

Contents

Introduction	11
Character of empirical types of ore mineralization in the Bohemian Massif . . .	15
Metamorphic stratiform Cu-Fe-(Pb-Zn) sulfide mineralization in the Monotonous Group of the Moldanubicum (type Bodenmais)	15
Metamorphic W mineralization of greisen stockworks in orthogneisses and their mantle in the Moldanubicum (type Catoraz)	17
Metamorphic Fe deposits of the skarn type, associated with amphibolite and marble, or at the contact of marble with orthogneiss in the Moldanubicum (type Vlastějovice n. Sázavou)	17
Metamorphic stratiform Pb-Zn sulfide mineralization in the Moldanubicum (type Český Šternberk-Malovidy)	19
Metamorphic stratiform scheelite mineralization of the Moldanubian erlans (type Deštná)	20
Metamorphic skarn Fe oxide and Cu sulfide mineralization in various crystalline rock series of the Bohemian Massif outside the region of the Moldanubicum proper (type Měděnec)	21
Upper Proterozoic partly metamorphic stratiform pyrite mineralization of "black shales" (iron sulfide shales or alum shales) (type Hromnice)	23
Upper Proterozoic partly metamorphic stratiform Mn carbonate and pyrite mineralization of "black shales" (type Chvaletice)	26
Upper Proterozoic partly metamorphic stratiform Fe-Cu-Zn-Pb sulfide mineralization (type Újezd)	28
Upper Proterozoic metamorphic stratiform barite mineralization (type Krhanice)	30
Upper Proterozoic metamorphic stratiform Fe-V-U mineralization (Fe-U-V-Zn-Cu-Mo formation of Mrázek - Pouba 1976) (type Struhadlo)	30
Upper Proterozoic metamorphic stratiform Fe silicites (type Blovice)	32
Upper Proterozoic metamorphic stratiform scheelite mineralization in metatuffs (type Čelina-Mokrsko)	32
Upper Proterozoic metamorphic stratiform Fe-Pb-Zn sulfide mineralization of the Lugicum (type Hraničná)	33
Intramagmatic ilmenite-magnetite and sulfide mineralization of basic and ultra-basic intrusive rocks (type Pocinovice)	34
Upper Proterozoic to early Paleozoic metamorphic stratiform Fe oxide-sulfide and Cu sulfide mineralization of the Varied Group (type Čerčany)	35
Upper Proterozoic or early Paleozoic metamorphic stratiform banded magnetite mineralization (type Švagrov)	36
Disseminated and stockwork Mo sulfide mineralization of the Upper Proterozoic (?) (type Všestary)	36
Disseminated Cu sulfide mineralization of Upper Proterozoic to early Paleozoic keratophyres (Maršovický vrch hill)	37
Upper Proterozoic (?) stratiform or impregnated Sn oxide mineralization (type Nové Město pod Smrkem)	37

Fissure-bound up to impregnated Mo sulfide mineralization of the Upper Proterozoic to Cambrian Brno massif (type Černá Hora)	38
Cambrian magmatic liquation Ni-Cu sulfide mineralization of basic-ultrabasic rocks (type Staré Ransko)	39
Ni-Cu sulfide mineralization of altered pre-Devonian diabase dykes (type Sohland)	41
Cambro—Lower Ordovician metamorphic stratiform Fe oxide mineralization (type Vráť)	41
Cambro—Lower Ordovician metamorphic stratiform Fe-Cu sulfide mineralization (type Tisová)	42
Ordovician stratiform Fe-Cu-Zn sulfide mineralization (type Kupferberg)	44
Ordovician unmetamorphosed stratiform oolitic Fe oxide, carbonate, and silicate mineralization (type Ejpovice)	45
Impregnated to vein Hg sulfide mineralization in mostly Ordovician (volcanic) sedimentary rocks (type Dědova hora hill)	47
Silurian or Devonian (?) metamorphic stratiform Fe-Cu sulfide mineralization (type Wieściszowice)	48
Early Paleozoic stratiform or disseminated pyrite mineralization of porphyroids (type Lukavice)	49
Early Paleozoic disseminated Fe-Cu-Zn sulfide mineralization in mylonites, or stratiform mineralization of xenoliths (type Včelákov)	49
Devonian metamorphic stratiform Fe-Cu-Zn-Pb-(Au) sulfide mineralization (type Zlaté Hory)	50
Devonian metamorphic stratiform Fe-Zn-Pb-(Ag) sulfide mineralization (type Horní Město)	54
Middle to Upper Devonian stratiform Fe oxide and silicate mineralization of the Lahn-Dill type (type Medlov)	56
Devonian to Carboniferous vein or strata-bound Fe-Zn sulfide mineralization in the altered spilite and tuff zone (type Hlásnice)	57
Devonian to Carboniferous metamorphic stockwork or vein Au mineralization, partly overlapping the Devonian metamorphic stratiform Fe-Zn-Pb-Cu sulfide mineralization (type Zlaté Hory-West)	58
Devonian to Lower Carboniferous (?) stratiform or disseminated Fe-Cu-Mo sulfide mineralization (type Vidly)	59
Post-Silurian or pre-Upper Permian stratiform Fe oxide skarn mineralization (boreholes at Ryczów)	60
Post-Silurian or pre-Upper Permian Au-Te mineralization in skarns (boreholes at Ryczów)	61
Post-Silurian or pre-Upper Permian contact metasomatic or vein Fe-Zn-Cu-Pb-Bi-Ag-Te mineralization (boreholes at Zawiercie)	62
Devonian to Lower Carboniferous metamorphogenic Au mineralization in the Moldanubicum (type Kašperské Hory)	62
Devonian or Carboniferous bedded or vein siderite mineralization of Upper Proterozoic carbonate rocks (type Arzberg)	64
Upper Devonian to Lower Carboniferous Au vein or stockwork mineralization (type Jílové u Prahy)	64
Lower Carboniferous Au vein and stockwork mineralization of "black shales" (type Suchá Rudná)	68
Lower Carboniferous (?) metamorphogenic Au stockwork mineralization in pre-Devonian metamorphic rocks (type Zlatý Chlum)	69

Lower Carboniferous (?) disseminated Au and As sulfide mineralization (type Zloty Stok)	70
Lower Carboniferous (?) Sb sulfide vein mineralization in the Saxo-Thuringicum (type Schleiz)	71
Massive partly metamorphic Zn-(Cu) sulfide mineralization in basic intrusives (type Staré Ransko)	73
Carboniferous metamorphic stratiform barite Fe-Zn-Pb sulfide mineralization of a mylonite zone (type Křižanovice)	74
Disseminated Mo-Cu sulfide mineralization in Upper Devonian to Lower Carboniferous intrusive rocks (type Dolní Heřmáňky)	75
Au-(Pd, Ag) mineralization of fault zones in metamorphosed Paleozoic rocks (type Svoboda nad Úpou)	76
Carboniferous (?) polymetallic sulfide vein mineralization, mostly transecting stratiform sulfide deposits (type deposit Bayerland)	77
Upper Carboniferous or Permian disseminated or stockwork porphyry Cu-Mo sulfide mineralization (type Myszków)	78
Upper Carboniferous skarn Fe oxide mineralization, in part with Cu sulfides (type Pöhla)	78
Upper Carboniferous W-Sn oxide vein mineralization (type Pechtelsgrün)	79
Upper Carboniferous Mo sulfide greisen mineralization (type Nebelstein Mt.)	81
Upper Carboniferous erlan (or skarn) scheelite mineralization (type Göpfersgrün)	81
Upper Carboniferous Mo sulfide vein or stockwork mineralization (type Hürky near Čistá)	82
Upper Carboniferous (?) Au vein or stockwork mineralization (type Roudný)	83
Upper Carboniferous or Permian limnic strata-bound Cu sulfide and carbonate mineralization (type Horní Verneřovice)	85
Upper Carboniferous to Lower Permian stratiform U mineralization of coal basins (type Jedomělice)	86
Upper Carboniferous stratiform bauxite mineralization (type Nowa Ruda)	87
Upper Carboniferous to Permian strata-bound Au mineralization (type Křivce)	88
Upper Carboniferous or Permian strata-bound up to stockwork skarn Fe-Sn-Pb-Zn-Cu oxide and sulfide mineralization (type Breitenbrunn)	88
Upper-Carboniferous or Permian pseudo-stratiform Sn oxide mineralization in melanomylonite of the "felsite horizon" (type Grossschirma)	90
Lower Permian Sn-W oxide stockwork and greisen mineralization (type Cínovec - Altenberg)	92
Lower Permian vein to vein zone Fe-Zn-Pb-Ag-(Cu) sulfide mineralization (type Kutná Hora and the <i>kb+eb</i> Erzformation of Freiberg)	96
Lower Permian (?) vein quartz-fluorite mineralization of the Moldanubicum (type Kožlí)	98
Lower Permian vein, exceptionally metasomatic, Fe sulfide-poor Pb-Zn-Cu-Ag sulfide mineralization (type Ratibořské Hory)	99
Lower Permian (?) Sb sulfide vein mineralization (type Milešov)	102
Lower Permian vein, exceptionally stockwork uraninite mineralization (Příbram - Jáchymov)	104
Lower Permian post-uranium vein mineralization with selenides, sulfides, arsenides, etc. (type Bukov)	107
Permian (?) Fe-Mn oxide vein mineralization (type Ilmenau)	108
Upper Permian fluorite-paradoxite-illite-quartz vein mineralization (type Schönbrenn)	109

Permian or Triassic (?) coffinite-uraninite-brannerite mineralization of tectonic zones associated with silicate metasomatism (type Zadní Chodov - Höhensteinweg)	111
Lower Permian limnic strata-bound Cu-sulfide mineralization of "black shales" (type Okrzeszyn)	113
Upper Permian strata-bound Cu sulfide mineralization of "black shales" of marine environment (type Lubin)	113
Pre-Cretaceous lateritic Fe-Al oxide mineralization (type Lukavice)	115
Triassic (?) Pb-Zn sulfide vein mineralization (type Stříbro)	115
Triassic (?) hematite-barite vein mineralization (type Ruhla)	118
Triassic to Jurassic fluorite-barite vein mineralization (type Harrachov - Halsbrücke - Nabburg)	119
Triassic to Tertiary stratiform Zn-Pb sulfide mineralization of Middle Triassic dolomites of Upper Silesia (type Olkusz)	125
Post-Permian (?) Cu sulfide vein mineralization (type Mutěňín)	127
Upper Cretaceous to Oligocene U mineralization of weathered rocks of the crystalline complex (type Fojtov)	128
Upper Cretaceous to Oligocene Fe hydroxide - Ni hydrosilicate mineralization of weathered ultrabasic rocks (type Szklary)	129
Upper Cretaceous to Miocene peneconcordant U-Zr oxide mineralization of basal Upper Cretaceous psammities (type Hamr)	130
Tertiary strata-bound U mineralization of the Tertiary North Bohemian Basins (type Hroznětín)	132
Tertiary strata-bound Ti-Al oxide mineralization in Tertiary basins (type Most-Bílina)	133
Mesozoic or Tertiary vein Ag-As-Bi-Co-Ni mineralization (type Jáchymov - Schneeberg)	134
Mesozoic or Tertiary vein Ag-Sb-As sulfide mineralization (type Jáchymov - Aue)	136
Tertiary to subrecent metasomatic and vein fluorite-barite mineralization (type Jílové near Děčín and Teplice)	137
Tertiary vein Pb-Zn-Cu mineralization (type Roztoky nad Labem)	138
Tertiary clastic Sn oxide mineralization of lacustrine and fluvial sediments (type Ryžovna near Boží Dar)	139
Quaternary clastic Sn-W oxide mineralization of fluvial sediments (type river Ohře)	140
Quaternary clastic Au mineralization of fluvial sediments and of glacial and glaciofluvial sediments (type Zlaté Hory)	141
Less important ore mineralizations of the Bohemian Massif	142
References	149
Index	173