

BIBLIOGRAPHY

- Aleshkov A.N. (1933)* The North Ural quartz mining party. — In: The USSR Academy of Sciences 1932 expeditions. Leningrad: pp. 143-148 (Rus).
- Aleshkov A.N. (1935)* In the Subpolar Urals' northern part. — Proc. of Glacial party of the USSR Academy of Sciences, iss. 4, pp. 150-176 (Rus).
- Aleshkov A.N. (1936)* Rock crystal exploration in the Urals. — The USSR Academy of Sciences expeditions in 1934. — Proc. USSR Acad. Sci. Council for Productive Forces Examination, pp. 125-129. (Rus).
- Aleshkov A.N. (1937₁)* Geological outline of the Neroika Mt. region. — Proc. USSR Acad. Sci. Council for Productive Forces Examination, Ural series, iss. 6, pp. 3-55. (Rus).
- Aleshkov A.N. (1937₂)* A geological outline of the Sura-Iz region. — Proc. USSR Acad. Sci. Council for Productive Forces Examination, iss. 6, pp. 57-86. (Rus).
- Askhabov A.M. and Bukanov V.V. (1976)* The role of dislocations in the regeneration of quartz natural crystals. — Doklady of the USSR Acad. Sci., vol. 228, no. 4, pp. 944-947. (Rus).
- Balitskii V.S., Bukanov V.V., and Karyakina T.A. (1972)* Morphology of vicinal faces on quartz crystals' main rhombohedrons depending on the growth conditions. — In: Crystal growth, Moscow: Nauka, vol. 9, pp. 44-48. (Rus).
- Barker C. and Torkelson B.E. (1975)* Gas adsorption on crushed quartz and basalt. — Geochim. et Cosmochim. Acta, vol. 39, pp. 212-218.
- Bebout G.E. (1997)* Nitrogen isotope tracers of high-temperature fluid-rock interactions: Case study of the Catalina Schist, California — Earth and Planet. Sci. Lett., vol. 151, pp. 77-90.
- Belyakov M.F. (1940)* Axinite finds in Subpolar Urals. — Zap. Vsesoyuz. Mineral. Obshchestva, part 69, iss. 4, pp. 541-545. (Rus).
- Belyakov M.F. (1945)* Lazulite from quartz vein of Sura-Iz Mt. region, Subpolar Urals. — Doklady of the USSR Acad. Sci., n. series, vol. 47, no. 2, pp. 127-129. (Rus).
- Belyakov M.F. (1946)* The Parnuk rock crystal deposit, Subpolar Urals. — Sovetskaya Geologiya, no. 12, pp. 75-78. (Rus).
- Bergkristal. — Stein der Weisen und der Wissenschaft (1992). — extraLapis, No. 3, 96 S.
- Bonshtedt-Kupletskaya E.M. (1943)* The sphene crystals from the Subpolar Urals. — Zap. Vsesoyuz. Mineral. Obshchestva, part 72, no. 2, pp. 116-124. (Rus).
- Boyd S., Wright I.P. and Pillinger C.T. (1997)* Stepped-heating of carbonates and carbon-bearing quartz grains. — Chemical Geology, vol. 134, pp. 303-310.
- Bukanov V.V. (1961)* Apatite from the veins of Alpine type, Subpolar Urals. — Zap. Vsesoyuz. Mineral. Obshchestva, part 90, iss. 5, pp. 607-614. (Rus).
- Bukanov V.V. (1966)* Mineralogy of the Neroika run of rock crystal, Subpolar Urals. — Candidate's dissertation, Leningrad, 205 p.
- Bukanov V.V. (1966)* On the axinite symmetry. — Zap. Vsesoyuz. Mineral. Obshchestva, part 95, iss. 3, pp. 345-348. (Rus).
- Bukanov V.V. (1974)* Rock crystal from Subpolar Urals. Leningrad: Nauka, 212 p.
- Bukanov V.V. and Askhabov A.M. (1974)* Rhythmical growth of natural crystals of quartz with alternation of solution and regeneration. — IV Internat. Confer. On Crystal Growth. Tokyo, pp. 263-264.
- Bukanov V.V. and Karyakina T.A. (1968)* New data on quartz crystal morphology. — Proc. Institute for Geology of the USSR Acad. Sci. Komi branch, iss. 9, pp. 72-81. (Rus).
- Bukanov V.V. and Kepezhinkas K.B. (1970)* Chlorites from quartz veins. — Geology and Geophysics, no. 2, pp. 41-46. (Rus).
- Bukanov V.V. and Makhanyok E.K. (1972)* Amethyst genesis in quartz veins. — In: Magmatism, Metamorphism and Metallogeny of Northern Urals and Paj-Khoi, Syktyvkar, pp. 114-115. (Rus).
- Bukanov V.V. and Markova G.A. (1969)* On the smoky and citrine colors of natural quartz. — Doklady of the USSR Acad. Sci., vol. 187, no. 3, pp. 645-647. (Rus).
- Bukanov V.V. and Melnikova E.M. (1966)* Axinite from Alpine veins of Subpolar Urals. — In: The Petrography and Mineralogy of Subpolar Urals and Timan. Leningrad: Nauka, pp. 64-72. (Rus).
- Bukanov V.V. and Shvetsova I.V. (1966)* Typomorphic features of accessory monazite from Subpolar Urals Alpine veins. — Mineralogical Volume of Lvov University, no. 20, iss. 4, pp. 595-599. (Rus).
- Bukanov V.V. and Yushkin N.P. (1969)* The morphology of scheelite crystals from rock crystal veins. — Mineralogical Volume of Lvov University, no. 23, iss. 2, pp. 138-145. (Rus).
- Bukanov V.V. and Yushkin N.P. (1971)* Physical and chemical destruction of scheelite crystals. — In: Mineralogy and Geochemistry of Tungsten Deposits. Leningrad: Leningrad University, pp. 181-190. (Rus).
- Bukanov V.V., Bukanova V.A. (1967)* A new genetic type of scheelite mineralization. — Proc. Institute for Geology of the USSR Acad. of Sci. Komi branch, iss. 8, pp. 62-66. (Rus).
- Bukanov V.V., Bukanova V.A., and Nikitenko P.P. (1973)* New data on svanbergitization as a process of wall-rock alternation. — In: Geology and Minerals of the USSR Northeastern European Part and Northern Urals, Syktyvkar: vol. 2, pp. 514-520. (Rus).
- Bukanov V.V., Bukanova V.A., and Vasilevskii N.D. (1972)* Typomorphic accessory minerals in metasomatic rocks around quartz pockets. — Yearbook of Institute for Geology of the USSR Acad. Sci. Komi branch, pp. 152-157. (Rus).
- Bukanov V.V., Kepezhinkas K.B., and Arnaudov N.V. (1968)* Physical properties of chlorites from quartz veins of Subpolar Urals. — Proc. Institute for Geology of the USSR Acad. Sci. Komi branch, iss. 9, pp. 61-71. (Rus).
- Bukanov V.V., Raznitsyna L.A., and Yushkova G.E. (1966)* Chlorite from Alpine veins of Neroika Mt. region, Subpolar Urals. — In: The Petrography and Mineralogy of Subpolar Urals and Timan. Moscow: Nauka, pp. 81-97. (Rus).
- Bukanov V.V., Strashnenko G.I., and Akkermantsev S.M. (1971)* A comparative study of citrine crystals from Subpolar and Northern Urals. — In: On Most Important Results of Scientific Studies in the Institute for Geology. Yearbook, Syktyvkar: pp. 138-144. (Rus).

- Bukanova V.A. and Khlybov V.V. (1968)* An instance of granite endogenic argillization around rock crystal pockets. - Proc. Institute for Geology of the USSR Acad. Sci. Komi branch, iss. 9, pp. 35-48. (Rus).
- Bukanova V.A. and Nikitenko I.P. (1971)* Morphological features of accessory zircon crystals from off-vein metasomatites in quartzites of Subpolar Urals. - Proc. Institute for Geology of the USSR Acad. Sci. Komi branch, iss. 15, pp. 94-99. (Rus).
- Burlakov E.V. (1986)* Parageneses of rock crystal bearing veins and fault zones in the Neroika Region, Subpolar Urals. — In: The New and Underinvestigated Minerals and Mineral Associations in the Urals, Sverdlovsk: Ural Scientific Center of USSR Acad. Sci., pp. 137-138. (Rus).
- Burlakov E.V. (1989)* The mineralogy of quartz vein deposits, mineralogical and geochemical signs of ore controlling tectonic faults (evidence from Neroika Region, Subpolar Urals). Autoabstract of Candidate's dissertation. Syktyvkar: 20 p.
- Burlakov E.V. (1999)*. The Dodo deposit, Subpolar Urals, Russia - Mineralogical Record. 30: 427-442.
- Burlakov E.V. and Skobel' L.S. (1988)* The quartz veins of one of Ural region. - Proc. Institute for Geology of the USSR Acad. Sci. Komi branch, iss. 63, pp. 55-66. (Rus).
- Burlakov E.V. and Yakovleva O.A. (1988)* Some new minerals from rock crystal veins of Subpolar Ural eastern flank. — In: New Data on Mineralogy of Urals, Sverdlovsk: USSR Acad. Sci. Ural Branch, pp. 7-11. (Rus).
- Eshkin V.Yu. (1960)* Some features of genesis and mineralogy of rock crystal deposits in marbles of Subpolar Urals. - Proc. VNIIP, vol. 3, iss. 2, pp. 29-38. (Rus).
- Eshkin V.Yu. (1961)* Mineralogy of rock crystal bearing quartz veins in Pelingichei-3 Deposit, Subpolar Urals. Candidate's dissertation. Leningrad: Kozhim Geological Exploration Party. Location of original: Komigeolfond
- Eshkin V.Yu. (1962)* Stolzite from a rock crystal deposit in Subpolar Urals. - Zap. Vsesoyuz. Mineral. Obshchestva, part 91, iss. 2, pp. 207-211. (Rus).
- Eshkin V.Yu. (1965)* Native gold in a rock crystal bearing quartz vein, Subpolar Urals. - Zap. Vsesoyuz. Mineral. Obshchestva, part 94, iss. 2, pp. 203-204. (Rus).
- Grigoriev D.P. (1944)* New observations of crystal gravitational movement in Alpine veins of Subpolar Urals. - Doklady of the USSR Acad. Sci., vol. 44, no. 5, pp. 217-219. (Rus).
- Grigoriev D.P. (1946)* Some manifestations of gravity effect on mineral genesis and distribution in deposits. - Zap. Vsesoyuz. Mineral. Obshchestva, part 75, iss. 2, pp. 153. (Rus).
- Grigoriev D.P. (1947)* On the mineral genesis. - Zap. Vsesoyuz. Mineral. Obshchestva, part 76, iss. 1, pp. 51-62. (Rus).
- Grigoriev D.P. (1958)* On the quartz cleavage manifestation in nature. - Zap. Vsesoyuz. Mineral. Obshchestva, part 87, iss. 4, pp. 418-511. (Rus).
- Grigoriev D.P. (1959)* On the crystallization rate of minerals. - Zap. Vsesoyuz. Mineral. Obshchestva, part 88, iss. 5, pp. 497-511. (Rus).
- Grigoriev D.P. (1960)* The origin of quartz as a fissure mineral of the Alpine type with special reference occurrence in the USSR. — Cursillo conferencias, Fasc. VII, pp. 63-76.
- Grigoriev D.P. (1960)* The quartz genesis in Alpine veins on the USSR territory. — Proc. VNIIP, vol.4, iss. 1, pp. 5-15. (Rus).
- Grigoriev D.P. (1961)* Ontogeny of Minerals. Lvov: 284 p.
- Grigoriev D.P. (1968)* Wachstum und Formen der Minerale. — Ber. Deutsch. Ges. Geol. Wiss. B. Miner. Lagerst., Bd. 13, No 3, SS. 289-303.
- Grigoriev D.P. (1971)* On the regularities of crystal anatomy. - Crystallography, vol. 16, iss. 6, pp. 1226-1229/
- Grum-Grzhimailo S.V. and Kozhina T.K. (1958)* Chlorites from rock crystal bearing veins of Subpolar Urals. - Mineralogical Volume of Lvov Geol. Soc., no. 12, pp. 351-362. (Rus).
- Ikornikova N. Yu. (1946)* On the brookite optical anomalies. - Doklady of the USSR Acad. Sci., vol. 53, no. 3, pp. 255-258. (Rus).
- Ikornikova N. Yu. (1948₁)* Color of brookite. - Doklady of the USSR Acad. Sci., new series, vol. 59, no. 8, pp. 1481-1484. (Rus).
- Ikornikova N. Yu. (1948₂)* Admixtures in brookite. - Doklady of the USSR Acad. Sci., new series, vol. 59, no. 9, pp. 1627-1630. (Rus).
- Ikornikova N. Yu. (1948₃)* Microhardness of real crystal as exemplified by brookite. - Doklady of the USSR Acad. Sci., new series, vol. 59, no. 7, pp. 1329-1332. (Rus).
- Ikornikova N. Yu. (1948₄)* On the brookite morphology. - Zap. Vsesoyuz. Mineral. Obshchestva, part 77, iss. 4, pp. 258-266. (Rus).
- In'shin E.D. (1954)* Geological features and formation temperatures of rock crystal bearing veins in Subpolar and Southern Urals. Candidate dissertation.
- In'shin E.D. (1959)* Temperatures of quartz crystal formation in Urals. — Zap. Vsesoyuz. Mineral. Obshchestva, East Siberian branch, iss. 1, pp. 89-96. (Rus).
- Irwin J.J. (1994)* A laser microprobe, mass spectrometric study of Ar, Kr, K, Cl and Br in an "unconformity garnet", associated fluid inclusions, staurolite and micas from Vermont, U.S.A — Geochim. et Cosmochim. Acta, vol. 115, pp. 153-170.
- Karyakin A.E. (1948)* On the relation of exterior and quality of quartz crystals. - Zap. Vsesoyuz. Mineral. Obshchestva, part 77, iss. 4, pp. 272-279. (Rus).
- Karyakin A.E. (1949)* The genetic connection of rock crystal pockets with quartz veins and the cavity origin. — Zap. Leningrad Mining Institute, vol. 23, pp. 153-157. (Rus).
- Karyakin A.E. (1953₁)* The types and rock crystal potential of quartz veins in the Subpolar Urals. - Zap. Leningrad Mining Institute, vol. 28, pp. 117-128. (Rus).
- Karyakin A.E. (1953₂)* On the genesis of rock crystal pockets. - Doklady of the USSR Acad. Sci., vol. 92, no. 5, pp. 1023-1025. (Rus).
- Karyakin A.E. (1954₁)* Fluid inclusions and color of quartz crystals as criteria for determining age of rock crystal pocket. - Zap. Vsesoyuz. Mineral. Obshchestva, part 83, iss. 4, pp. 348-354. (Rus).
- Karyakin A.E. (1954₂)* Nucleation, growth, and destruction of quartz crystals. - Zap. Vsesoyuz. Mineral. Obshchestva, part 83, iss. 1, pp. 11-23. (Rus).
- Karyakin A.E. (1955₁)* The host rocks as material sources for minerals of rock crystal bearing pockets. - Zap. Leningrad Mining Institute, vol. 30, pp. 119-141. (Rus).
- Karyakin A.E. (1955₂)* Indicators for rock crystal bearing pockets. - Zap. Leningrad Mining Institute, vol. 31, pp. 55-68. (Rus).
- Karyakin A.E. (1955₃)* On quartz crystal exterior depending on the environment chemical composition. - In: Crystallography, A volume of Leningrad university, iss. 4, pp. 80-85. (Rus).

- Karyakin A.E. (1955.)* On quartz crystal color depending on chemical composition of rock crystal pocket host rock. – In: Crystallography, A volume of Leningrad university, iss. 4, pp. 86-91. (Rus).
- Karyakin A.E. (1958.)* The source of silica for quartz veins and rock crystal pockets in Subpolar Urals. – Proc. VNIIP, vol. 2, iss. 1, pp. 25-36. (Rus).
- Karyakin A.E. (1958.)* Mineral associations of rock crystal pockets depending on host rock chemical composition. – Zap. Leningrad Mining Institute, vol. 33, iss. 2, pp. 141-147. (Rus).
- Karyakin A.E. (1959)* The ways for solution movements and formation mechanism for rock crystal pockets in Subpolar Ural. – Zap. Leningrad Mining Institute, vol. 34, iss. 2, pp. 47-61. (Rus).
- Karyakin A.E. (1960)* Age of the rock crystal bearing quartz veins of Soviet Union. – Proc. VNIIP, vol. 3, iss. 2, pp. 5-12. (Rus).
- Karyakin A.E. (1962)* On the formation and mouth opening of cracks hosting rock crystal bearing quartz veins in Subpolar Urals. – Proc. VNIIP, vol. 7, pp. 27-39. (Rus).
- Karyakin A.E. and Piznyur A.V. (1965)* Vertical and lateral zonality at mineral formation. – Mineralogical Volume of L'vov Univ., no. 19, iss. 2, pp. 220-225. (Rus).
- Karyakin A.E. and Smirnova V.A. (1967)* The Structures of Rock Crystal Bearing Fields, Moscow: 240 p.
- Karyakin A.E. and Smirnova V.A. (1980)* The zonal disposal of quartz veins in Subpolar Urals. – In: Geology, prospecting and exploration for non-metalliferous minerals. Leningrad Mining Inst., iss. 5, pp. 3-6. (Rus).
- Kelley S., Turner G., Butterfield A.W., and Shepherd T.J. (1986)* The source and significance of argon isotopes in fluid inclusions from areas of mineralization. – Earth and Planet. Sci. Lett., vol. 79, pp. 309–318.
- Khisamutdinov M.G. (1940)* On the origin of rock crystal bearing quartz veins in Subpolar Urals. – Zap. Vsesoyuz. Mineral. Obshchestva, part 69, iss. 1, pp. 67-70. (Rus).
- Königsberger J. (1925)* Über Alpine Minerallagerstätten, Mineralklüfte und Differentiation ihrer Paragenese. – Schweiz. Min. Petr. Mitt., No. 5
- Korago A.A. (1969)* Location regularities of rock crystal deposits in zones of intense rock jointing. – In: New Studies in Geology, Leningrad Mining Institute, pp. 54-60. (Rus).
- Korago A.A. (1970)* Geological structure and rock crystal potential of Rosomakha Region. Author's abstract of Candidate's dissertation. Leningrad: 18 p.
- Korago A.A. and Karyakina T.A. (1972)* Ontogenic classification of mosaic structure of quartz crystals. – Zap. Vsesoyuz. Mineral. Obshchestva, part 101, iss. 3, pp. 365-369. (Rus).
- Korago A.A. and Kozlov A.V. (1988)* Textures and structures of vein quartz from rock crystal bearing areas, Leningrad: Nedra, 159 p.
- Kozlov A.V. (1974)* The quartz crystals from Kholodnaya Mt., Subpolar Urals, and their formation conditions. Author's abstract of Candidate's dissertation. Leningrad: Leningrad Mining Inst., 26 p.
- Kozlov A.V. (1998)* Rock crystal forming hydrothermal systems. Author's abstract of Doctoral dissertation. St. Petersburg: St. Petersburg State Univ., 49 p.
- Kozlov A.V. and Li B.N. (1983)* Carbonate parageneses used to estimate prospects of amethyst occurrences. – In: Geology, prospecting and exploration for non-metalliferous minerals. Leningrad Mining Inst., no. 4, pp. 63-66. (Rus).
- Kozlov A.V., Li B.N. and Makhanev E.K. (1982)* Stages and zoning of quartz mineralization in the Khasavarka Amethyst Deposit. – In: Geology, prospecting and exploration for non-metalliferous minerals. Leningrad Mining Inst., no. 6, pp. 23-28. (Rus).
- Kozlov A.V., Likhov K.I. and Tokarev I.V. (1996)* Analysis methods for composition of gases from fluid inclusions in quartz crystals. – Zap. Vsesoyuz. Mineral. Obshchestva, part 72, iss. 1, pp. 56-61. (Rus).
- Kristall Alpin. – Die Mineralien der Alpenen Klüfte Strahlen und Bestimmen (1993), extraLapis No. 5, 96 S.
- Kuz'mina M.A., Punin Yu.O. et al. (1989)* Heterometry and defectiveness of quartz hydrothermal crystals. – Information Materials of XI All-Union Conference in X-ray radiography of mineral raw materials, Sverdlovsk: vol. I, p. 81
- Kuznetsov S.K., Bukanov V.V., and Yukhtanov P.P. (1988)* Topomineralogical regularities of rock crystal formation. Leningrad: Nauka, 143 p.
- Lemmlein G.G. (1931.)* Observations of twisted quartz. – Izv. Acad. Nauk USSR, geol. series, no. 5, pp 937-964. (Rus).
- Lemmlein G.G. (1936)* On quartz twisted crystals. – Doklady of the USSR Acad. Sci., vol. 4, no. 6, pp. 269-272. (Rus).
- Lemmlein G.G. (1937)* A crystallographic study of quartz from Sura-Iz Mt., Subpolar Urals. – Proc. USSR Acad. Sci. Council for Productive Forces Examination, Ural series, vol. 6, pp. 87-92. (Rus).
- Lemmlein G.G. (1939.)* Quartz crystal orientation in Alpine veins, evidence from Urals. – Doklady of the USSR Acad. Sci., vol. 22, no. 1, pp. 42-44. (Rus).
- Lemmlein G.G. (1939.)* On the number of quartz left- and right-handed crystals in any single deposit. – Proc. Biogeochem. Labor. USSR Acad. Sci., iss. 5, pp. 225-237. (Rus).
- Lemmlein G.G. (1941)* Habit distortions of quartz crystals due to their position during growth. – Doklady of the USSR Acad. Sci., vol. 33, no. 6, pp. 415-418. (Rus).
- Lemmlein G.G. (1945)* Geometric selection in growing aggregate of crystals. – Doklady of the USSR Acad. Sci., vol. 48, no. 3, pp. 177-180. (Rus).
- Lemmlein G.G. (1946)* On the origin of faden quartzes. – In: Mineralogy, Geochemistry and Petrography, Moscow: pp. 98-109. (Rus).
- Lemmlein G.G. (1948)* Sectorial structure of crystals. Moscow and Leningrad: 40 p.
- Lemmlein G.G. (1951)* Color distribution in quartz crystals. – Proc. Inst. Crystallography USSR Acad. Sci., iss. 6, pp. 255-268. (Rus).
- Lemmlein G.G. (1954)* The Alpine veins in Subpolar Urals. – In: The Mineralogy of Urals, vol. I pp. 435-445. (Rus).
- Lemmlein G.G. and Osadchev B.A. (1945)* Vertical distribution of colorless and smoky quartz crystals in a vein. – Doklady of the USSR Acad. Sci., vol. 50, pp. 441-442. (Rus).
- Litoshko D.N. and Bukanov V.V. (1989)* Lazulite from the North of Urals. – Zap. Vsesoyuz. Mineral. Obshchestva, iss. 1, pp. 35-41. (Rus).
- Likhov K.I. (1985)* A study of hydrothermal system dynamics by the fluid analysis method. – In: Contemporary Data from Isotopic Geochemistry and Cosmochemistry, Leningrad: Nauka, pp. 162-174. (Rus).

- Loskutov A.V. (1959)* The rock crystal bearing quartz veins in Novaya Zemlya. Author's abstract of Candidate's dissertation. Leningrad: 20 p.
- Maslennikov V.A. and Nikulina L.N. (1940)* Axinite from some hydrothermal deposits of Subpolar Urals. - *Izv. Acad. Nauk USSR, geol. series*, no. 6, pp. 82-90. (Rus).
- Merkulova G.V. (1942)* On the type and genesis of piezoelectric quartz deposits in Subpolar Ural. - *Izv. Acad. Nauk USSR, geol. series*, no. 3, pp. 38-44. (Rus).
- Mezentsev M.P., Neguritsa E.G. and Pyatunin D.M. (1971)* Typomorphic features of native gold from Subpolar Urals. - *Proc. Tyumen' Industrial Inst.*, iss. 11, pp. 212-216. (Rus).
- Mineralogy of Urals: Elements. Carbides. Sulfides (1990) Sverdlovsk: USSR Acad. Sci., Ural branch, 391 p.
- Niggli P., Königsberger J., und Parker R.L. (1940)* Die Mineralien der Schweizeralpen. Bd. 1, 2, Basel.
- Norman D.I., Musgrave J.A. (1994)* N₂-Ar-He compositions in fluid inclusions: Indicators of fluid source. - *Geochim. et Cosmochim. Acta*, vol. 58, no. 3, pp. 1119-1131.
- Osadchev B.A., Shafranovskii I.I. (1944)* Calcite from Subpolar Urals. - *Zap. Leningrad Mining Institute*, no. 68, pp. 245-247. (Rus).
- Parker R.L. (1954)* Die Mineralfunde der Schweizer Alpen. Basel: 311 S.
- Pekov I.V., Petersen O.V., and Voloshin A.V. (1997)* Calcio-ancylite-(Ce) from Ilmaussaq and Narssarsuk, Greenland, Kola peninsula and Polar Urals, Russia; ancylite-(Ce) - calcio-ancylite-(Ce) an isomorphous series. - *N. Jb. Miner. Abh.*, , 171, 3, 309-322.
- Pettke Th., Frei R., Kramers J.D., and Villa I.M. (1997)* Isotope systematics in vein gold from Brusson, Val d'Ayas (NW Italy). 2. (U+Th)/He and K/Ar in native Au and its fluid inclusions. - *Chemical Geol.*, vol. 135, pp. 173-187.
- Pystin A.M. (1994)* Polymetamorphic complexes of Western side of Urals. St. Petersburg: Nauka, 209 p.
- Repina S.A. (2007)* Monazite as indicator of geological processes during formation of quartz veins in Zhelannoe Deposit, Subpolar Urals. - *Zap. Vsesoyuz. Mineral. Obshchestva*, no. 4, pp. 81-96. (Rus).
- Repina S.A. and Yuzeva N.S. (2005)* Rare metal and strontium aluminophosphates in rock crystal bearing veins of Piramida Deposit, Subpolar Urals. - *Zap. Vsesoyuz. Mineral. Obshchestva*, no. 6, pp. 103-110. (Rus).
- Shafranovskii I.I. (1937)* Quartz from Neroika Mt. - *Proc. TsNILKS*, 40 p.
- Shafranovskii I.I. (1940₁)* An instance of regular intergrowth of quartz, hematite and rutile. - *Proc. Labor. Crystallogr. USSR Acad. Sci.*, iss. 2, pp. 169-173. (Rus).
- Shafranovskii I.I. (1940₂)* On the quartz pinacoid. - *Uch. Zap. Leningrad. Univ.*, no. 45, pp. 126-134. (Rus).
- Shafranovskii I.I. (1943)* On the dissolution and cicatrization of diamond and quartz crystals. - *Zap. Vsesoyuz. Mineral. Obshchestva*, part 72, iss. 1, pp. 3-6. (Rus).
- Shafranovskii I.I. (1944)* Essays of quartz crystallography from Subpolar Urals. - *Zap. Vsesoyuz. Mineral. Obshchestva*, part 73, iss. 1, pp. 29-35. (Rus).
- Shafranovskii I.I. (1945)* Essays of quartz crystallography from Subpolar Urals. - *Zap. Vsesoyuz. Mineral. Obshchestva*, part 74, iss. 1, pp. 48-56. (Rus).
- Shafranovskii I.I. (1949)* Forms of quartz natural dissolution. - *Mineralogical Volume of L'vov Geological Soc.*, no. 3, pp. 53-61. (Rus).
- Shafranovskii I.I. (1951)* Cone-like surfaces of mineral crystals. - *Mineralogical Volume of L'vov Geological Soc.*, no. 5, pp. 51-64. (Rus).
- Shafranovskii I.I. (1954)* External symmetry of real crystals and symmetry of growth-supporting environment. - *Zap. Vsesoyuz. Mineral. Obshchestva*, part 83, iss. 3, pp. 198-211. (Rus).
- Shafranovskii I.I. and Grigoriev D.P. (1953)* On the discriminating marks of crystal dissolution rounded forms. - *Mineralogical Volume of L'vov Geological Soc.*, no. 7, pp. 21-28. (Rus).
- Shiryayeva L.L., Bukanov V.V., Unanova O.G., and Varlamov D.A. (1990)* The regularities of structure and chemistry of svanbergite crystals from rock crystal bearing veins of Subpolar Urals. - In: *Mineralogy of Urals, Sverdlovsk: Ural branch of USSR Acad. Sci.*, vol. 2, pp. 157-158. (Rus).
- Shternberg A.A. (1962)* Relation of crystal jointing and morphology with admixture (heterometry). - *Crystallography*, vol. 7, iss. 1, pp. 114-120. (Rus).
- Sirin N.A. (1945)* Geological and petrographic studies in Subpolar Urals. Moscow: 176 p.
- Skobel' L.S. (1996)* Mineral inclusions in rock crystal from Subpolar Urals. The world of stones. Moscow: pp. 14-16. (Rus).
- Smirnova V.A. (1956)* Geological structure and genesis of piezooptical quartz deposits in northern part of rock crystal bearing strip of Subpolar Urals. Doctoral dissertation. Leningrad: VSEGEI, ... p.
- Smirnova V.A. (1958)* On the leaching aureoles around rock crystal pockets in Subpolar Urals. - *Proc. VNIIP*, vol. 2, iss. 1, pp. 81-88. (Rus).
- Stuart F.M. and Turner G. (1992)* The abundance and isotopic composition of the noble gases in ancient fluids. - *Chemical Geol.*, vol. 101, pp. 97-109.
- Suchkova E.M. (1978)* Accessory minerals of quartz veins and their significance for estimation of rock crystal potential, evidence from Khobein rock crystal bearing strip, Subpolar Urals. Author's abstract of Candidate's dissertation. Moscow: 17 p.
- Vakar V.A. (1943)* The morphological types of veins in Subpolar Urals. - *Zap. Vsesoyuz. Mineral. Obshchestva*, part 72, iss. 1, pp. 56-61. (Rus).
- Vertushkov G.N.* The Alpine veins in the Urals. - *Doklady of the USSR Acad. Sci.*, vol. 16, no. 7, pp. 379-383. (Rus).
- Yukhtanov P.P. (1989)* Quartz twisted crystals (typomorphism and genesis). - *Series of preprints (scientific lectures)*, iss.222. Komi Scientific Center of Ural branch USSR Acad. Sci., Syktyvkar: 32 p. (Rus).
- Yukhtanov P.P. and Burlakov E.V. (1985)* Ancylite and synchysite from a rock crystal bearing pocket in Subpolar Urals. - *Proc. Institute for Geology of the USSR Acad. Sci., Komi branch*, iss. 50, pp. 93-98. (Rus).
- Yushkin N.P. (1998)* Structure, diversity and evolution of mineral world. - *Proc. Inst. Geology of Komi Scientific Center of Ural branch USSR Acad. Sci.*, iss. 98, pp. 5-18. (Rus).
- Yushkin N.P., Mamchur G.P., Stashchinin R.I. and Bukanov V.V. (1971)* Carbon isotopes in hydrothermal calcite and mineralogically genetic interpretation of their relations. - *Proc. Institute for Geology of the USSR Acad. Sci. Komi branch*, iss. 14, pp. 137-151. (Rus).

THE
Arkenstone
WWW.IROCKS.COM

♦ Dr. Robert Lavinsky ♦

Investment grade mineral specimens
from localities and collections worldwide.

See our gallery website at:
www.irocks.com

Gallery centrally located
in the Dallas area

Rob@irocks.com
Tel: +1 (972)-437-2492 (normal hours CST)



Beryl, var. Aquamarine,
15 cm natural crystal - Pakistan

www.iRocks.com

Gold, 748 Troy oz.
Western Australia, found April 2010

(Sold recently by us, it is the largest gold nugget in private hands)

Edwards Minerals, LLC
Fine Specimens • Gem Crystals • Rare Gemstones



Fluorapatite - Urocu Mine, Brazil
Photograph by Joe Budd

Edward Rosenzweig, G.G.
PO Box 127, Cranbury, NJ 08512
www.edwardsminerals.com • info@edwardsminerals.com

The Rogerley Mine



Classic English Fluorite

jfish@UKMiningVentures.com

Cal@CalGraeber.com

www.UKMiningVentures.com

TUCSON, USA

Pueblo Gem & Mineral Show

YOUR OUTDOOR OASIS IN TUCSON

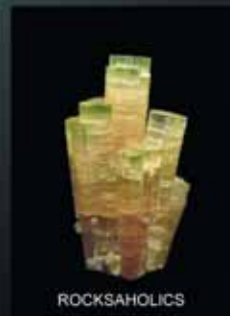
A Wealth of Treasures

Rare & Fine Minerals

February 2 - February 14, 2013



UNCARVED BLOCK



ROCKSAHOLICS



THE ARKENSTONE



MARCUS BUDIL

— Arizona —
Riverpark Inn

Tel: 310.586.6816 Fax: 310.586.0771

info@pueblogemshow.com www.pueblogemshow.com

ROCKSAHOLICS

CRYSTAL UNIVERSE

Trading As

AUSROX

AUSTRALIA'S FINEST MINERALS
FOSSILS, METEORITES, OPAL & GOLD

**Robert Sielecki,
Crystal Universe Pty. Ltd**

UNIT 6, 297 INGLES STREET, PORT MELBOURNE, VIC. 3207
AUSTRALIA. PHONE: 61 3 9646 1744, FAX: 61 3 9676 9942;
WWW.CRYSTALUNIVERSE.COM.AU



www.MineralogicalRecord.com

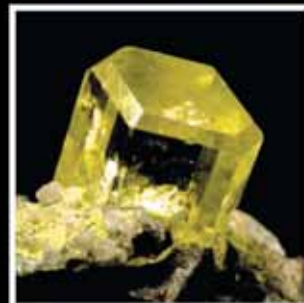
A Database for Specimen-Oriented and History-Oriented Mineralogists

ONLINE FEATURES:

- An Archive of over 1,600 Biographies of early mineralogists, mineral collectors and mineral dealers.
- An Archive of over 1,500 Biographies and Bibliographies in mineralogy and crystallography from ancient times to 1919.
- *Axis*, and eclectic online journal of mineralogy.
- Regular reports on new mineral discoveries.
- An online "Museum" of mineral art, with biographies of mineral artists.
- BOOKSTORE with over 40 titles currently available.
- AUTHOR-TITLE INDEX to the *Mineralogical Record* magazine.
- TABLE OF CONTENTS for all back issues of the *Mineralogical Record* magazine.
- BACK ISSUES – Many issues, as far back as the 1970s, are still available from the publisher and can be ordered online.

The Mineralogical Record

\$65/year in the U.S., \$75/year outside the U.S. • Subscribe online



Weinrich Minerals, Inc.

A dealer in Fine Mineral Specimens



PO Box 425, Grover,

MO 63040 USA

+1 (314) 341-1811

danweinrich@charter.net

www.weinrichmineralsinc.com

Acanthite with Silver, Kongsberg. 3 cm tall.

RARE SPECIES

For Researchers, Museums and Private Collectors



Over 200,000 specimens and 3200 species on hand for systematic collectors and researchers. Serving the professional mineralogical community since 1974.

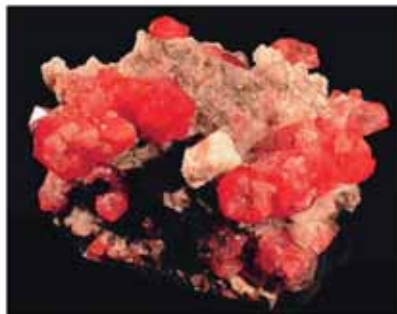
Excalibur Mineral Corporation

1000 North Division Street
Peekskill, NY 10566-1830
www.excaliburmineral.com

Mineral News

The Mineral Collector's Newsletter

A monthly periodical with timely articles for the mineral collecting community.

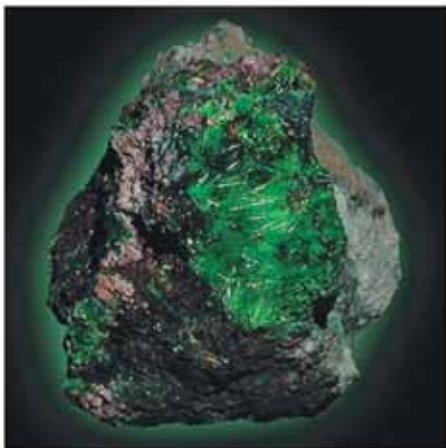


Subscriptions are \$25 per year in the USA, \$48 Canada, \$56 overseas.

Mineral News

PO Box 2088—Peekskill, NY 10566-2088
www.mineralnews.com

The Hudson Institute of Mineralogy



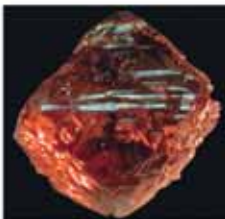
A tax-exempt research, preservation and educational organization dedicated solely to descriptive mineralogy.

Donations of specimens, equipment and financial support are tax deductible and gratefully acknowledged.

The Hudson Institute of Mineralogy
PO Box 2012—Peekskill, NY 10566-2012
www.hudsonmineralogy.org

DIAMOND CRYSTALS

For collectors & researchers



Uncut diamond crystals from 25 different localities always in stock. Specimens from \$15.00 to \$5000.00

A large variety of crystal shapes, colors and sizes from the former inventory of David New.



We do not export—for sale in the USA only!

www.diamondcrystals.net



**GOLD, IKABURU,
GRAN SABANA,
VENEZUELA, 3,5 CM**

WWW.STONETRUST.COM

1.860.748.1661

STEPHANIE@STONETRUST.COM

PHOTO: JOAQUIM CALLEN

МУЗЕЙ
САМОЦВЕТЫ



GEMMUSEUM.RU

Топаз. Копь Мокруша, Мурзинка, Урал. 5x4x4 см. Фото Д.Лисицин.
Topaz. Mokrusha Pit, Murzinka, Urals. 5x4x4 cm. Photo D. Lisitsin.



Mineral Classics
Brian and Brett Kosnar



Dealers in fine minerals, collector gemstones and custom jewelry.
Denver - Munich - Tucson

www.minclassics.com

Arif & Aisha Jan
Rocksaholics



rocksaholics@yahoo.com | +1-214-208-1113
9310 Forest Lane, #348-402, Dallas, Texas 75243, USA
Aquamarine. Kuner, Nooristan Province, Afghanistan. 14.7 x 9.5 cm. Photo by Arif Jan.

www.rocksaholics.com

KRISTALLE

Est. 1971

Crystal CLASSICS

We have over 1000
specimens online!

Wayne and Dona Leicht

Laguna Beach, California, USA

tel: +1 949 494 5155

info@kristalle.com

Ian Bruce

Somerset, England

tel: +44 1935 862673

ian@crystalclassics.co.uk



Visit us at mineral shows:

Tucson, Az, USA • St. Marie-aux-Mines, France • Denver, Co, USA • Munich, Germany

We are cash buyers for single specimens and entire collections!

www.kristalle.com ♦ www.crystalclassics.co.uk

Fluorite with Cosalite inclusions - Nikolaevskiy Mine, Dal'negorsk, Russia. 5.5 x 5 x 4.2 cm.

Tourmaline - Malkhan, Transbaikalia, Russia. 7.8 x 2 x 1.6 cm. | Photo: Steve Rust.

Quartz var Prase with Andradite - Kavaleroovo, Primorskiy Kray, Russia. 8.4 x 5 x 4 cm. | Photo: Robin Hansen.

Special exhibit: African Secrets
Let yourself be surprised by the
mysterious diversity of African minerals!

Online
ticket promotion!



Mineralworld
MUNICH - African Secrets

October 26 - 28, 2012

The Munich Show - Mineralientage München stands for four fantastic worlds in one show: One of them, the MINERALWORLD Munich is considered to be one of the worldwide most important trade fairs for minerals and rough stones. This year's special exhibit "African Secrets" shows the most important mineral finds of Africa.

The Munich Show

Mineralientage München

World of Minerals, Gems, Jewellery & Fossils



www.munichshow.com

To watch the 2012 preview clip,
simply scan the QR-Code!



Exceptional Museum Quality
Gem Crystals
Mineral Specimens
Rare Cut Stones

H. OBODDA

Post Office Box 8454,
Warwick, RI 02888, USA
Telephone: +1-973-493-5394

*Visit with us at the westward Look Fine Mineral
Show in Tucson (our only show)*



E-mail: minerals@obodda.com
www.obodda.com



**ROCKS &
MINERALS**

For Everyone Interested in Minerals, Rocks & Fossils



Subscribe Today!

Personal (print & online)

Rate: \$61

Institutional (print & online)

Rate: \$184

Amateurs as well as professional scientists delight in and pore over **ROCKS & MINERALS**, which has published articles on mineralogy, geology, and paleontology since 1926. Regular departments explore important discoveries, minerals for the collector, microminerals, personalities in the field, media reviews, and coming events. Detailed lists of collecting opportunities in specific localities appear periodically, as do theme issues. Spectacular color photographs appear throughout each issue. **ROCKS & MINERALS** works with the Mineralogical Society of America to promote cooperation between collectors and professional mineralogists.

For subscription details and further information about
ROCKS & MINERALS, visit: www.rocksandminerals.org

