

Review paper

Selected bibliography of dr. Stanislav Vrána

Hana BREITEROVÁ

Czech Geological Survey, Klárov 3, 118 21 Prague 1, Czech Republic; breit@cgu.cz

The presented overview does not have an ambition to give the complete bibliography of Stanislav Vrána. Instead, it includes some 65% of all published works, selected with an emphasis on their relative importance. The papers dealing with petrology, mineralogy and geology present variable topics from the Bohemian Massif, Zambia and the Western Carpathians (Slovakia), the main domains of S. Vrána's activities.

*Received: 27 October 2006; accepted 4 May 2007; handling editor: V. Janoušek***1962**

Vrána, S. (1962): Nová hlediska v petrogenези veporidního krystalinika v okolí Slavošovec. – Geol. Práce, Zoš., 22: 81–84.

1963

Klinec, A. – Vrána, S. (1963): Kryštalínikum v podloží neogénu východne od Šurian. – Geol. Práce, Zpr., 30: 81–85.

Vrána, S. (1963): Antofylitické horniny z okolí Žárovne v jižních Čechách. – Sbor. Ústř. Úst. geol., Odd. geol., 28/1961: 7–30.

1964

Vrána, S. (1964): Chloritoid and kyanite zone of Alpine metamorphism on the boundary of the Gemerides and the Veporides (Slovakia). – Krystalinikum, 2: 125–143.

Vrána, S. (1964): Petrogenезе veporidního krystalinika v okolí Slavošovec. – Geol. Práce, Zpr., 33: 5–29.

1965

Vrána, S. (1965): Alpínské K-živce adularového typu z oblasti veporid. – Věst. Ústř. Úst. geol., 40: 431–436.

1966

Vrána, S. (1966): Alpidische Metamorphose der Granitoide und der Foederata-Serie im Mittelteil der Veporiden. – Sbor. geol. Vied, Západ. Karpaty, 6: 29–84.

Vrána, S. (1966): Pumpellyit z melafyrových hornin na Slovensku. – Čas. Mineral. Geol., 11: 255–259.

Vrána, S. (1966): Žíly s axinitem a pumpellyitem z Malých Karpat. – Čas. Mineral. Geol., 11: 415–421.

1969

Vrána, S. – Vozár, J. (1969): Minerálna asociácia pumpellyit-prehnit-kremennej fácie z Nízkých Tatier. – Geol. Práce, Spr., 49: 91–99.

1972

Prasad, R. – Vrána, S. (1972): The intrusives of the Chomba area with special reference to the eclogites. – Rec. Geol. Surv. Zambia, Lusaka, 12: 131–137.

Vavřda, I. – Vrána, S. (1972): Sillimanite, kyanite and andalusite in the granulite facies rocks of the basement complex, Chipata district. – Rec. Geol. Surv. Zambia, Lusaka, 12: 69–80.

Vrána, S. (1972): Some recently identified minerals new to Zambia. – Rec. Geol. Surv. Zambia, Lusaka, 12: 91–94.

Vrána, S. – Barr, M. W. C. (1972): Talc-kyanite-quartz schists and other high-pressure assemblages from Zambia. – Mineral. Mag., 38: 837–846.

Vrána, S. – Povondra, P. – Čech, F. (1972): A non-metamict allanite from Zambia. – Neu. Jb. Mineral., Abh., 116: 208–233.

1973

Čech, F. – Rieder, M. – Vrána, S. (1973): Drysdallite, MoSe₂. A new mineral. – Neu. Jb. Mineral., Mh., 10: 439–442.

Vrána, S. (1973): A model of aluminium silicate accretion in metamorphic rocks. – Contrib. Mineral. Petrol., 41: 73–82.

1974

Vrána, S. (1974): The geology of the area south of the Lukanga Swamp: explanation of degree sheet 1427,

- SE quarter. – Rep. Geol. Survey Zambia, no. 45, 29 p. Lusaka.
- 1975**
- Vrána, S.* (1975): Magnesian-aluminous rocks, the associated ore mineralization and the problem of magnesium-iron metasomatism. – *Krystalinikum*, 11:101–111.
- Vrána, S.* – *Prasad, R.* – *Fediuková, E.* (1975): Metamorphic kyanite eclogites in the Lufilian Arc of Zambia. – *Contrib. Mineral. Petrol.*, 51: 139–160.
- 1976**
- Čech, F.* – *Rieder, M.* – *Vrána, S.* (1976): Cobaltoan högbomite from Zambia. – *Neu. Jb. Mineral., Mh.*: 525–531.
- Vrána, S.* (1976): High-temperature contact metamorphism and the accompanying desilication of metagranite around subvolcanic diorite at Roveň valley near Tisovec, Slovakia. – *Krystalinikum*, 12: 143–153.
- 1977**
- Vrána, S.* (1977): Find of a polymict metaconglomerate in the Moldanubicum of southern Bohemia. – *Věst. Ústř. Úst. geol.*, 52: 65–71.
- Vrána, S.* (1977): Spessartine-rich garnet in a Moldanubian quartzite from Doubravka near Týn nad Vltavou. – *Čas. Mineral. Geol.*, 22: 199–203.
- 1978**
- Vrána, S.* – *Rieder, M.* – *Podlaha, J.* (1978): Kanonaite $(\text{Mn}^{3+}_{0.76} \text{Al}_{0.23} \text{Fe}^{3+}_{0.02})^{[6]} \text{Al}^{[5]} [\text{O}/\text{SiO}_4]$, a new mineral isotypic with andalusite. – *Contrib. Mineral. Petrol.*, 66: 325–332.
- 1979**
- Cháb, J.* – *Vrána, S.* (1979): Crossite-actinolite amphiboles of the Krkonoše-Jizera crystalline complex and their geological significance. – *Věst. Ústř. Úst. geol.*, 54: 143–150.
- Vrána, S.* (1979): A polymetamorphic assemblage of grandierite, kornerupine, Ti-rich dumortierite, tourmaline, sillimanite and garnet. – *Neu. Jb. Mineral., Mh.*: 22–33.
- Vrána, S.* (1979): A secondary magnesium-bearing beryl in pseudomorphs after pegmatitic cordierite. – *Čas. Mineral. Geol.*, 24: 65–69.
- Vrána, S.* (1979): Metamorphic patterns in Zambia and their bearing on problems of Zambian tectonic history – a comment. – *Precamb. Res.*, 8: 127–130.
- Vrána, S.* (1979): Polyphase shear folding and thrusting in the Moldanubicum of southern Bohemia. – *Věst. Ústř. Úst. geol.*, 54: 75–86.
- 1980**
- Vrána, S.* (1980): Newly-formed Alpine garnets in meta-granitoids of the Veporides in relation to the structure of the central zone of the West Carpathians. – *Čas. Mineral. Geol.*, 25: 41–54.
- 1981**
- Čech, F.* – *Povondra, P.* – *Vrána, S.* (1981): Cobaltoan staurolite from Zambia. – *Bull. Minéral. (Paris)*, 104: 526–529.
- Vrána, S.* – *Cháb, J.* (1981): Metatonalite-metaconglomerate relation: the problem of the Upper Proterozoic sequence and its basement in the NE part of the Central Bohemian Pluton. – *Sbor. geol. Věd, Geol.*, 35: 145–187.
- 1982**
- Fišera, M.* – *Vrána, S.* – *Kotrba, Z.* (1982): Orthopyroxene-garnet granulites in the Podolsko Complex. – *Věst. Ústř. Úst. geol.*, 57: 321–328.
- van Breemen, O.* – *Aftalion, M.* – *Bowes, D. R.* – *Dudek, A.* – *Misař, Z.* – *Povondra, P.* – *Vrána, S.* (1982): Geochronological studies of the Bohemian Massif, Czechoslovakia, and their significance in the evolution of Central Europe. – *Trans. Roy. Soc. Edinburgh, Earth Sci.*, 73: 89–108.
- Vrána, S.* (1982): Petrochemistry and relict textures of quartz keratophyre pebbles from a Moldanubian metaconglomerate in southern Bohemia. – *Čas. Mineral. Geol.*, 27: 11–23.
- Vrána, S.* – *Jakeš, P.* (1982): Orthopyroxene and two-pyroxene granulites from a segment of charnockitic crust in southern Bohemia. – *Věst. Ústř. Úst. geol.*, 57: 129–143.
- 1983**
- Vrána, S.* – *Rybka, R.* – *Mrázek, Z.* (1983): Pseudorutil, chromspinel a pyrop z předkvartérní zvětrávací kůry ultrabazitů. – *Čas. Mineral. Geol.*, 28: 415–421.
- 1984**
- Mrázek, Z.* – *Vrána, S.* (1984): Highly aluminian titanite from a plagioclase-fluorite pegmatite in skarn at

- Vlastějovice, Czechoslovakia. – *Neu. Jb. Mineral., Mh.*, 6: 251–256.
- Vrána, S. (1984): Flogopitické metaultramafity moldanubika jako nositel sulfidické Fe-Ni mineralizace. – *Geol. Průzk.*, 26: 290–291.
- 1985**
- de Roever, E. W. F. – Vrána, S. (1985): Surinamite in pseudomorphs after cordierite in polymetamorphic granulites from Zambia. – *Amer. Mineralogist*, 70: 710–713.
- 1987**
- Vrána, S. (1987): Garnet-fassaitic pyroxene skarn from the granulite complex of southern Bohemia. – *Věst. Ústř. Úst. geol.*, 62: 193–206.
- Vrána, S. (1987): The Ševětín astrobleme, southern Bohemia, Czechoslovakia. – *Geol. Rundsch.*, 76: 505–528.
- 1988**
- Čech, F. – Povondra, P. – Vrána, S. (1988): Crystal chemistry of chevkinite from Zambia. – *Acta Univ. Carol., Geol.*: 181–193.
- 1989**
- Aftalion, M. – Bowes, D. R. – Vrána, S. (1989): Early Carboniferous U–Pb zircon age of garnetiferous, perpotassic granulites, Blanský les massif, Czechoslovakia. – *Neu. Jb. Mineral., Mh.*, 4: 145–152.
- Opletal, M. – Vrána, S. (1989): Xenolity charnockitových hornin ve vulkanitech Českého středohoří. – *Sbor. geol. Věd, Geol.*, 44: 51–78.
- Vrána, S. (1989): Perpotassic granulites from southern Bohemia: a new rock-type derived from partial melting of crustal rocks under upper mantle conditions. – *Contrib. Mineral. Petrol.*, 103: 510–522.
- 1990**
- Vrána, S. (1990): The Pelhřimov volcanotectonic circular structure. – *Věst. Ústř. Úst. geol.*, 65: 143–156.
- 1991**
- Vrána, S. (1991): Corundum in the continental Upper Cretaceous sandstone in southern Bohemia, its composition, provenance and corrosion. – *J. Czech Geol. Soc.*, 36: 237–242.
- 1992**
- Cháb, J. – Lobkowicz, M. – Vrána, S. (1992): Kritika Holubcova pojetí struktury Českého masívu. – *Věst. Ústř. Úst. geol.*, 67: 137–141.
- Vrána, S. – Rieder, M. – Günter, M. E. (1992): Hejtmanite, a manganese-dominant analogue of bafertisite, a new mineral. – *Eur. J. Mineral.*, 4: 35–43.
- 1993**
- Krs, M. – Vrána, S. (1993): Palaeomagnetism and petromagnetism of augite microgranodiorite, Nezdice near Kašperské Hory, southern Bohemia. – *J. Czech Geol. Soc.*, 38: 201–207.
- Povondra, P. – Vrána, S. (1993): Crystal chemistry of apatite in tourmaline-bearing alkali-feldspar orthogneiss near Hluboká nad Vltavou, southern Bohemia. – *J. Czech Geol. Soc.*, 38: 165–170.
- Vrána, S. – Bendl, J. – Buzek, F. (1993): Pyroxene microgranodiorite dykes from the Ševětín structure, Czech Republic: mineralogical, chemical, and isotopic indication of a possible impact melt origin. – *J. Czech Geol. Soc.*, 38: 129–148.
- 1994**
- Cordier, P. – Vrána, S. – Doukhan, J. C. (1994): Shock metamorphism in quartz at Ševětín and Sušice (Bohemia)? A TEM investigation. – *Meteoritics*, 29: 98–99.
- Vrána, S. (ed.) (1994): Evolution of Variscan (Hercynian) and comparable Palaeozoic orogenic belts. Joint Meeting of Geologische Vereinigung e.V. and Česká geologická společnost. Abstracts. – *J. Czech Geol. Soc.*, 39, 1: 146 pp.
- 1995**
- O'Brien, P. J. – Vrána, S. (1995): Eclogites with a short-lived granulite facies overprint in the Moldanubian Zone, Czech Republic: petrology, geochemistry and diffusion modelling of garnet zoning. – *Geol. Rundsch.*, 84: 473–488.
- Vrána, S. (1995): Bezbarvý spessartin-grossulárový granát z Novosedel u Českého Krumlova. – *Minerál*, 3: 263.
- Vrána, S. (ed.) (1995): Thermal and Mechanical Interactions in Deep Seated Rocks. Abstracts. – *J. Czech Geol. Soc.*, 40, 3: 145 pp.
- Vrána, S. – Kröner, A. (1995): Pb-Pb zircon ages for tourmaline alkali-feldspar orthogneiss from Hluboká nad Vltavou in southern Bohemia. – *J. Czech Geol. Soc.*, 40: 127–131.
- Vrána, S. – Blümel, P. – Petrakakis, K. (1995): Metamorphic evolution. Moldanubian Zone. – In: Dallmeyer, R. D. et

- al. (eds) : Pre-Permian Geology of Central and Eastern Europe. Springer, Berlin, 453–468.
- 1996**
- Povondra, P. – Vrána, S.* (1996): Tourmaline and associated minerals in alkali-feldspar orthogneiss near Hluboká nad Vltavou, southern Bohemia. – *J. Czech Geol. Soc.*, 41: 191–200.
- 1997**
- O'Brien, P. J. – Vrána, S.* (1997): The eclogites in the Monotonous series of the Moldanubian zone and the theory of thermal pulses: a reply. – *Geol. Rundsch.*, 86: 716–719.
- Žák, K. – Dobeš, P. – Vrána, S.* (1997): Formation conditions of various calcite types and unusual alteration products of wollastonite in calcite marble near Nezdice (Varied Group of Moldanubicum), Czech Republic. – *J. Czech Geol. Soc.*, 42: 17–25.
- 1998**
- Grew, E. S. – Pertsev, N. N. – Vrána, S. – Yates, M. G. – Shearer, C. K. – Wiedenbeck, M.* (1998): Kornerupine parageneses in whiteschists and other magnesian rocks: is kornerupine plus talc a high-pressure assemblage equivalent to tourmaline plus orthoamphibole? – *Contrib. Mineral. Petrol.*, 131: 22–38.
- Tomek, Č. – Dvořáková, V. – Vrána, S.* (1998): Geological interpretation of the 9HRM seismic profiles in Western Bohemia. – *Sbor. geol. Věd, Geol.*, 47: 43–50.
- Vrána, S.* (1998): Feruvit v primitivním pegmatitu v hybridním diorit-granitoidním komplexu u Neratovic. – *Bull. Mineral.-petrolog. Odd. Nár. Muz. (Praha)*, 6: 257–258.
- Vrána, S. – Štědrá, V.* (1998): Crustal structure of the western part of the Bohemian Massif, Czech Republic: A summary of the project “Geological model of western Bohemia, related to the deep borehole KTB in Germany”. – *Episodes (Ottawa)*, 21: 241–247.
- Vrána, S. – Štědrá, V. (eds)* (1998): Geological model of Western Bohemia related to the KTB borehole in Germany. – *Sbor. geol. Věd, Geol.*, 47: 240 pp.
- Vrána, S. – Šrámek, J. – Pokorný, L. – Manová, M. – Chlupáčová, M.* (1998): Geological interpretation of major regional units: The Moldanubian Zone. – *Sbor. geol. Věd, Geol.*, 47: 104–123.
- Vrána, S. – Cháb, J. – Štědrá, V.* (1998): Main results of the project: results obtained on individual topics. – *Sbor. geol. Věd, Geol.*, 47: 15–23.
- 1999**
- Vrána, S.* (1999): Dyke swarm of highly evolved felsitic alkali-feldspar granite porphyry near Milevsko, Central Bohemian Pluton. – *Bull. Czech Geol. Surv.*, 74: 67–74.
- Vrána, S.* (1999): Uvit v žile s alpskou paragenezí na ložisku Lazec u Českého Krumlova. – *Bull. Mineral.-petrolog. Odd. Nár. Muz. (Praha)*, 7: 228–230.
- Vrána, S. – Šrámek, J.* (1999): Geological interpretation of detailed gravity survey of the granulite complex in southern Bohemia and its structure. – *Bull. Czech Geol. Surv.*, 74: 261–277.
- Žáček, V. – Vrána, S.* (1999): Turmalín turmalínovců a křemenných sekrecí z kaplické jednotky. – *Bull. Mineral.-petrolog. Odd. Nár. Muz. (Praha)*, 7: 233–235.
- 2000**
- Vrána, S.* (2000): Margarit a sekundární korund v andalusitovém pegmatitu u Benešova nad Černou: důsledky pro interpretaci vzniku korundu v andalusitových pegmatitech moldanubika. – *Bull. Mineral.-petrolog. Odd. Nár. Muz. (Praha)*, 8: 250–252.
- Vrána, S. – Novák, M.* (2000): Petrology and geochemistry of granulite clasts in the Visean Luleč conglomerate, Kulm in central Moravia, Czech Republic. – *Bull. Czech Geol. Surv.*, 75: 405–413.
- 2001**
- Košler, J. – Kelley, S. P. – Vrána, S.* (2001): $^{40}\text{Ar}/^{39}\text{Ar}$ hornblende dating of a microgranodiorite dyke: implications for early Permian extension in the Moldanubian Zone of the Bohemian Massif. – *Int. J. Earth Sci. (Geol. Rundsch.)*, 90: 379–385.
- Žáček, V. – Seifert, A. V. – Vrána, S.* (2001): Mapování Českého geologického ústavu v severovýchodní Zambii. – *Uhlí-Rudy-Geol. Průzk.*, 8: 14–19.
- Žáček, V. – Vrána, S.* (2001): Iron-rich chrysoberyl from Kalanga Hill, Muyombe District, north-eastern Zambia. – *Neu. Jb. Mineral., Mh.*, 12: 529–540.
- 2002**
- Janoušek, V. – Vrána, S. – Erban, V.* (2002): Petrology, geochemical character and petrogenesis of a Variscan post-orogenic granite: case study from the Ševětín Massif, Moldanubian Batholith, Southern Bohemia. – *J. Czech Geol. Soc.*, 47: 1–22.
- Ondruš, P. – Vrána, S. – Mašláň, M.* (2002): Chemical composition and crystal structure refinement of schorl

from the Lundazi pegmatite field, Zambia. – Bull. Czech Geol. Surv., 77: 23–28.

2003

Seifert, A. V. – Vrána S. (2003): Sangu garnet deposit, Eastern Province, Zambia. – Bull. Geosci. (Praha), 78: 3–8.

Vrána, S. (2003): Rutil od Rožmitálu na Šumavě. – Bull. Mineral.-petrolog. Odd. Nár. Muz. (Praha), 11: 210–211.

Vrána, S. – Frýda, J. (2003): Ultrahigh-pressure grossular-rich garnetite from the Moldanubian Zone, Czech Republic. – Eur. J. Mineral., 15: 43–54.

2004

Seifert, A. V. – Žáček, V. – Vrána, S. – Pecina, V. – Zachariáš, J. – Zwaan, J. C. (2004): Emerald mineralization in the Kafubu area, Zambia. – Bull. Geosci. (Praha), 79: 1–40.

Vrána, S. (2004): Gahnit a pargasit v krystalickém vápenci s magnetitem v Zehovicích u Volyně v jižních Čechách. – Bull. Mineral.-petrolog. Odd. Nár. Muz. (Praha), 12: 214–216.

Vrána, S. (2004): Late Variscan Sušice dyke swarm (Moldanubian Zone): quartz micromonzodiorite dykes and their pyroxene gabbro xenoliths. – Bull. Geosci. (Praha), 79: 221–229.

Vrána, S. – Kachlík, V. – Marheine, D. – Seifert, A. V. – Žáček, V. – Babůrek, J. (2004): Ubendian basement and its late Mesoproterozoic and early Neoproterozoic structural and metamorphic overprint in northeastern Zambia. – J. Afr. Earth Sci., 38: 1–21.

2005

Seifert, A. V. – Vrána, S. (2005): Bohemian garnet. – Bull. Geosci. (Praha), 80: 113–124.

Vrána, S. – Bártek, J. (2005): Retrograde metamorphism in a regional shear zone and related chemical changes: the Kaplice Unit of muscovite-biotite gneisses in the Moldanubian Zone of southern Bohemia, Czech Republic. – J. Czech Geol. Soc., 50: 43–57.

Vrána, S. – Slabý, J. – Bendl, J. (2005): The Kaplice dyke swarm of biotite granodiorite porphyry and its relationship to the Freistadt granodiorite, Moldanubian Batholith. – J. Czech Geol. Soc., 50: 9–17.

Vrána, S. – Štědrá, V. – Fišera, M. (2005): Petrology and geochemistry of the Běstvína granulite body metamorphosed at eclogite facies conditions, Bohemian Massif. – J. Czech Geol. Soc., 50: 95–106.

Zwaan, J. C. – Seifert, A. V. – Vrána, S. – Laurs, B. M. – Anckar, B. – Simmons, W. B. – Falster, A. U. – Lustenhouwer, W. J. – Muhlmeister, S. – Koivula, J. I. – Garcia-Guillerminet, H. (2005): Emeralds from the Kafubu area, Zambia. – Gems and Gemology, 41: 116–148.

2006

Faryad, S. W. – Perraki, M. – Vrána, S. (2006): P–T evolution and reaction textures in retrogressed eclogites from Světlík, the Moldanubian Zone (Czech Republic). – Min. Petrol., 88: 297–319.

Vrána, S. – Janoušek, V. (2006): Late-orogenic Variscan magmatism: the case of quartz monzodiorite dykes from Blanice Graben, southern Bohemia. – J. Czech Geol. Soc., 51: 231–248.

Janoušek, V. – Gerdes, A. – Vrána, S. – Finger, F. – Erban, V. – Friedl, G. – Braithwaite, C. J. R. (2006): Low-pressure granulites of the Lišov Massif, Southern Bohemia: Viséan metamorphism of Late Devonian plutonic arc rocks. – J. Petrology, 47: 705–744.