

down into plastic sulfur. A perceptible surface film of plastic sulfur is formed on the crystals in a few minutes after they are exposed to air, and the crystals are largely converted after an hour or so. The plastic-sulfur stage is accompanied by a relatively slow recrystallization into orthorhombic sulfur. Hard, polycrystalline pseudomorphs are formed after a day or so. The rate of breakdown, relatively slow if the crystals are kept in the dark in the mother liquid, is markedly accelerated by exposure to X-rays.

X-ray powder photographs could not be obtained. Single crystals examined by the Weissenberg and rotation methods gave a cell with $a_0 = 10.9$, $c_0 = 4.26$ kX. in hexagonal coordinates ($a_0 : c_0 = 1 : 0.392$). The unit cell contains 18 atoms of S; the calculated gravity is 2.17 and the measured gravity (Engel) is 2.135. The measured gravity of orthorhombic sulfur is 2.07. The crystal forms

observed are $\{11\bar{2}0\}$ and $\{10\bar{1}1\}$ in the orientation and unit of the structure cell ($a : c = 1 : 0.393$, morphology). A Weissenberg zero-layer photograph about $[0001]$, very poor in quality, indicated this axis to be three-fold without vertical planes of symmetry. This observation and the crystal habit indicate the point symmetry to be $\bar{3}$ (trigonal rhombohedral class). The lattice type, which may be hexagonal or rhombohedral in this crystal class, could not be decided upon from the available X-ray photographs. It may be noted that this polymorph of sulfur is not isostructural with the hexagonal (32) polymorphs of selenium and tellurium.

References

- ATEN, A. H. W. (1914). *Z. phys. Chem.* **88**, 321.
 ENGEL, R. C. (1891). *C.R. Acad. Sci., Paris*, **112**, 866.
 FRIEDEL, C. (1891). *C.R. Acad. Sci., Paris*, **112**, 834.

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Corrigenda: The molecular structure of thiophthen from X-ray crystal analysis. By E. G. COX R. J. J. H. GILLOT and G. A. JEFFREY. *Department of Inorganic and Physical Chemistry, The University of Leeds, England.*

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In discussing the accuracy of the structure analysis (Cox, Gillot & Jeffrey, 1949) we omitted a factor of $1/\sqrt{2}$ from the calculation of the standard deviations of the carbon peak positions. The values given on p. 361 should read

$$\sigma_x = 0.0085, \quad \sigma_y = 0.0085, \quad \sigma_z = 0.0113 \text{ \AA.}$$

A compensating error of omission was made in the formula for the significance tests, which should read

$$P = \frac{1}{2} - \frac{1}{2} \operatorname{erf} [\Delta/(\sqrt{2}) \sigma].$$

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Vector sets, a correction. By M. J. BUERGER, *Crystallographic Laboratory, Massachusetts Institute of Technology, Cambridge, Massachusetts, U.S.A.*

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An error occurs in Table 1 (Buerger, 1950). Fourteen space groups appear in the middle column, opposite the entry $C\bar{3}1m$ in the right column of the table. The entry $C\bar{3}1m$ should pertain to only seven space groups, the remaining seven pertaining to an additional entry $C\bar{3}m1$. The correct arrangement for these two columns is

$$\begin{array}{lll} C31m, C31c; C312, C3_112, C3_212; C\bar{3}1m, C\bar{3}1c & C\bar{3}1m \\ C3m1, C3c1; C321, C3_121, C3_221; C\bar{3}m1, C\bar{3}c1 & C\bar{3}m1 \end{array}$$

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International Union of Crystallography

Second General Assembly and International Congress, Stockholm, 27 June–3 July 1951

By kind invitation of the Swedish National Committee for Crystallography the Second General Assembly and International Congress of the Union will be held in Stockholm from 27 June to 3 July 1951. These dates have been chosen in consultation with the Swedish National Committee and with the National Committees of all the Adhering Bodies. A Local Committee has been established in Stockholm under the Chairmanship of A. WESTGREN, Vice-President of the Union, with F. E. WICKMAN as Secretary.

The values given in Table 6 therefore remain unchanged, as does the subsequent discussion of accuracy based on the significance tests.

Reference

- COX, E. G., GILLOT, R. J. J. H. & JEFFREY, G. A. (1949). *Acta Cryst.* **2**, 356.

Reference

- BUERGER, M. J. (1950). *Acta Cryst.* **3**, 87.

Membership

Delegates to the General Assembly, which will be concerned with the formal business of the Union, will be nominated by the National Committees. Crystallographers throughout the world are, however, cordially invited to attend the International Congress; it is particularly hoped that they will assist the Union by bringing the Congress to the notice of their colleagues, by press announcements and otherwise, so that the attendance