Cell dimensions:
\[ a_0 = 11.32 \text{ A. U.} \]
\[ b_0 = 20.06 \]
\[ c_0 = 6.00 \]

\[ a:b:c \]

\[ X-ray \quad 0.5643:1:0.2991 \]

Pratt \quad 0.5662:1:0.3019

Lattice and space group: face-centered, \( C_{1}^{16} = Fdd2 \); 8 molecules \( \text{CaCO}_3 \cdot \text{Na}_2\text{CO}_3 \cdot 2\text{H}_2\text{O} \) per cell.

Density: calculated, 2.367; measured (Pratt), 2.352.

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NOTE ON SCHIRMERITE

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By making use of A. Harcourt's well-known tables for the identification of ore minerals by means of x-ray powder photographs the author occasionally identified a mineral as schirmerite, \( \text{PbAg}_4\text{Bi}_4\text{S}_9 \). This was unexpected as a spectro-chemical analysis had not shown any presence of bismuth and only traces of silver and lead. The agreement between the \( d \)-values and the intensities from the table and from the x-ray pattern was perfect. A closer inspection showed, however, that the \( d \)-values fit an isometric structure with a cube length of 10.36 kX. All the 27 lines, except one \( (d = 2.82 \text{ kX}) \) having an intensity of only 0.2, can be indexed according to the criteria of the space-group \( T_d^3 - I43m \). So it must be concluded that the specimen used by Harcourt was a member of the tetrahedrite group. It may be pointed out that the specimen used by him was not obtained from the original schirmerite locality.


The Annual Meeting of the Society for Experimental Stress Analysis will be held at The Roosevelt Hotel, Pittsburgh, Pennsylvania, on May 27, 28, 29, 1948. Inquiries may be addressed to the Society for Experimental Stress Analysis, P. O. Box 168, Cambridge 39, Massachusetts.