

plies are given. All chapters are by the author with the exception of Advanced Facet Cutting, which is by C. G. Waite; Artificial Coloring of Agates, by E. V. Van Amringe; and Cutting Gems by Hand, by C. C. Curtis and J. H. Howard. The Handbook will prove very helpful to all interested in the fashioning of gems.

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## NEW MINERAL NAMES

### Němecite

JAN VÁCLAV KAŠPAR, A new natural ferric silicate. *Rozpravy České Akad.*, **51**, No. 14, 8 pp. (1941); through *Mineralog. Abs.*, **9**, 186 (1946).

Limonite-like incrustations on pyrrhotite, associated with siderite, cronstedtite, and quartz from Chiuzbaja (Kisbánya), Roumania, gave: SiO<sub>2</sub> 28.79, Fe<sub>2</sub>O<sub>3</sub> 40.20, FeO 1.00, S 0.82, H<sub>2</sub>O (+240°) 6.97, H<sub>2</sub>O (-240°) 22.96; sum 100.74%. The formula is H<sub>4</sub>Fe<sub>2</sub>Si<sub>2</sub>O<sub>9</sub> · 5H<sub>2</sub>O, and this is confirmed by the dehydration curve. Sp. gr. = 2.075, H = 2½, isotropic with  $n = 1.608$ . The mineral is named němecite and is believed to be the crystalline phase of the amorphous hisingerite.

DISCUSSION: Canbyite has the same composition excepting for containing less water. (Canbyite also has lower indices of refraction). X-ray study of these minerals is needed. In the absence of definite proof of a new species, this material should not have been given a new name.

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### Kladnoite

RUDOLF ROST, Supplements to the mineralogy of the burning (coal) heaps in the region of Kladno. *Rozpravy České Akad.*, **52**, no. 25, 4 pp. (1942); through *Mineralog. Abs.*, **9**, 186 (1946).

The name kladnoite is given to the organic compound phthalimide, C<sub>6</sub>H<sub>4</sub>(CO)<sub>2</sub>NH, recorded from the burning heaps at Libušín in the coal basin of Kladno, Bohemia. The monoclinic crystals are of "ruler" habit with predominant {100} and prisms {110}, {230}, {120}. Sp. gr. = 1.47. Indices:  $\alpha = 1.501$ ,  $\beta = 1.519$ ,  $\gamma = 1.755$ ,  $\gamma = b$ ,  $\beta : c$  about 16°, melting point 233–235°C.

M.F.