

### 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 O<sub>2</sub>, and 0.763 in place of 0.773 for atom O<sub>3</sub>.

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 <sub>1</sub> -O <sub>1</sub> | 1.61 Å | Si <sub>2</sub> -O <sub>1</sub> | 1.62 Å |
| Si <sub>1</sub> -O <sub>2</sub> | 1.64   | Si <sub>2</sub> -O <sub>2</sub> | 1.66   |
| Si <sub>1</sub> -O <sub>3</sub> | 1.62   | Si <sub>2</sub> -O <sub>3</sub> | 1.63   |
| Si <sub>1</sub> -O <sub>4</sub> | 1.62   | Si <sub>2</sub> -O <sub>5</sub> | 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

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#### 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. ZHELUEV 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.