

**Kristallografiya**

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*Articles*

- Aleksei Vasil'evich Shubnikov (on his 70th birthday).  
 A. M. ZAMORZAEV and E. I. SOKOLOV. The symmetry and various kinds of antisymmetry of finite figures.  
 A. M. ZAMORZAEV. Generalization of the Fedorov groups.  
 N. V. BELOV and E. N. BELOVA. Mosaics for the 46 plane (Shubnikov) groups of antisymmetry and for the 15 (Fedorov) colour groups.  
 V. A. MOKIEVSKII and I. I. SHAFRANOVSKII. The symmetry, antisymmetry and pseudosymmetry of induced surfaces.  
 B. K. VAINSHTEIN. The theory of the method of radial distribution.  
 YU. TASEPULATOV, Z. V. ZVONKOVA and G. S. ZHDANOV. X-ray structural investigation of captax (2-mercaptobenzthiazol).  
 R. N. KUZ'MIN, G. S. ZHDANOV and N. N. ZHURAVLEV. Metallographic and X-ray investigation of alloys in the system antimony-indium.  
 T. L. KHOTSYANOVA. The crystal structures of the halogenides of diphenyliodonium.  
 G. A. KUROY, S. A. SEMILETOV and Z. G. PINSKER. The electrical properties and real structure of single-crystal plates of germanium obtained by vacuum evaporation.  
 B. G. LYASHCHENKO, D. F. DITVIN, I. M. PUZEI and YU. G. ABOV. Neutronographic investigation of iron-nickel alloys of the permalloy class.  
 N. E. VEDENEVA and L. I. TSUKERMAN. The state of fixation of cations of methylene blue on crystallites of montmorillonite and the capability of the latter for forming textured layers.  
 N. M. MELANKHOLIN. Anomalous dispersion of the bisectrix in crystals of organic dyes.  
 V. L. INDENBOM. On the possibility of finding Dauphiné twinning in quartz by optical methods.  
 I. S. ZHELUEV. Symmetry and the piezo-electric properties of crystals and textures.  
 V. A. KOPTSIK. On the superposition of symmetry groups in crystal physics.  
 V. A. BAZHENOV. Wood as a piezo-electric texture.  
 S. V. BOGDANOV, B. M. VUL and R. YA. RAZBASH. The shear piezo-electric modulus of polarized barium titanate.  
 L. A. SHUVALOV. The dielectric and piezo-electric properties of polarized ceramic BaTiO<sub>3</sub> in various ferro-electric phases.  
 V. M. FRIDKIN. Electrophotography on photoelectrets.  
 M. V. KLASSEN-NEKLYUDOVA and A. A. URUSOVSKAYA. Plastic deformation of crystals caused by rotation of the lattice without the formation of slip lines.  
 K. S. ALEKSANDROV. The propagation of elastic shear waves in a crystal rotated about a special direction.  
 V. K. SEMENCHENKO. Phase transitions and critical phenomena in anisotropic phases.  
 M. I. KOZLOVSKII. Observation of the layer-spiral growth of crystals from solution.  
 G. B. BOKII and O. G. KOZLOVA. Crystallographic criteria for selecting fluorspar for obtaining synthetic crystals of optical fluorite from it.  
 V. I. MIKHEEV and I. I. SHAFRANOVSKII. Edge forms and striations on crystals.  
 V. A. SHAMBUROV. Dividing mechanisms based on the crystallographic principle of the close packing of geometrically identical bodies.

*Short communications*

- Z. G. PINSKER, S. V. KAVERIN and N. V. TROITSKAYA. Electronographic investigation of molybdenum nitrides.  
 B. B. ZVYAGIN and R. A. SHAKHOVA. Electronographic investigation by reflexion of powder specimens of celadonite.  
 S. S. BATSANOV and V. I. PAKHOMOV. On the changes in the character of chemical bonds on change of coordination number.  
 S. V. GRUM-GRZHIMAILO and M. G. ENIKEEVA. On the oscillatory 'structure' of the absorption spectra of crystals the colour of which is due to isomorphous impurities.  
 V. L. INDENBOM and G. E. TOMILOVSKII. Macroscopic edge dislocations in crystals of corundum.  
 N. V. ALYAVDIN, N. N. SHEFTAL' and Z. I. FROLOVA. The growth of uniform crystals of Rochelle salt from strongly supersaturated solutions.  
 I. N. ANIKIN. The hydrothermal synthesis of scheelite.  
 E. M. AKYLENOK, KH. S. BAGDASAROV and V. YA. KHAIMOV-MAL'KOV. The question of the influence of mechanical mixing and ultrasonic oscillations on the process of the entrapment of impurities by single crystals.  
 S. S. BOKSHA. A new method of producing super-high gas pressures.

**Books Received**

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

**Teoría de los Métodos Roentgenográficos del Cristal Giratorio.** By FERNANDO HUERTA. Pp. 135. Madrid: Instituto de Física 'Alonso de Santa Cruz'. 1955. Price 50 pesetas.

**Laboratory Manual of Crystallography for Students of Mineralogy and Geology.** By G. TUNELL and J. MURDOCH. Pp. 54. Dubuque, Iowa: Brown. Price \$2.75.