

Species Name	IMA Ref	Date	Naming Publication Authors	Naming Publication Reference	Type Locality	Type Specimen Repository (Claimed)	Country	Type Status	Catalogue Entry(s)
Zabinskite	2015-033	2017	Pieczka A., Hawthorne F.C., Ma Chi, Rossman G.R., Szeleg E., Szuskiewicz A., Turniak K., Nejbert K., Ilnicki S.S., Buffat P., Rutkowski B.	Min. Mag. (2017), 81/3, 591-610	Polagne SW - Lower Silesia - Gory Sowie Block - Pilawa Gorna pegmatite (Variscan granitic pegmatite) (N50°42'11.77", E16°44'12.36")	MMUWr-Wroclaw	Poland	HT	MMWtr IV7675
Zabuyelite	1985-018	1987	Zheng Mianping, Liu Wengao	Acta Mineralogica Sinica (1987), 7, 221-226	China - Tibet Autonomous Region - Shigatse Prefecture - Zhongba County - Nagri - Zabuye Salt Lake (N31°35', E84°07')	NMG-Beijing	China	T	M09542
Zaccagnaite	1997-019	2001	Merlino S., Orlandi P.	Amer. Min. (2001), 86, 1293-1301	Italy - Toscana - Carrara (E of), Colonnata valley - Callagio marble quarry	MSNU-Pisa	Italy	T	
Zaccarinite	2011-086	2012	Vymazalova A., Laufek F., Drabek M., Stanley C.J., Baker R.F., Bermejo R., Garuti G., Thalhammer O., Proenza J.A.,	Can. Min. (2012), 50, 1321-1329	Dominican Republic - Cordillera Central - Loma Peguera (N18.9900523°, W70.322982°)	Mineralogical Museum-Leoben	Austria	HT	8241
Zadovite	2013-031	2015	Galuskin E.V., Gfeller F., Galuskin I.O., Pakhomova A., Armbruster T., Vapnik Y., Wlodyka R., Dzierzanowski P.,	Min. Mag. (2015), 79/5, 1073-1087	Israel - Negev Desert - Gurim Anticline - Haturim Basin	NMBE-Bern	Switzerland	T	NMBE 42103
Zagamite	2015-022a	2019	Ma Chi, Tschauer O., Beckett J.R.	Ninth International Conference on Mars 2019 (LPI Contribution No. 20189), 6138.pdf	Meteorite-Nigeria - Katsina province - Zagami (fell) - Zagami meteorite	NMNH-Washington	USA	T	USNM 7619
Zagamite	2015-022a	2019	Ma Chi, Tschauer O., Beckett J.R.	Ninth International Conference on Mars 2019 (LPI Contribution No. 20189), 6138.pdf	Meteorite-Morocco - NWA 856 meteorite	California Institute of Technology-Pasadena	USA	T	
Zaherite	1977-002	1977	Rutschka A.P., Babcock L.L.	Amer. Min. (1977), 62, 1125-1128	Pakistan - Salt Range	NMNH-Washington	USA	T	143793
Zairite	1975-018	1975	Van Wambeke L.	Bulletin de la Société Française de Minéralogie et de Cristallographie (1975), 98, 351-353	Zaire - Kivu - Lubero - Etaetu river	MRAC-KMMA-Tervuren	Belgium	HT	RCM 14.065
Zakharovite	1981-049	1982	Khomyakov A.P., Kazakova M.E., Vrublevskaia A.P., Zvyagin B.B., Pilyan G.O.	ZVMO (1982), 111, 491-495	Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt.	FMM-Moscow	Russia	T (8)	81688, 82948
Zakharovite	1981-049	1982	Khomyakov A.P., Kazakova M.E., Vrublevskaia A.P., Zvyagin B.B., Pilyan G.O.	ZVMO (1982), 111, 491-495	Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt.	NHM-London	United Kingdom	HT	BM 1994.038
Zakharovite	1981-049	1982	Khomyakov A.P., Kazakova M.E., Vrublevskaia A.P., Zvyagin B.B., Pilyan G.O.	ZVMO (1982), 111, 491-495	Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt.	MM-St. Petersburg	Russia	T	11199
Zakharovite	1981-049	1982	Khomyakov A.P., Kazakova M.E., Vrublevskaia A.P., Zvyagin B.B., Pilyan G.O.	ZVMO (1982), 111, 491-495	Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt.	GKB-Apatity	Russia	T	5713/6
Zakharovite	1981-049	1982	Khomyakov A.P., Kazakova M.E., Vrublevskaia A.P., Zvyagin B.B., Pilyan G.O.	ZVMO (1982), 111, 491-495	Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt.	MGL-Lausanne	Switzerland	T	MGL 58956
Zálesite	1997-009	1999	Sejkora J., Rickosil T., Strein V.	Neues Jahrbuch für Mineralogie Abhandlungen (1999), 175, 105-124	Czech Republic - Moravia (N of) - Jeseník (25 km NW) and Javorník (8 km SW) - Rychlebské hory Mts. - Zálesi U-deposit	MBP-Turnov	Czech Republic	CT	P678/98, M 4291
Zálesite	1997-009	1999	Sejkora J., Rickosil T., Strein V.	Neues Jahrbuch für Mineralogie Abhandlungen (1999), 175, 105-124	Czech Republic - Moravia (N of) - Jeseník (25 km NW) and Javorník (8 km SW) - Rychlebské hory Mts. - Zálesi U-deposit	NMNH-Praha	Czech Republic	HT	PIN 84599
Zanazite	1986-054	1990	Leavens P.B., White J.S., Nelen J.A.	Mineralogical Record (1990), 21, 413-417	Brazil - Minas Gerais - Taquaral (near) - Lavra da Ilha	NMNH-Washington	USA	T	R17847
Zangboite	2007-036	2009	Li Guowu, Fang Qingsong, Shi Nienheng, Bai Wenji, Yang Jingsui, Xiong Ming, Ma Zhesheng, Rong He	Can. Min. (2009), 47, 1265-1274	China - Tibet Autonomous Region - Shannan Prefecture - Qusong County - Luobusha ophiolite mine, Orebody C31 (N29°05', E92°05')	NMG-Beijing	China	T	M11651
Zangboite	2007-036	2009	Li Guowu, Fang Qingsong, Shi Nienheng, Bai Wenji, Yang Jingsui, Xiong Ming, Ma Zhesheng, Rong He	Can. Min. (2009), 47, 1265-1274	China - Tibet Autonomous Region - Shannan Prefecture - Qusong County - Luobusha ophiolite mine, Orebody C31 (N29°05', E92°05')	IG-AGS-Beijing	China	T	97-16
Zapatelite	1971-023	1972	Williams S.A.	Min. Mag. (1972), 38, 541-544	Mexico - Sonora - 27 km SW of Agua Prieta	NHM-London	United Kingdom	T	
Zapatelite	1971-023	1972	Williams S.A.	Min. Mag. (1972), 38, 541-544	Mexico - Sonora - 27 km SW of Agua Prieta	UA-Tucson	USA	T	
Zaralite	1851	1851	Martinez A.A.	Revista Minera (1851), 1, 302-306	Spain - Galicia - La Corona - Cedeira - Teixido - Manolita mine				
Zavaliite	2011-012	2012	Haterf F., Roda-Robles E., de Paraveal P., Wouters J.	Can. Min. (2012), 50/6, 1145-1452	Argentina - San Luis Province - Fringles Department - La Enplemada (53°53'38",	ULG-Liège	Belgium	T	20384
Zavaritskite	1967 s.p.	1962	Dolomanova E.I., Senderova V.M., Yanchenko M.T.	Doklady Akademii Nauk SSSR (1962), 146, 680-682	Russia - Transbaikalian Region - Sherlova Gora greisen deposit (W-	FMM-Moscow	Russia	T	64103, 64254-56
Zaykovite	2019-084		Belogub E.V., Brilvin S.N., Shilovskikh V.V., Pavlov L.A., Kotlyarov V.A., Zaykova E.V.	Newsletter 54 in Eur. J. Min. (2020), 32, 275-283	Russia - Chelyabinsk region - Magnitogorsk (100-150 km SSE from the city) - Gogino placer zone - Kazan gold-bearing placer (N52°42'00", E60°26'27")	FMM-Moscow	Russia	T	5395/1
Zdenekite	1992-037	1995	Chiappero P.J., Sarp H.	Eur. J. Min. (1995), 7/3, 547-577	France - Provence-Alpes-Côte d'Azur - Var dép. - Pradel, near - Cap Garonne mine (Cu-Pb mine)	MHN-Paris	France	CT	195.266
Zdenekite	1992-037	1995	Chiappero P.J., Sarp H.	Eur. J. Min. (1995), 7, 553-557	France - Provence-Alpes-Côte d'Azur - Var dép. - Pradel, near - Cap Garonne mine (Cu-Pb mine)	MHN-Genève	Switzerland	HT	477.093
Zdenekite	1992-037	1995	Chiappero P.J., Sarp H.	Eur. J. Min. (1995), 7, 553-557	France - Provence-Alpes-Côte d'Azur - Var dép. - Pradel, near - Cap Garonne mine (Cu-Pb mine)	ENSM-Paris	France	HT	54562
Zektzerite	1976-034	1977	Dunn P.J., Rouse R.C., Cannon B., Nelen J.A.	Amer. Min. (1977), 62, 416-420	USA - Washington - Okanogan County - Washington Pass (Golden Horn batholite) - Kangaroo Ridge	HMM-Cambridge	USA	HT	
Zektzerite	1976-034	1977	Dunn P.J., Rouse R.C., Cannon B., Nelen J.A.	Amer. Min. (1977), 62, 416-420	USA - Washington - Okanogan County - Washington Pass (Golden Horn batholite) - Kangaroo Ridge	NHM-London	United Kingdom	HT	BM 1976.423
Zektzerite	1976-034	1977	Dunn P.J., Rouse R.C., Cannon B., Nelen J.A.	Amer. Min. (1977), 62, 416-420	USA - Washington - Okanogan County - Washington Pass (Golden Horn batholite) - Kangaroo Ridge	NMNH-Washington	USA	HT	136030
Zektzerite	1976-034	1977	Dunn P.J., Rouse R.C., Cannon B., Nelen J.A.	Amer. Min. (1977), 62, 416-420	USA - Washington - Okanogan County - Washington Pass (Golden Horn batholite) - Kangaroo Ridge	ROM-Toronto	Canada	CT	M34553
Zellerite	1965-031	1963	Coleman R.G., Granger H.G.	New Mexico Bur. Mines Resources, Mem. (1963), 15, 21	USA - Wyoming - Fremont County - Gas Hill deposit - Lucky MC mine	NMNH-Washington	USA	T	112827
Zemannite	1968-009	1969	Mandarino J.A., Matzat E., Williams S.A.	Can. Min. (1969), 10, 139-140	Mexico - Sonora - Municipio de Moctezuma - Moctezuma mine	MHN-Paris	France	T	
Zemannite	1968-009	1969	Mandarino J.A., Matzat E., Williams S.A.	Can. Min. (1969), 10, 139-140	Mexico - Sonora - Municipio de Moctezuma - Moctezuma - Moctezuma mine	NMNH-Washington	USA	T	128390
Zemannite	1968-009	1969	Mandarino J.A., Matzat E., Williams S.A.	Can. Min. (1969), 10, 139-140	Mexico - Sonora - Municipio de Moctezuma - Moctezuma - Moctezuma mine	ROM-Toronto	Canada	CT	M25933
Zemkorite	1985-041	1988	Yegorov K.N., Ushchapovskaya Z.F., Kashayev A.A., Bogdanov	DAN-SSSR (1988), 301, 188-193	Russia - Yakutiya - Daldyn kimberlite field - Udachnaya pipe (diamond-bearing kimberlite pipe)	FMM-Moscow	Russia	T	87573
Zenzénite	1990-031	1991	Holstam D., Lindqvist B., Johnsson M., Norrestam R.	Can. Min. (1991), 29, 347-354	Sweden - Värmland - Filipstad - Filipstad - Langban	SMNH-Stockholm	Sweden	HT	401841
Zeophyllite	1902	1902	Pelikan A.	Sitzungsberichte der Akademie der Wissenschaften in Wien, Mathematisch-Naturwissenschaftliche Klasse (1902), 111, 334-347	Czech Republic - Bohemia - Ústí Region - Velké Březno				

Zeravshanite	2003-034	2004	Pautov L.A., Agakhanov A.A., Uvarova Y.A., Sokolova E.V., Hawthorne F.C., Weisbach A.	New Data on Minerals (2004), 39, 21-25	Tajikistan - Turkestan and Alay Ranges - Daral-Ploz glacier	FMM-Moscow	Russia	T	92048
Zeunerite	1872	1872	Weisbach A.	Neues Jahrbuch für Mineralogie (1872), 207	Germany - Saxony - Erzgebirge - Schneeberg District - Neustädtel - Weisser Hirsch Mine (Shaft 3) - Walpurgis Flacher vein	MMG-Dresden	Germany		
Zeunerite	1872	1872	Weisbach A.	Neues Jahrbuch für Mineralogie (1872), 106-208	Germany - Saxony - Ore Mts. (Erzgebirge) - Schneeberg - Neustädtel - Weisser Hirsch Mine (Shaft 3) - Walpurgis Flacher vein	TU-BA-Freiberg	Germany	T	21730, 21735
Zhanghengite	1985-049	1986	Wang Kuiren	Acta Mineralogica Sinica (1986), 6/3, 220-223	Meteorite-China - China - Anhui Province - Bozhou Prefecture - Boxian (Bozhou) City - Qiaocheng District - Xiaoyanzhuang - Boxian meteorite (N33°50', E115°50')	NMG-Beijing	China	T	M10486
Zhanghuifinite	2016-074		Yang Hexiong, Kabsch A., Gu Xiangping, Downs R.T., Xie Xiande	Newsletter 34 in Min. Mag. (2016), 80/7, 1315-1321	Argentina - San Luis province - Santa Ana mine (S32°53'32", W65°55'43")	UA-Tucson	USA	CT	21321 (UA-Tucson), R160030 (RRUFF Project)
Zhangpeishanite	2006-045	2008	Shimazaki H., Miyawaki R., Yokoyama K., Matsubara S., Yang Zhuming	Eur. J. Min. (2008), 20, 1141-1144	China - Inner Mongolia - Baotou Prefecture - Darhan Muminggan District - Bayan Obo (Nb-REE-Fe deposit) - East Mine (E109°57', N41°46')	NSM-Tokyo	Japan	T	NSM-MF14696
Zhangpeishanite	2006-045	2008	Shimazaki H., Miyawaki R., Yokoyama K., Matsubara S., Yang Zhuming	Eur. J. Min. (2008), 20, 1141-1144	China - Inner Mongolia - Baotou Prefecture - Darhan Muminggan District - Bayan Obo (Nb-REE-Fe deposit) - East Mine (E109°57', N41°46')	IG-AGS-Beijing	China	T	KDX013
Zharchikhite	1986-059	1988	Bolokhontseva S.V., Baturin S.V., Il'menev E.S., Panova M.A., Purusova S.P.	ZVMO (1988), 117, 79-83	Russia - Transbaikalian Region - Buryatskaya A.R. - Zharchikhinskoye deposit (Mo-deposit)	FMM-Moscow	Russia	T	87567
Zhemchuzhnikovite	1967 s.p.	1963	Knipovich Yu.N., Komkov A.I., Nefedov E.I.	Trudy Vsesouznogo Nauchno-Issledovatel'skogo Geologicheskogo Instituta (1963), 96, 131-135	Russia - Polar Yakutia - Bulun district - Lena River Basin - Chai-Tumus deposit (local deposit)	MM-St. Petersburg	Russia	T	1955/1
Zhiqinite	2019-077	2020	Fahui Xiong, Xiangzhen Xu, Mugnaioli E., Gemmi M., Wirth R., Grew S.E., Robinson P.T., Jingsui Yang	Eur. J. Min. (2020), 32/6, 557-574	China - Tibet Autonomous Region - Lhasa (ca. 200 km ESE of) - Kangrinia (ner) - Luobusha ophiolite - Cr-11 orebody (N29°11', E92°18', 5300 m. a.s.l.)	Geological Museum of China-Beijing	China	HT	M13817
Ziesite	1979-055	1980	Hughes J.M., Birnie R.W.	Amer. Min. (1980), 65, 1146-1149	El Salvador - Izalco Volcano - Fumaroles (fumarolic sublimate)	GL-CI-Washington	USA	CT	
Zigrasite	2008-046	2009	Hawthorne F.C., Ball N.A., Nizamoff J.W., Simmons W.B.	Min. Mag. (2009), 73/3, 415-420	USA - Maine - Oxford County - Newry - Duntun Quarry	ROM-Toronto	Canada	HT	M53323
Zimbabweite	1984-034	1986	Foord E.E., Taggart J.E., Gaines R.V., Grubb P.L.C., Kristiansen R.	Bulletin de Minéralogie (1986), 109, 331-336	Zimbabwe - Karoi (formerly Urungwe) District - Miami (SE of) - St. Anns pegmatite mine	NMNH-Washington	USA	T	162513
Zimnaitite	2014-062	2018	Pekov I.V., Sildra O.J., Yapakurt V.O., Polekhovskiy Y.S., Kartashov P.M.	Mineralogy and Petrology (2018), 112/4, 371-379	Russia - Far-Eastern Region - Kamchatka Oblast - Kamchatka Peninsula - Bezymyannyi volcano (N55°58', E160°36')	FMM-Moscow	Russia	T	94996
Zinc	(?)	1526	Paracelsus (?)	Original paper (?)	Chile - Atacama Region - Copiapo Province - Cachiyo de Llopos district - Dulcinea de Llampos Mine				
Zincstibite	1998-033	2007	Bonaccorsi E., Merlino S., Orlandi P.	Amer. Min. (2007), 92, 198-203	Italy - Tuscany - Massa-Carrara province - Apuan Alps - Carrara - Miseglia-Fantiscritti basin - Fantiscritti quarry				
Zincaluminite	1881	1881	Damour A.	Bulletin de la Société Minéralogique de France (1881), 4, 136-138	Greece - Attica - Lavrion	MHN-Paris	France	T	96.1432
Zincgartrellite	1998-014	2000	Effenberger H., Krause W., Bernhardt H.-J., Martin M.	Min. Mag. (2000), 64, 1109-1126	Namibia - Tsumeb - Tsumeb mine	RUB-Bochum	Germany	HT	81
Zincite	1845	1845	Haidinger W.	Handbuch der Bestimmenden Mineralogie, Braumüller and Seidel, Wien (1845), 548	USA - New Jersey - Sussex County - Franklin Mining District - Franklin - Franklin Mine				
Zincite	1845	1845	Haidinger W.	Handbuch der Bestimmenden Mineralogie, Braumüller and Seidel, Wien (1845), 548	USA - New Jersey - Sussex County - Franklin Mining District - Franklin - Franklin Mine				
Zincipscombite	2006-008	2006	Chukanov N.V., Pekov I.V., Möckel S., Zadov A.E.	ZRMO (2006), 135/6, 13-18	USA - Nevada - Humboldt Co., Edna Mountains - Valmy - Silver Coin	TU-BA-Freiberg	Germany	CT	81019
Zincmelanferite	2007 s.p.	1920	Larsen E.S., Glenn M.L.	Amer. J. Sci. (1920) ser. 4, 50, 225-233	USA - Colorado - Gunnison County - Vulcan - Good Hope mine	NMNH-Washington	USA	T	93244
Zincoberaunite	2015-117	2017	Chukanov N.V., Pekov I.V., Grey I.E., Price J.R., Britvin S.N., Krzhizhanovskaya M.G., Kampf A.R., Dünkel B., Keck E., Belakovskiy D.J., MacRae C.M.	Mineralogy and Petrology (2017), 111, 351-361	Germany - Bavaria - Upper Palatinate - 2.5 km NW of Waidhaus - Hagendorf South pegmatite - Cornelia Mine Open Cut (N49°39'01", E12°27'35")	FMM-Moscow	Russia	HT	95610
Zincoberaunite	2015-117	2017	Chukanov N.V., Pekov I.V., Grey I.E., Price J.R., Britvin S.N., Krzhizhanovskaya M.G., Kampf A.R., Dünkel B., Keck E., Belakovskiy D.J., MacRae C.M.	Mineralogy and Petrology (2017), 111, 351-361	Germany - Bavaria - Upper Palatinate - 2.5 km NW of Waidhaus - Hagendorf South pegmatite - Cornelia Mine Open Cut (N49°39'01", E12°27'35")	MOV-Melbourne	Australia	CT	M53238
Zincobatyrogen	2015-107	2017	Zhuming Yang, Giester G., Qian Mao, Yuhuang Ma, Di Zhang, He Li	Mineralogy and Petrology (2017), 111, 363-372	China - Qinghai Province - Haixi Mongolian and Tibetan Autonomous Prefecture - northern edge of Qaidamu (Chaidamu) basin - Xitleshan mine (Pb-Zn deposit) (N37°20', E95°32')	IG-AGS-Beijing	China	T	KDX076
Zincobradaczkite	2016-041	2020	Pekov I.V., Lykova I.S., Koshiyakova N.N., Belakovskiy D.J., Vigasina M.F., Turchkova A.G., Britvin S.N., Sidorov E.G., Scheidel K.S.	Physics and Chemistry of Minerals (2020), 47, 36	Russia - Far-Eastern Region - Kamchatka Peninsula - Tolbachik volcano - Northern Breakthrough of the Great Tolbachik Fissure Eruption - Second scoria cone -	FMM-Moscow	Russia	T	95617
Zincobriartite	2015-094		McDonald A.M., Stanley C.J., Ross K.C., Nestola F.	Newsletter 29 in Min. Mag. (2016), 80/1, 199-205	Democratic Republic of the Congo - Katanga - Kipushi mine (formerly Prince Léopold mine) (S11°46'10", E27°14'08')	MHN-London	United Kingdom	T	8M 1967,271
Zincochromite	1986-015	1987	Nesterov A.R., Rumyantseva Ye.V.	ZVMO (1987), 116, 367-371	Russia - Northern Region - Karelia Republic - Lake Onega - Zaonezhie peninsula - Velikaya Guba deposit (U-V deposit) -	MM-St. Petersburg	Russia	T	1238/1
Zincocoplite	1964	1964	Tu Kwang-chih, Li Hsi-lin, Hsieh Hsen-deh, Yin Shu-sen	Acta Geologica Sinica (1964), 44/1, 99-101	China - Qinghai Province - Haixi Mongolian and Tibetan Autonomous Prefecture - northern edge of Qaidamu (Chaidamu) basin - Xitleshan mine (Pb-Zn deposit) (N37°20', E95°32')	NMG-Beijing	China	T	M09637
Zincöhögbomite-2N25	1994-016	1997	Feenstra A. & Ockenga E., Yalcin Ü., Medenbach O., Schreyer W.	Schweizerische Mineralogische Petrographische Mitteilungen (1997), 77, 73-93 & Eur. J. Min. (1998), 10, 1361-1366	Greece - Samos Island - Kerketefts Mt. - (emery deposit)	RUB-Bochum	Germany	T	
Zincöhögbomite-2N25	1994-016	1997	Feenstra A. & Ockenga E., Yalcin Ü., Medenbach O., Schreyer W.	Schweizerische Mineralogische Petrographische Mitteilungen (1997), 77, 73-93 & Eur. J. Min. (1998), 10, 1361-1366	Greece - Samos Island - Kerketefts Mt. - (emery deposit)	TUIM-Braunschweig	Germany	T	
Zincöhögbomite-2N25	1994-016	1998	Ockenga E., Yalcin Ü., Medenbach O., Schreyer W.	Eur. J. Min. (1998), 10, 1361-1366	Turkey - Menderes Massif	RUB-Bochum	Germany	T	
Zincöhögbomite-2N25	1994-016	1998	Ockenga E., Yalcin Ü., Medenbach O., Schreyer W.	Eur. J. Min. (1998), 10, 1361-1366	Turkey - Menderes Massif	TUIM-Braunschweig	Germany	T	
Zincöhögbomite-2N25	1994-016	1998	Ockenga E., Yalcin Ü., Medenbach O., Schreyer W.	Eur. J. Min. (1998), 10, 1361-1366	Greece - West-Samos Island - western slope of Kerketefts Mt.	TU-BA-Freiberg	Germany	CT	80588

Zincohögbomite-2N6S	2001 s.p.	1998	Armbruster T., Bermanec V., Zebec V., Oberhänsli R.	Schweizerische Mineralogische Petrographische Mitteilungen (1998), 78, 469-477	North Macedonia - Veles - Nezlavo area (dolomitic marbles)				
Zincolibethenite	2003-010	2005	Braithwaite R.S.W., Pritchard R.G., Paar W.H., Pattick R.A.D.	Min. Mag. (2005), 69/2, 145-153	Zambia (Northern Rhodesia) - Kabwe (Broken Hill)	IGUS-Salzburg	Austria	T	
Zincolibethenite	2003-010	2005	Braithwaite R.S.W., Pritchard R.G., Paar W.H., Pattick R.A.D.	Min. Mag. (2005), 69/2, 145-153	Zambia (Northern Rhodesia) - Kabwe (Broken Hill)	NSM-Edinburgh	United Kingdom/Scotland	T	
Zincolibethenite	2003-010	2005	Braithwaite R.S.W., Pritchard R.G., Paar W.H., Pattick R.A.D.	Min. Mag. (2005), 69/2, 145-153	Zambia (Northern Rhodesia) - Kabwe (Broken Hill)	NHM-London	United Kingdom	T	
Zincolivenite	2006-047	2007	Chukanov N.V., Pushcharovsky D.Y., Zubkova N.V., Pekov I.V., Pasero M., Merlino S., Möckel S.	Doklady Earth Sciences (2007), 415A/6, 841-845	Greece - Attika Prefecture - Lavrion deposit	TU-BA-Freiberg	Germany	HT	81475
Zincolivenite	2006-047	2016	Pekov I.V., Zubkova N.V., Yapaskurt V.O., Britvin S.N., Chukanov N.V., Lykova I.S., Sidorov E.G., Pushcharovsky D.Y.	Eur. J. Min. (2016), 28, 997-1004	Russia - Kamchatka - Tolbachik volcano - Northern Breakthrough of the Great Tolbachik Fissure Eruption, First scoria cone - northern fumarole field	FMM-Moscow	Russia	T	94377
Zincomenite	2014-014	2016	Pekov I.V., Zubkova N.V., Yapaskurt V.O., Britvin S.N., Chukanov N.V., Lykova I.S., Sidorov E.G., Pushcharovsky D.Y.	Eur. J. Min. (2016), 28/5, 997-1004	Russia - Far-Eastern Region - Kamchatka Peninsula - Tolbachik volcano - Northern Breakthrough of the Great Tolbachik Fissure Eruption - First scoria cone - Northern fumarole field	FMM-Moscow	Russia	T	94377
Zinconigerite-2N1S	2018-037		Can Rao, Rucheng Wang, Xiangping Gu, Qunke Xia, Chuanwan Dong, Hatert F., Xuege Yu, Wumengyu Wang	Newsletter 44 in Eur. J. Min. (2018), 877-882	China - Hunan Province - Linwu County - Xianghualing skarn (E112°34', N25°26')	NMG-Beijing	China	T	M13810
Zinconigerite-6N6S	2018-122a		Can Rao, Xiangping Gu, Rucheng Wang, Qunke Xia, Hatert F., Dai Bo F.	Newsletter 56 in Eur. J. Min. (2020), 32, 443-448	China - Hunan Province - Linwu County - Xianghualing skarn (N25°26', E112°34')	Geological Museum of China-Beijing	China	T	M13811
Zincospiroffite	2002-047	2004	Pei-Hua Zhang, Jin-Chu Zhu, Zhen-Hua Zhao, Xiang-Ping Gu, Jin-Fu Lin	Can. Min. (2004), 42, 763-768	China - Hebei Province - Zhangjiakou (Kaigang) Prefecture - Chongli County - Donggong Au-Te Orefield - Zhonggongou (Au deposit) (N40°55', E115°05')	NMG-Beijing	China	T	M10442
Zincostaurilite	1992-036	2003	Chopin C., Goffe B., Ungaretti L., Oberli R.	Eur. J. Min. (2003), 15, 167-176	Switzerland - Swiss Western Alps - Zermatt valley - Mesozoic Barhorn series	ENSM-Paris	France	T	56245
Zincostrunzite	2016-023	2017	Kampf A.R., Grey I.E., Alves P., Mills S.J., Nash B.P., MacRae C.M., Keck E.	Eur. J. Min. (2017), 29/2, 315-322	Portugal - Guarda District - Gouveia - Folgoso do Sítio do Castelo mine (tungsten mine) (N40° 30' 42", W7°30'29")	LACMNH-Los Angeles	USA	CT/CT	65646, 65647
Zincostrunzite	2016-023	2017	Kampf A.R., Grey I.E., Alves P., Mills S.J., Nash B.P., MacRae C.M., Keck E.	Eur. J. Min. (2017), 29, 315-322	Germany - Bavaria - Oberpfalz - Hagendorf - Hagendorf-Süd pegmatite (N49°39'01", E12°27'35")	MOV-Melbourne	Australia	CT	M53585
Zincovelesite-6N6S	2017-034	2018	Chukanov N.V., Krizhanovskaya M.G., Jancev S., Pekov I.V., Varlamov D.A., Göthlicher J., Rusakov V.S., Polekhovskiy Y.S.	Mineralogy and Petrology (2018), 112/5, 733-742	North Macedonia - Pelagonia mountain range - Jacupica Mountains - Veles (25 km WSW of) - Nezlavo (4.5 km NW of the village) (N41°41', E21°25')	FMM-Moscow	Russia	HT (part of)	4787/1
Zincovelesite-6N6S	2017-034	2018	Chukanov N.V., Krizhanovskaya M.G., Jancev S., Pekov I.V., Varlamov D.A., Göthlicher J., Rusakov V.S., Polekhovskiy Y.S.	Mineralogy and Petrology (2018), 112/5, 733-742	North Macedonia - Pelagonia mountain range - Jacupica Mountains - Veles (25 km WSW of) - Nezlavo (4.5 km NW of the village) (N41°41', E21°25')	National Institution, Macedonian Museum of Natural History-Skopje	Macedonia	HT (part of)	PNMG 790
Zincovoltaitite	1985-059	1987	Li Wanmao, Chen Guoying, Sun Shurong	Acta Mineralogica Sinica (1987), 7, 307-312	China - Qinghai Province - Haini Mongolian and Tibetan Autonomous Prefecture - northern edge of Qaidam (Chaidamu) basin - Xitashan (in the oxidation zone of a Pb-Zn-Fe deposit)	GDU-Lanzhou	China	T	
Zincovoltaitite	1985-059	1987	Li Wanmao, Chen Guoying, Sun Shurong	Acta Mineralogica Sinica (1987), 7, 307-312	China - Qinghai Province - Haini Mongolian and Tibetan Autonomous Prefecture - northern edge of Qaidam (Chaidamu) basin - Xitashan (in the oxidation zone of a Pb-Zn-Fe deposit)	NMG-Beijing	China	T	M09457
Zincowoodwardite-1T	1998-026	2000	Witzke T., Raade G.	Neues Jahrbuch für Mineralogie Monatshefte (2000), 455-465	Greece - Attica - Lavrion (near), Kamariza - Hilarion mine	TU-BA-Freiberg	Germany	HT	78399
Zincowoodwardite-1T	1998-026	2000	Witzke T., Raade G.	Neues Jahrbuch für Mineralogie Monatshefte (2000), 455-465	Greece - Attica - Lavrion (near), Kamariza - Hilarion mine	NHM-Wien	Austria	CT	H858
Zincowoodwardite-3R	1998-026	2000	Witzke T., Raade G.	Neues Jahrbuch für Mineralogie Monatshefte (2000), 455-465	Greece - Attica - Lavrion (near), Kamariza - Hilarion mine	TU-BA-Freiberg	Germany	CT	78399
Zincowoodwardite-3R	1998-026	2000	Witzke T., Raade G.	Neues Jahrbuch für Mineralogie Monatshefte (2000), 455-465	Greece - Attica - Lavrion (near), Kamariza - Hilarion mine	NHM-Wien	Austria	CT	H858
Zincrososite	1959	1959	Strunz H.	Fortschritte der Mineralogie (1959), 37, 87-90	Namibia - Tsumeb - Tsumeb mine	IMK-TU-Berlin	Germany	HT	N1377
Zincroselite	1985-055	1986	Keller P., Innes J., Dunn P.J.	Neues Jahrbuch für Mineralogie Monatshefte (1986), 523-527	Namibia - Otavi - Tsumeb (level 32)	IMKU-Stuttgart	Germany	HT	NM 16
Zincroselite	1985-055	1986	Keller P., Innes J., Dunn P.J.	Neues Jahrbuch für Mineralogie Monatshefte (1986), 523-527	Namibia - Otavi - Tsumeb (level 32)	NMNH-Washington	USA	CT	163340
Zincroselite	1985-055	1986	Keller P., Innes J., Dunn P.J.	Neues Jahrbuch für Mineralogie Monatshefte (1986), 523-527	Namibia - Otavi - Tsumeb (level 32)	Archiv der Universität Stuttgart-Stuttgart (Mineralogisches Sammlung Prof. Keller)	Germany	HT	TM-85.55
Zincsilite	1962 s.p.	1960	Smolyaninova N.N., Moleva V.A., Organova N.J.	Rep. Meet. Internat. Comm. Study Clays (1960), 45-52	Kazakhstan - (Central) - Batystau Pb-Zn-Cu deposit	VGM-Moscow	Russia	CT	46337
Zincsilite	1962 s.p.	1960	Smolyaninova N.N., Moleva V.A., Organova N.J.	Rep. Meet. Internat. Comm. Study Clays (1960), 45-52	Kazakhstan - (Central) - Batystau Pb-Zn-Cu deposit	FMM-Moscow	Russia	T (?)	61517, 80068, vis5396
Zinczippeite	1971-008	1976	Fronzel C., Ito J., Honea R.M., Weeks A.M.	Can. Min. (1976), 14, 429	USA - Arizona - Yavapai County - Eureka District - Bagdad - Bozarth Mesa - Hillside Mine				
Zinkenite	1826	1826	Rose G.	Annalen der Physik und Chemie (1826), 7, 83, 91-96	Germany - Saxony-Anhalt - Harz Mts. - Wolfsberg	Museum für Naturkunde, Humboldt-Universität-Berlin	Germany	T (?)	1999-0081
Zinkgruvaitite	2020-031		Camara F., Holtstam D., Jansson N., Jonsson E., Karlsson A., Langhof J., Majka J., Zetterqvist A.	Newsletter 56 in Eur. J. Min. (2020), 32, 443-448	Sweden - Orebro County - Askersund Municipality - Ammerberg (near) - Zinkgruvan Zn-Pb deposit (N58°49', E15°06')	SMNH-Stockholm	Sweden	T	GEO-NRM no. 20170502
Zinkosite	1852	1852	Breithaupt A.	Berg- und Hüttenmännische Zeitung (1852), 11, 100	Spain - Andalusia - Almeria - Cuevas del Almanzora - Sierra Almogera - Jaroso Ravine				
Zippeite	1971-029a	1845	Haidinger W.	Handbuch der Bestimmenden Mineralogie, Braumüller and Seidel, Wien (1845), 510	Czech Republic - Bohemia - Karlovy Vary Region - Krušné Hory Mts - Jachymov District - Jachymov - Elias Mine				
Zircon	1789	1789	Klaproth M.H.	Bergmannisches Journal (1789), 1, 369	Sri Lanka				
Zirconolite	1989 s.p.	1824	Berzelius J.	Kongliga Svenska Vetenskaps-Akademins Handlingar (1824), 334	Norway - Vestfold - Fredricksvärn (Stavern)				
Zirconolite-2M	1989 s.p.	1956	Borodin L.S., Nazarenko I.J., Rickett T.L.	DAN (1956), 110/5, 845-848	Russia - Kola Peninsula - Afrikanida alkaline-ultrabasic massif	FMM-Moscow	Russia	T (?)	59249-51, vis6008, vis6012
Zircophyllite	1971-047	1972	Kapustin Yu.L.	ZVMO (1972), 101/4, 459-463	Russia - SE Tuva - Sangilen Upland - Korgeredabinsk massif (in Svanite)	FMM-Moscow	Russia		
Zircosulfate	1968 s.p.	1965	Kapustin Yu.L.	ZVMO (1965), 94/5, 530-532	Russia - Siberia - SE Tuva - Sangilen Upland - Korgeredaba alkaline massif	FMM-Moscow	Russia	T	72031
Zirkelite	1989 s.p.	1895	Hussak E., Prior G.T.	Min. Mag. (1895), 11, 80-88	Brazil - Sao Paulo - Jacupiranga	MHN-Paris	France	T	97.29
Zirkelite	1989 s.p.	1895	Hussak E., Prior G.T.	Min. Mag. (1895), 11, 80-88	Brazil - Sao Paulo - Jacupiranga	NHM-London	United Kingdom	HT	BM 80142

Zirklerite	1928	1928	Harbort E.	Kali und verwandte Salze Zeitschrift für D. Kali- U. Steinsalzindustrie sowie das Salinenwesen Halle (1928) 22, 157-161	Germany - Niedersachsen - Hannover - Hope (near Walsrode) - Adolfsgrück mine	NHM-London	United Kingdom	HT	BM 1929.40
Zirsilite-(Ce)	2002-057	2003	Khomyakov A.P., Dumatov V.D., Ferraris G., Gula A., Ivaldi G., Neehelustov G.N.	ZVMO (2003), 132/5, 40-51	Tajikistan - northern Tajikistan - Darai-Pioz alkaline massif	FMM-Moscow	Russia	T	
Zirsinaitite	1973-025	1974	Kapustin Yu.L., Pudovkina Z.V., Bykova A.V.	ZVMO (1974), 103, 551-558	Russia - Kola Peninsula - Khibiny massif - Kosshva Mt.	FMM-Moscow	Russia	T	75140
Zlatogorite	1994-014	1994	Kabakov Yu.K., Sokolova E.V., Spiridonov E.M., Spiridonov F.M.	Doklady Akademii Nauk (1994) 335, n6, 709-711	Russia - Central Urals - Saimon Valley - Karabash town - Zlatogora deposit (Au deposit)	FMM-Moscow	Russia	T	p854
Znamenskyite	2014-026		Chaplygin I.V., Mozgova N.N., Bryzgalov I.A., Belakovskiy D.J., Pervukhina N.V., Borisov S.V., Magaril S.A.	Newsletter 21 in Min. Mag. (2014), 78/4, 797-804	Russia - Kurile Islands - Iturup Island - Kudriavyy Volcano	FMM-Moscow	Russia	T	4558/1
Znucalite	1989-033	1990	Ondrus O., Veselovsky F., Rybka R.	Neues Jahrbuch für Mineralogie Monatshefte (1990), 393-400	Czech Republic - Stredocesky (Central Czechy) - Pribram - Lill mine dumps (operated 2nd half 19th century)	CUP-Praha	Czech Republic	CT	
Znucalite	1989-033	1990	Ondrus O., Veselovsky F., Rybka R.	Neues Jahrbuch für Mineralogie Monatshefte (1990), 393-400	Czech Republic - Stredocesky (Central Czechy) - Pribram - Lill mine dumps (operated 2nd half 19th century)	NMCR-Praha	Czech Republic	CT	
Znucalite	1989-033	1990	Ondrus O., Veselovsky F., Rybka R.	Neues Jahrbuch für Mineralogie Monatshefte (1990), 393-400	Czech Republic - Stredocesky (Central Czechy) - Pribram - Lill mine dumps (operated 2nd half 19th century)	RMM-Pribram	Czech Republic	CT	
Zodacite	1987-014	1988	Dunn P.J., Grice J.D., Metropolis W.C.	Amer. Min. (1988), 73, 1179-1181	Portugal - Viseu - Mangualde pegmatite (N40°36', W7°46')	CMN-Ottawa	Canada	T	53452
Zodacite	1987-014	1988	Dunn P.J., Grice J.D., Metropolis W.C.	Amer. Min. (1988), 73, 1179-1181	Portugal - Viseu - Mangualde pegmatite (N40°36', W7°46')	NMNH-Washington	USA	HT	149.953
Zoharite	2017-049		Galuskin I.O., Krüger B., Goluskin E.V., Krüger H., Vapnik Y., Murashko M., Agakhanov A.A., Pauluhn A., Olleric V.	Newsletter 39 in Min. Mag. (2017) in Eur. J. Min. (2017), 931-936	Israel - Arad (near) - Negev Desert - Haturim Complex - Halamish outcrops (N31°09'42", E35°17'29")	FMM-Moscow	Russia	T	4959/1
Zoisite	1805	1805	Jameson R.	System of Mineralogy, Vol. 2. Bell and Bradfute, Edinburgh (1805), 597-598	Austria - Carinthia - Saualpe - Speikkogel area - Ladinger Spitze - Frickler Halt				
Zolenskyite	2020-070		{?}	Forum AMI (2020), december, 7th	{?}	No datas on the type			
Zoltaitite	2003-006	2005	Bartholomew P.R., Manini F., Cahill C., Harlow G.E.	Amer. Min. (2005), 90, 1655-1660	Canada - SE British Columbia - Wigwam deposit (Pb-Zn deposit)				
Zorite	1972-011	1973	Merkov A.N., Bussen I.V., Gaiko E.A., Kulitskaya E.A., Men'shikov Yu.P., Nedorezova A.P.	ZVMO (1973), 102, 54-62	Russia - Kola Peninsula - Lovozero alkaline massif - Karnasurt Mt. - Jubilejnaja pegmatite	GKB-Apatity	Russia	T	3144, 3207
Zorite	1972-011	1973	Merkov A.N., Bussen I.V., Gaiko E.A., Kulitskaya E.A., Men'shikov Yu.P., Nedorezova A.P.	ZVMO (1973), 102, 54-62	Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt. - Jubilejnaja pegmatite	MM-St. Petersburg	Russia	T	1059/1-5
Zorite	1972-011	1973	Merkov A.N., Bussen I.V., Gaiko E.A., Kulitskaya E.A., Men'shikov Yu.P., Nedorezova A.P.	ZVMO (1973), 102, 54-62	Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt. - Jubilejnaja pegmatite	FMM-Moscow	Russia	T	74486-88
Zorite	1972-011	1973	Merkov A.N., Bussen I.V., Gaiko E.A., Kulitskaya E.A., Men'shikov Yu.P., Nedorezova A.P.	ZVMO (1973), 102, 54-62	Russia - Kola Peninsula - Lovozero alkaline massif - Karnasurt Mt. - Jubilejnaja pegmatite	UDG-St. Petersburg	Russia	T	15286, 18102, 18155
Zoubekite	1983-032	1986	Megarskaya L., Rykl D., Taborsky Z.	Neues Jahrbuch für Mineralogie Monatshefte (1986), 1-7	Czech Republic - Stredocesky (Central Czechy) - Pribram mining district	NMCR-Praha	Czech Republic	CT	PIN-87272
Zoubekite	1983-032	1986	Megarskaya L., Rykl D., Taborsky Z.	Neues Jahrbuch für Mineralogie Monatshefte (1986), 1-7	Czech Republic - Stredocesky (Central Czechy) - Pribram mining district	RMM-Pribram	Czech Republic	HT	
Zubkovaite	2018-008	2019	Pekov I.V., Lykova I.S., Agakhanov A.A., Belakovskiy D.J., Vigasina M.F., Britvin S.N., Turchkova A.G., Sidorov E.G., Scheidl K.S.	Min. Mag. (2019), 83, 879-886	Russia - Far-Eastern Region - Kamchatka Peninsula - Tolbachik volcano - Northern Breakthrough of the Great Tolbachik Fissure Eruption - Tolbachik volcano - Second scoria cone - Arsenatnaya fumarole (N55°41', E160°14')	FMM-Moscow	Russia	T	96202
Zugshunstite-(Ce)	1996-055	2001	Rouse R.C., Peacor D.R., Essene E.J., Coscaren T.D., Lauf R.J.	Geochimica et Cosmochimica Acta (2001), 65, 1101-1115	USA - Tennessee - Great Smoky Mountains National Park - Alum Cave Bluff	DGM-UM-Ann Arbor	USA	T	
Zugshunstite-(Ce)	1996-055	2001	Rouse R.C., Peacor D.R., Essene E.J., Coscaren T.D., Lauf R.J.	Geochimica et Cosmochimica Acta (2001), 65, 1101-1115	USA - Tennessee - Great Smoky Mountains National Park - Alum Cave Bluff	NMNH-Washington	USA	T	
Zuktamurite	2013-107	2019	Britvin S.N., Murashko M.N., Vapnik Y., Polekhovskiy Y.S., Krivovichev S.V., Vereshchagin O.S., Vlasenko N.S., Shilovskikh	Physics and Chemistry of Minerals (2019), 46/4, 361-369	Israel - Negev Desert - southern Haturim Formation - Halamish Wadi (N31°09'47", E35°17'57")	MM-St. Petersburg	Russia	HT	19607
Zunyte	1884	1884	Hillebrand W.F.	Proceedings of the Colorado Scientific Society (1884), 1, 124-132	USA - Colorado - San Juan County - Anvil Mountain, Silverton - Zuny	NMNH-Washington	USA	T	49082
Zussmanite	1964-018	1965	Agrell S.O., Bawn M.G., McKie D.	Amer. Min. (1965), 50, 278 (abstract)	USA - California - Mendocino County - Laytonville district - Laytonville (5 mls S of)	NHM-London	United Kingdom	CT	BM 1964.545
Zussmanite	1964-018	1965	Agrell S.O., Bawn M.G., McKie D.	Amer. Min. (1965), 50, 278 (abstract)	USA - California - Mendocino County - Laytonville district - Laytonville (5 mls S of)	NMNH-Washington	USA	T	109454
Zvestovite-(Zn)	2020-061		Sejkora J., Biagioni C., Vrška L., Mořlo Y.	Newsletter 58 in Eur. J. Min. (2020), 32, 645-651	Czech Republic - central Bohemia Vlasim (10 km SW of) - Zvestov (1200 m NNE of the village of) - At the mine dump of the small deposit of Zvestov (Stribnice) (N49°38'39.069", E14°47'51.993")	NMCR-Praha	Czech Republic	T	P1P 50/2020
Zvestovite-(Zn)	2020-061		Sejkora J., Biagioni C., Vrška L., Mořlo Y.	Newsletter 58 in Eur. J. Min. (2020), 32, 645-651	Czech Republic - central Bohemia Vlasim (10 km SW of) - Zvestov (1200 m NNE of the village of) - At the mine dump of the small deposit of Zvestov (Stribnice) (N49°38'39.069", E14°47'51.993")	MSN-UP-Calci (Pisa)	Italy	T	19921
Zvyaginite	2013-071	2014	Pekov I.V., Lykova I.S., Chukanov N.V., Yapakurt V.O., Belakovskiy D.J.	ZVMO (2014), 143/2, 45-63	Russia - Kola Peninsula - Lovozero Alkaline Complex - Mt. Maiyi Punkaragaly	FMM-Moscow	Russia	T	94140
Zvyagintsevite	1966-006	1966	Gentkin A.D., Muraveva I.V., Troneva N.V., Cabril L.J., Traill R.J.	Geologiya Rudnykh Mestorozhdenii (1966), 8, 94-100 (A) - id. with Can. Min. (1966), 8, 541-550 (B)	Russia - Siberia - Krasnoyarskiy Krai - Noril'sk district - Talnakh - Zapolyarnyy mine	GSC-Ottawa	Canada	HT	10401
Zvyagintsevite	1966-006	1966	Gentkin A.D., Muraveva I.V., Troneva N.V., Cabril L.J., Traill R.J.	Geologiya Rudnykh Mestorozhdenii (1966), 8, 94-100 (A) - id. with Can. Min. (1966), 8, 541-550 (B)	Russia - Siberia - Krasnoyarskiy Krai - Noril'sk district - Talnakh - Zapolyarnyy mine	FMM-Moscow	Russia	T	73001
Zwieselite	2003 s.p.	1849	Breithaupt A.	Vollständiges Handbuch der Mineralogie, Vol. 2. Arnoldische, Dresden und Leipzig (1869), 299	Germany - Bavaria - Lower Bavaria - Zwiesel - Birkhöhe quarry (Birkenhöhe quarry)				
Zykaite	1976-039	1978	Cech F., Jansa J., Novak F.	Neues Jahrbuch für Mineralogie Monatshefte (1978), 134-144	Czech Republic - Stredocesky (Central Czechy) - Kutna Hora (near) - Kank - Safary mine	CUP-Praha	Czech Republic	CT	20558
Zykaite	1976-039	1978	Cech F., Jansa J., Novak F.	Neues Jahrbuch für Mineralogie Monatshefte (1978), 134-144	Czech Republic - Stredocesky (Central Czechy) - Kutna Hora (near) - Kank - Safary mine	ENSM-Paris	France	CT	51080
Zykaite	1976-039	1978	Cech F., Jansa J., Novak F.	Neues Jahrbuch für Mineralogie Monatshefte (1978), 134-144	Czech Republic - Stredocesky (Central Czechy) - Kutna Hora (near) - Kank - Safary mine	NMNH-Washington	USA	T	144940/41