this exceptionally exposition are exhibited most of his personal samples, which became the basis for a lot of his scientific publications, his mineralogy textbook and his fundamental work "The Minerals of Bulgaria".

Acad. Kostov's personal samples

- 1958 („Origin of Kyanite from Quartz veins”) – kyanite, From Dervishka Mogila, Sakar Mountain, samples M4214 and M4216;
- 1960 (“Pseudo-malachite and Plumbogummite – New Minerals for Bulgaria”) – pseudo-malachite from Propadnala Voda, Burgas region, sample M1642;
- 1960 (“ The Zeolites of Bulgaria – scolecite, mesolite, natrolite, “gonnardite” and thomsonite”) – thomsonite and gonnardite form Podat, Burgas region, sample M3423; scolecite from Vurli Briag, Burgas region, sample M3097;
- 1961 (“ The Zeolites of Bulgaria: desmin and heulandite”) – stilbite form Fotinovo, Zlatograd region sample M1399; stilbite form Vurli Briag, Burgas region, sample M3411;
- 1961 (“Prenite from Tvurditsa, Burgas”) – the comparative radiographic data in the article from prenite, Tirol, sample 1013 (171/1443);
- 1962 (“The Zeolites of Bulgaria: Analcime, Chabazite, Harmotome”) – analcime from Banevo, Burgas region, sample M3404;
- 1970 (“Characteristics of the Apophyllite from Purvenets, Yambol”) – apophyllite form Purvenets, Yambol region, sample M3416;

Samples from the museum's stock:

- 1964 (“The Minerals of Bulgaria”) – arsenopyrite, Strashimir, sample M177; molybdenite, Klad-

nitsa, sample M5687; wurtzite, Madjarovo, sample M297; galenite, anglesite, cerusite, Madjarovo, sample M301; allanite, Plana, sample M5837; quartz, Zlokuchene, sample M1120, quartz, Galabovo (Ahryane), sample M3628; stilbite, Chupetlovo, sample M3402; vavelite, Madjarovo, sample M3706; apatite, Lipata, sample M1587; cerusite, Madjarovo, sample M1895 and much more.

1993 (“Mineralogy”) – carnallite, Aschersleben, Germany, sample M486; anatas, Rauris, Austria, sample M669; stibnite, Ichinokawa, Japan, sample M367 and others.

In the museum is stored the holotype of the mineral kostovite (AuCuTe_4), sample M6177. The min-

eral was discovered in 1996 by Dr. G. Terziev in Chelopech deposit, Panagyurishte Ore Region, and was named after the internationally acknowledged Bulgarian mineralogist Acad. Ivan Kostov.

Seventy four samples, collected or studied by Acad. Kostov, are preserved in the Museum. The last of his samples was recorded on 23. 10. 2008th. This is sample M6314 – galenite with anglesite from Izdremetz deposit, Vratsa ore district, dated to be collected during the 30's of the twentieth century. It was kindly given by Sv. Petrusenko, after the inventory of the collection of Sen. Res. Mincheva-Stefanova.