

The structure of dickite: correction

Errors occur in the above article by R. E. Newnham & G. W. Brindley (*Acta Cryst.* (1956), 9, 759). In Table 4 the refined x/a coordinates should read 0.273 in place of 0.263 for atom O₂, and 0.763 in place of 0.773 for atom O₃.

The Si-O distances of Table 6 have been re-checked by the authors and differ slightly from those given previously. The amended values are:

Si ₁ -O ₁	1.61 Å	Si ₂ -O ₁	1.62 Å
Si ₁ -O ₂	1.64	Si ₂ -O ₂	1.66
Si ₁ -O ₃	1.62	Si ₂ -O ₃	1.63
Si ₁ -O ₄	1.62	Si ₂ -O ₅	1.68
Average Si-O, 1.635 Å			

Crystallographic calculations on the high-speed digital computer SWAC: correction

An error occurs in equation (19) of the above paper by R. A. Sparks, R. J. Prosen, F. H. Kruse & K. N. Trueblood (*Acta Cryst.* (1956), 9, 350): only the *numerator* of the right side of the equation should be raised to the power 0.5. Thus the equation should read:

$$\frac{1}{L} = \frac{\sqrt{(\sin^2 \theta - \sin^4 \theta)}}{1 - 2(\sin^2 \theta - \sin^4 \theta)} \quad (19)$$

Kristallografiya

Volume 1, Part 4, (1956)

Articles

- German Stepanovich Zhdanov (On his fiftieth birthday). A. F. KAPUSTINSKIY. The dimensions of the atoms and ions of the transuranic elements in crystals.
- L. P. KHOLODENKO. The theory of the hysteresis phenomena in barium titanate.
- S. A. SEMILETOV. The electronographic determination of the structure of antimony telluride.
- G. A. KUROV and Z. G. PINSKER. On the nature of amorphous antimony.
- M. V. KLASSEN-NEKLJUDOVA and A. A. URUSOVSKAJA. The influence of a state of non-uniform stress on the mechanism of plastic deformation of the halogenides of thallium and caesium.

- E. V. KOLONTSOVA, I. V. TELEGINA and G. M. PLAVNIK. On the structure of the slip bands of certain ionic crystals.
- V. I. STARTSEV, V. M. KOSEVICH and JU. S. TOMENKO. Investigation of the intersection of twinned layers in single crystals of calcite.
- V. I. STARTSEV, V. M. KOSEVICH and JU. S. TOMENKO. Investigation of the intersection of twinned layers in single crystals of antimony, bismuth and zinc.
- V. V. ZUBENKO and M. M. UMANSKIY. X-ray determination of the thermal expansion coefficients of polycrystalline substances in the range -50° C. to +100° C.
- JA. I. GRAEVSKAJA, V. I. IVERONOVA and V. P. TARASOVA. A specialized apparatus for determining the intensities of X-ray reflexions by means of Geiger counters.
- M. M. UMANSKIY and D. M. KHEJKER. X-ray goniometric methods of investigating crystals.
- JU. K. IOFFE. X-ray apparatus for structure analysis with ionization recorders of types URS-50 I and URS-25 I.
- V. A. FRANK-KAMENETSKIY, M. A. RUMSH and A. I. KOMKOV. An X-ray camera for the investigation of crystals with and without faces (KRON-1).

Short communications

- B. K. VAJNSHTEJN and A. N. LOBACHEV. On the establishment of the character of the electron scattering (dynamic or kinematic) in structure determinations by electron diffraction.
- N. V. BELOV. On the one-dimensional infinite crystallographic groups.
- G. G. LEMMLEJN and E. D. DUKOVA. The approximation of the centres of two spirals of opposite sign in the process of crystal growth.
- E. A. SHUGAM and L. M. SHKOL'NIKOVA. Investigation of the crystal structures of aluminium and chromium acetylacetonate.
- I. S. ZHELUDEV and V. F. PARVOV. The phase transitions and the domain structure of barium titanate at 120° C. and 5° C.
- L. G. CHENTSOVA. The question of the nature of the colour centres in smoky quartz.
- S. S. KVITKA. A monochromator with a plane crystal for the BSV-4 tube.

Books Received

The undermentioned works have been received by the Editors. Mention here does not preclude review at a later date.

- Elements of X-ray Diffraction.** By B. D. CULLITY. Pp. xiv + 514 with many figs. and tables. Reading, Massachusetts: Addison-Wesley. 1956. Price \$10.00.
- Order-Disorder Phenomena.** By E. W. ELCOCK. Pp. ix + 166 with many figs. London: Methuen; New York: Wiley. 1956. Price 11s.
- Théorie et Technique de la Radiocristallographie.** By A. GUINIER. Pp. xviii + 736 with 350 figs. and many tables. Paris: Dunod. 2nd ed. 1956. Price 9,500 fr.
- Elementary Crystallography.** By M. J. BUERGER. Pp. xxiii + 528 with many figs. New York: Wiley. London: Chapman and Hall. 1956. Price \$ 8.75; 70s.
- Les Dislocations.** By J. FRIEDEL. Pp. vii + 314 with many figs. Paris: Gauthier-Villars. 1956. Price 3,500 fr., \$ 10.20; bound 3,800 fr., \$ 11.05.
- Synthetic Polypeptides.** By C. H. BAMFORD, A. ELLIOTT and W. E. HANBY. Pp. xiii + 445 with many figs. and tables. New York: Academic Press; London: Academic Books. 1956. Price \$ 10.00.