

Macaulayite

Wilson MJ, Russel JD, Tait JM, Clark DR, Frazer AR: *Min.Mag.*(1984) 48, 127-129

Great Britain - Scotland - Aberdeenshire - Inverurie (7km WNW of) - Bennachie car park (E end of)

- United Kingdom: NHM-London - Type: HT:
- United Kingdom: RMS-Edinburgh - Type: CT:

Macdonaldite

Alfors JT, Stinson MC, Matthews RA, Pabst A: *Amer.Min.*(1965) 50, 314-340

USA - California - Fresno County - Trimmer (5 mls NE of) - Big Creek and Rush Creek sanbornite deposit

- USA: CSMMM-Mariposa - Type: T:

Macedonite

Radusinovic D and Markov C: *Amer.Min.*(1971) 56, 387-394

Macedonia - Prilep (near) - Crni Camen

- USA: NMNH-Washington - Type: T: 122391 (don. Radusinovic and Markov, 1970)

MacFallite

Moore PB, Ito J, Steele IM: *Min.Mag.*(1979) 43, 325-331

USA - Michigan - Keweenaw County - Copper Harbour - Manganese-Lake prospect

- United Kingdom: NHM-London - Type: T: BM 1984,139
- USA: NMNH-Washington - Type: T: 135923 (don. PB Moore, 1976)

Machatschkiite

Walenta K: *Tschemm.Min.Petr.Mitt.*(1977) 24, 125-132

Germany - Baden-Württemberg - Schwarzwald - Heubachtal, near Schiltach - Anton mine

- USA: NMNH-Washington - Type: T: 137412

Macphersonite

Livingstone A and Sarp H: *Min.Mag.*(1984) 48, 277-282

United Kingdom - Scotland - Lanarkshire - Leadhills area - Leadhills Dod

- Switzerland: MHN-Genève - Type: CT: 435/80
- United Kingdom: RMS-Edinburgh - Type: CT: 721.34 (Leadhills)

France - Bourgogne - Saône-et-Loire dép. - St. Prix, near - L'Argentolle mine

- Switzerland: MHN-Genève - Type: CT: 435/80 (L'Argentolle)

Macquartite

Williams SA and Duggan M: *Bull.Min.*(1980) 103, 530-532

USA - Arizona - Pinal County - Tiger - Mammoth mine

- USA: UA-Tucson - Type: T:
- France: MHN-Paris - Type: T: (don. SA Williams)
- United Kingdom: NHM-London - Type: CT: BM 1980,542
- USA: NMNH-Washington - Type: T: R18726 (don. Ward's Nat.Sci.Etabl., 1981)

Madocite

Jambor JL: *Can.Min.*(1967) 9, 7-24

Canada - Ontario - Hastings County - Huntingdon Township, Lot 13, Con. XIV - Madoc, Taylor pit

- Canada: GSC-Ottawa - Type: CT: 12146 (pol. sect.), 12178
- USA: NMNH-Washington - Type: CT: 160247
- Canada: ROM-Toronto - Type: CT: M35896 (a few mg)

Magadiite

Eugster HP: Science (1967) 157, 1177-1180

Kenya - *Magada Lake - High Maghadi beds*

- France: ENSM-Paris - Type: T: (don. HP Eugster, 1968, nr. 24118)
- USA: NMNH-Washington - Type: T: 121336 (don. HP Eugster, 1968; with type Kenyaite)

Magnesioaubertite

Gebhard G, Medenbach O, Gebert W: Der Aufschluss (1988) 39, 97-102

Italia - *Sicilia - Messina - Isole Eolie - Isola Vulcano (Grotta del Faraglione)*

- Germany: RUB-Bochum - Type: HT: ~5 g
- USA: NMNH-Washington - Type: CT: 168433

Magnesioaxinite

Jobbins EA, Tresham AE, Yuong BR: J.Gemmol.(1975) 14, 368-375

Tanzania

- United Kingdom: NHM-London - Type: [HT: (formerly Geol. Museum)]

A blue gemstone from "Tanzania"

Magnesiochloritoid

Bearth P: Schweiz.Min.Petr.Mitt.(1963) 43, 269-286

Switzerland - *Wallis - Saas-Fee - Allalin area*

- Switzerland: MPI-Basel - Type: HT: Ad1 (is actually missed)

Magnesiocoulsonite

Reznitskii LZ, Sklyarov EV, Ushchapovskaya ZF: ZVMO,(1995) 124, n4, 91-98

Russia - *Irkutskaya Oblast - Slyudyanka - Precambrian Slyudyanka complex*

- Russia: FMM-Moscow - Type: :

In Cr-V-bearing parametamorphic rocks

Magnesioidumortierite

Chopin C, Ferraris G, Ivaldi G, Schertl H-P, Schreyer W, Compagnoni R, Davidson C, Davis AM: Eur.J.Min.(1995) 7, 525-535

Italia - *Piemonte - Cueno - Southern Dora-Maira massif*

- Italy: MRSN-Torino - Type: CT: 93005.1/2
- France: MHN-Paris - Type: CT:

Compare G Ferraris, G Ivaldi, C Chopin in: Eur.J.Min.(1995) 7, 167-174 (structure)

Magnesiofoitite

Hawthorne FC, Selway JB, Kato A, Matsubara S, Shimizu M, Grice JD, Vajdak J: Can.Min.(1999) 37, 1439-1443

Japan - *Honshu - Yamanashi-ken Prefecture - Higashi-Yamanashi-gun - Mitomi-Mura, Kyonosawa (at)*

- Canada: CMN-Ottawa - Type: T: 81566
- Canada: ROM-Toronto - Type: T: M47672

Found in a hydrothermally altered quartz-phenocryst-bearing porphyry from Kyonosawa.

Magnesiosadanagaite

Shimazaki H, Bunno M, Ozawa T: Amer.Min.(1984) 69, 465-471

Japan - *Shikoku/Honshu (between) - Ehime Pref. - Yuge and Myojin Islands*

- Japan: NSM-Tokyo - Type: T: M-23378

Magnesiumchlorophoenicite

Palache C: U.S.Geol.Surv.,Prof.Paper (1935) 180, 123-124

USA - New Jersey - Sussex County - Franklin

- USA: HMM-Cambridge - Type: HT: 92803 (descr. from HMM-coll.)
- USA: NMNH-Washington - Type: HT (part of) & T: 147729 (don. Harvard Univ., no. 92803) and 096495 (don. Harvard Univ., 1931)

Magnetoplumbite

Aminoff G: GFF,(1925) 47, 283-289

Sweden - Värmland - Filipstad - Filipstad - Langban, Amerikastöpe

- Sweden: SMNH-Stockholm - Type: HT: 24639

Magniotriplite

Ginzburg AI, Kruglova NA, Moleva VA: DAN-SSSR (1951) 77/1, 97-100

Kyrgystan - Turkestan Range - Karasu and Kyrk-Bulak granite pegmatites

- Russia: FMM-Moscow - Type: T: 50653-58

Magnolite

Genth FA: Amer.Phil.Soc.(1877) 17, 113-123

USA - Colorado - Boulder County - Magnolia Mining district - Keystone mine

- USA: HMM-Cambridge - Type: T: 112683 (don. Univ. of Pennsylvania, Genth coll.)
- USA: NMNH-Washington - Type: T: 165455 (don. CMN-Ottawa, G Robinson, 1989)

Magnussonite

Gabrielson O: Arkiv Min.Geol.(1956) 2, 133-135

Sweden - Värmland - Filipstad - Filipstad - Langban, Hindenburgstøpe

- USA: HMM-Cambridge - Type: T: 106140 and 106637 (don. SMNH no. 280011 and 30015 via F Wickman 1951)
- United Kingdom: NHM-London - Type: CT: BM 1963,233
- Sweden: SMNH-Stockholm - Type: HT: g32215

Mahlmoodite

Milton C, McGee JJ, Evans HT: Amer.Min.(1993) 78, 437-440

USA - Arkansas - Garland County - Wilson Springs - Union Carbide V-mine

- USA: NMNH-Washington - Type: T: (not yet in the NMNH-catalogue)

Mahnertite

Sarp H: Archs Sci. Genève,(1996) 49, n2, 119-124

France - Provence-Alpes-Côte d'Azur - Var dép. - Pradet, near - Cap Garonne mine

- Switzerland: MHN-Genève - Type: T:

Majakite

Genkin AD, Evstigneeva TL, Troneva NV, Vyal'sov LN: ZVMO,(1976) 105, 698-703

Russia - Krasnoyarskiy Krai - Noril'sk - Talnakh - Majak mine

- Russia: FMM-Moscow - Type::
- Russia: IGEM-Moscow - Type::

Majorite

Smith JV, Mason B: Science (1970) 168, 832-833

Meteorite-Australia - Western Australia, Eucla, Rawlinna (near) (S30 27', E126 06') - Meteorite Coorara - Stone, Olivine-hypersthene Chondrite, L6

- USA: NMNH-Washington - Type: T: 122379 (don. B Mason, 1970)

In a veinlet of the meteorite, produced by high pressure transformation of low Ca-pyroxene to the higher density garnet structure

Makarochkinite

Polyakov VO, Cherepivskaya GE, Shcherbakova EP: 'New and poorly stud.min. and min. assembl. of the Urals', Sverdlovsk (1986) 108-110

Russia - Ural (S) - Chelyabinsk Oblast - Miass, Ilmeny Mts. - Ishkul' Mt. (E slope of, pit no. 400)

- Russia: FMM-Moscow - Type: T:
- Russia: MM-St.Petersburg - Type: T: 2529/2
- Russia: MSRI-Miass - Type: T: iz5662
- Russia: VGM-Moscow - Type: CT: 56028 (don. VO Polykov, 1986)

Makatite

Sheppard RA, Gude AJ, Hay RL: Amer.Min.(1970) 55, 358-366

Kenya - Rift Valley - Lake Magadi (drill hole B, 88.5 and 95.5 foot depth)

- USA: NMNH-Washington - Type: CT: 122170 (don. U.S.Geol.Serv., thru RA Sheppard, 1970; drill hole B, 88.5 foot depth)

Mäkinenite

Vuorelainen Y, Huhma H, Häkli A: Compt.Rend.Soc.Geol.Finland,(1964) 36, 113-125

Finland - Oulun Lääni (NR part of the) - Kuusamo - Kitka river (Valley of the)

- France: ENMS-Paris - Type: CT: (don. Y Vuorelainen, 1968)

from a low grade U- and Se-mineralisation in an albite diabase

Makovickyite

Zak, L, Fryda J, Mumme WG, Paar WH: Neues Jahrb. Abh.(1994) 168, 127-145

Austria - Salzburg - Pinzgau - Felbertal

- Czech Republic: CUP-Praha - Type: CT:
- Czech Republic: NM-Praha - Type: CT:

Romania - Transylvania - Apuseni Mts. - Baita Bihorului

- Czech Republic: CUP-Praha - Type: CT:
- Czech Republic: NMNH-Praha - Type: CT:

Hungarian locality names: Rézbánya

Malayaite

Alexander JB and Flinter BH: Min.Mag.(1965) 35, 622-627

Malaysia - Perak - Balang Padang district - Chenderiang - Sungei Lah (N 4 12'30", E101 12'15")

- United Kingdom: NHM-London - Type: T:

Malinkoite

Khomyakov AP, Nechelyustov GN, Sokolova EV, Hawthorne FC: ZVMO (2000) 129/6, 35-42

Russia - Kola Peninsula - Lovozero massif - Karnasurt and Alluaiv Mts.

- Russia: FMM-Moscow - Type: T: 2613/1

Malladrite

Zambonini F and Carobbi G: Atti R. Accad.Lincei.Rend.Cl.Sci.fis.mat.nat., Roma (1926) ser.6, 4, 171-175

Italia - Campania - Napoli - Vesuvio, Monte Somma

- Italy: MMUFI-Firenze - Type: HT: 226/I (few g)

Mallardite

Carnot A: Bull.Soc.fr.Min.(1879) 2, 117

USA - Utah - Salt Lake County - Bingham District, Butterfield Canyon (near) - Lucky Boy Silver mine

- France: MHN-Paris - Type: T: 96132 (don. A Carnot)

Mammothite

Peacor DR, Dunn PJ, Schnorrer-Köhler G, Bideaux RA: Min.Rec.(1985) 16, n. 2, 117-120

USA - Arizona - Pinal County - Tiger - Mammoth mine

- USA: NMNH-Washington - Type: HT/T: 161200 (don. RA Bideaux, 1984) and 141368 (JJ Trelawney coll., 1984)

Greece - Attica - Lavrion (second TL)

- Germany: MSU-Göttingen - Type: CT: (1 specimen)

Manaksite

Khomyakov AP, Kurova TA, Nechelyustrov GN: ZVMO,(1992) 121, n1, 112-115

Russia - Kola Peninsula - Lovozero massif - Alluaiv Mt.

- Russia: FMM-Moscow - Type: T:

In alkalic pegmatites

Manandonite

Lacroix A: C.R.Acad.Sci.Paris (1912) 155, 446

Madagascar - Manadona river (near the)

- France: MHN-Paris - Type: CT/T: 112.420, 125.121/2 ff (types of A Lacroix)

Mandarinoite

Dunn PJ, Peacor DR, Sturman BD: Can.Min.(1978) 16, 605-609

Bolivia - Potosí Dep. - Hiaco near Colquechaca - Pacajake mine

- USA: NMNH-Washington - Type: HT: 142878 (don. WW Pinch, 1978)

Manganarsite

Peacor DR, Dunn PJ, Simmons WB, Wicks FJ: Amer.Min.(1986) 71, 1517-1521

Sweden - Värmland - Filipstad - Filipstad - Langban

- USA: NMNH-Washington - Type: T: R5795

Manganehörnesite

Gabrielson O: Arkiv Min.Geol.(1951) 1, 333-337

Sweden - Värmland - Filipstad - Filipstad - Langban

- Sweden: SMNH-Stockholm - Type: HT: 251065

Manganeseshadlunite

Evstigneeva TL, Genkin AD, Troneva NV, Filimonova AA, Tsepin AI: ZVMO,(1973) 102, 63-74

Russia - Krasnoyarskiy Krai - Noril'sk - Talnakh - Oktyabr deposit

- Russia: FMM-Moscow - Type::

Mangangordonite

Leavens PB, White JS, Robinson GW, Nelen JA: Neues Jahrb.,Mh.(1991) 169-176

USA - North Carolina - Cleveland County - Kings Mountains (near) - Foote Mineral Company Spodumene mine

- Canada: CMN-Ottawa - Type: CT: 54513 (Newry)
- USA: NMNH-Washington - Type: CT: 162695 (Kings Mountain)

Second TL: USA, Maine, Newry, Dunton gem mine.

Manganhumite

Moore PB: *Min.Mag.*(1978) 42, 133-136

Sweden - Värmland - Filipstad - Filipstad - Nordmark, Brattforsgruvan

- USA: HMM-Cambridge - Type: HT (part of): 119819 (CA Francis coll., from PB Moore)
- USA: NMNH-Washington - Type: HT & T: 137016 and 162626

Manganochromite

Graham J: *Amer.Min.*(1978) 63, 1166-1174

Australia - South Australia - Brukunga - Nairne Pyrite deposit - Shepard Hill quarry (S35 02', E138 55')

- Australia: WAM-Perth - Type: HT: M65.1991 (polished mount; formerly 17225)

Manganokhomyakovite

Johnsen O, Gault RA, Grice JD, Ercit TS: *Can.Min.*(1999) 37, 893-899

Canada - Quebec - Rouville County - Mont Saint-Hilaire - Poudrette quarry

- Canada: CMN-Ottawa - Type: CT: CMNMC 81558/9

Manganolangbeinite

Zambonini F and Carobbi G: *Rend.Accad.Sci.fis.mat., Napoli* (1924) ser.3, 30, 126

Italia - Campania - Napoli - Vesuvio, Monte Somma

- Italy: MMUFI-Firenze - Type: HT: 1975/I

Manganonaujakasite

Khomyakov AP, Nechelyustov GN, Ferraris G, Ivaldi G: *ZVMO* (2000) 129, n4, 48-53

Russia - Kola Peninsula - Lovozero massif

- Russia: FMM-Moscow - Type: T: 2528/1 and 2528/2

Manganonordite-(Ce)

Pekov IV, Chukanov NV, Kononkova NN, Belakovsky DI, Pushcharovskii DYu, Vinogradova SA: *ZVMO*,(1998) 127, n1, 32-41

Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt.

- Russia: FMM-Moscow - Type: T:

Manganosegelerite

Voloshin AV, Pakhomovskii YaA, Tyusheva FN: *ZVMO*,(1992) 121, n2, 95-103

Russia - Kola Peninsula - Voronya Tundra

- Russia: FMM-Moscow - Type: T:

In granitic pegmatites

Manganostibite

Igelström LJ: *GFF*,(1884) 7, 210

Sweden - Värmland - Filipstad - Filipstad - Nordmark, Brattforsgruvan

- Sweden: SMNH-Stockholm - Type: HT: g28938

Manganotapiolite

Lahti SI, Johanson B, Virkkunen M: *Bull.Geol.Soc.Finland*,(1983) 55, 101-109

Finland - Hameen Lääni - Orivesi (SE of) - Eräjärvi (5kn E of) - Viitaniemi pegmatite

- Finland: MM-GSF-Helsinki - Type: HT:

Manganotychite

Khomyakov AP, Bakhchisaraitsev AYu, Martynova AV, Parashchenko TM: ZVMO,(1990) 119, n5, 46-49
Russia - Kola Peninsula - Lovozero massif - Alluaiv Mt.

- Russia: FMM-Moscow - Type: T:
- Russia: GIKB-Apatity - Type: T:

In hyperalkalic pegmatite veins

Manganpyrosmalite

Frondel C and Bauer LH: Amer.Min.(1953) 38, 755-760

USA - New Jersey - Sussex County - Ogdensburg - Sterling Hill mine

- USA: HMM-Cambridge - Type: CT: 104214/5 (don. LH Bauer)
- USA: NMNH-Washington - Type: T: C06216 (don. LH Bauer, thru Canfield coll., 1955)

Manganvesuvianite

Armbruster T, Gnos E, Dixon R, Gutzmer J, Hejny C, Döbelin N, Medenbach O: Min.Mag.(2002) 66, 137-150

South Africa - Northern Cape Province - Kuruman District - Kalahari manganese field - Wessels- and N'Chwaning II mine

- Switzerland: NMBE-Bern - Type: T: 35474

Manjiroite

Nambu M, Tanida K: Journ.Jap.Ass.Min.Petr.Econ.Geol.(1967) 58, 39-54

Japan - Honshu - Iwate Pref. - Kohare mine

- Japan: NSM-Tokyo - Type:: M-15748 (1 sample)

Mannardite

Scott JD, Peatfield GR: Geol.Ass.Canada, Progr.Abstr.(1984) 9, 104

Canada - British Columbia - Kechina River - Sifton Pass (N of) - Rough claims

- United Kingdom: NHM-London - Type: CT: BM 1983,68/6
- USA: NMNH-Washington - Type: CT: 150275, 150337, 162157
- Canada: ROM-Toronto - Type: CT: M40292/3 (a few mg)

Compare same authors in: Can.Min.(1986) 24, 55-66

Mansfieldite

Allen VT and Fahey JJ: Progr. and Abstr.Min.Soc.Amer.,26th Ann. Meeting (1945) p. 7

USA - Oregon - Lane County - Hobart Butte

- France: MHN-Paris - Type: T: 154268 (part of NMNH 106565)
- USA: NMNH-Washington - Type: T: 106565 (don. U.S.Geol.Surv., 1953) and 117722 (don. U.S.Geol.Surv., 1965)

Mantiennite

Fransolet AM, Oustrière P, Fontan F, Pillard F: Bull.Min.(1984) 107, 737-744

Cameroon - Andamaoua - Ngaoundéré (18km NW of) - Anloua

- France: ENSM-Paris - Type: CT:

Mapimite

Cesbron F, Ginderow D, Romero M, Williams SA: IMA 12th Gen. Meeting, coll. Abstr.(1980) p. 229

Mexico - Durango - Municipio de Mapimi - Mapimi - La Ojuela mine

- France: ENSM-Paris - Type: CT:

Margaritasite

Wenrich KJ, Modreski PJ, Zielinski RA, Seeley JL: Amer.Min.(1982) 67, 1273-1289

Mexico - Chihuahua - Municipio de Chihuahua - Chihuahua (near), Peña Blanca district - Margarita's deposit

- USA: NMNH-Washington - Type: HT: 149090 (don. U.S.Geol.Surv., thru KJ Wenrich, 1982)

Maricite

Sturman BD, Mandarino JA, Corlett MI: *Can.Min.*(1977) 15, 396-398

Canada - Yukon Territory - Big Fish River/Blow River area - Big Fish River

- USA: NMNH-Washington - Type: HT (part of): 145745
- Canada: ROM-Toronto - Type: HT (part of): M34241 (a few g)

Maricopaite

Peacor DR, Dunn PJ, Simmons WB, Wicks FJ, Raudsepp M: *Can.Min.*(1988) 26, 309-313

USA - Arizona - Maricopa County - Tonapah (near) - Moon Anchor mine

- USA: NMNH-Washington - Type: HT & CT: 163248 and 163247 (don. W Hunt, 1985)

Marokite

Gaudefroy C, Jouravski G, Permingeat F: *Bull.Soc.fr.Min.Crist.*(1963) 86, 359-367

Morocco - Anti Atlas - Tachgagalt Mn-mine

- France: ENSM-Paris - Type: HT: (don. F Permingeat, 1963)
- France: MHN-Paris - Type: T: 165.43 (don. C Gaudefroy)

Marrite

Solly RH: *Nature* (1904) 71, 118 and *Min.Mag.*(1905) 14, 72-82 (p. 76)

Switzerland - Wallis - Binntal - Lenggenbach

- United Kingdom: NHM-London - Type: T: BM 97130 (1 sample)

BJ Wuensch and W Nowacki in: Zeitschr.Krist.(1970) 131, 356-375 (structure), (1967) 125, 458-488 (structure)

Marsturite

Peacor DR, Dunn PJ, Sturman BD: *Amer.Min.*(1978) 63, 1187-1189

USA - New Jersey - Sussex County - Franklin

- USA: NMNH-Washington - Type: HT: 127923 (found in the NMNH-coll.)

Marthozite

Cesbron F, Oosterbosch R, Pierrot R: *Bull.Soc.fr.Min.Crist.*(1969) 92, 278-283

Zaire - Shaba - Kolwezi - Musonoi open pit

- France: MHN-Paris - Type: T:
- France: U-Paris - Type: HT: 12.252

Maslovite

Kovalenker VA, Begizov VD, Evstigneeva TL, Troneva NV, Ryabkin VA: *Geol.Rudn.Mestorozhd.*(1979) 21, 94-104

Russia - Krasnoyarskiy Kray - Noril'sk - Talnakh - Oktyabr deposit

- Russia: FMM-Moscow - Type::
- Russia: IGEM-Moscow - Type::

Masutomilite

Harada K, Nagashima K, Kanisawa S: *Mineral.Journ.Japan* (1976) 8, 95-109

Japan - Honshu - Shiga Pref. - Otsu - Tanakiyama

- Japan: ESKU-Kanazawa - Type: T:
- Japan: IMTU-Sendai - Type: T:

Second TL = Japan, Honshu, Gifu Pref., Tawara

Masuyite

Vaes JF: Bull.Soc.belge Géol.(1947) 70, B 212-226

Zaire - *Shaba - Likasi - Shinkolobwe uranium mine*

- Belgium: MRAC-KMMA-Tervuren - Type: NT:

Chemical analyses of more than 30 specimens belonging to numerous collections show the presence of Pb in stoichiometric proportions. Pb was omitted in the original description (Deliens M: personal communication)

Mathewrogersite

Keller P, Dunn PJ: Neues Jahrb.Min.,Mh.(1986) 203-208

Namibia - *Otavi - Tsumeb*

- Germany: IMKU-Stuttgart - Type: CT: NM 15 (few grains)
- USA: NMNH-Washington - Type: CT:

Mathiasite

Haggerty SE, Smyth JR, Erlank AJ, Rickard RS, Danchin RV: Amer.Min.(1983) 68, 494-505

South Africa - *Orange Free State - Jagersfontein - Jagersfontein kimberlite pipe*

- USA: NMNH-Washington - Type: T:
- South Africa: SANM-Cape Town - Type: T:

Matlockite

Greg RP: Phil.Mag., ser. 4 (1851) 2, 120

Great Britain - *England - Derbyshire - Matlock - Cromford*

- United Kingdom: NHM-London - Type: HT: BM 89055 (1 sample)

Mattagamite

Thorpe RI, Harris DC: Can.Min.(1973) 12, 55-60

Canada - *Quebec - Abitibi County - Galinée Township - Mattagami Lake Mines Ltd.*

- Canada: GSC-Ottawa - Type: CT: 12151/3
- Canada: ROM-Toronto - Type: CT: M31956 (polished section, a few mg)

Matteuccite

Carobbi G and Cipriani C: Atti Accad.Lincei.Rend.Cl.Sci.fis.mat.nat., Roma (1952) ser.8, 12, 23-29

Italia - *Campania - Napoli - Vesuvio, Monte Somma*

- Italy: MMUFI-Firenze - Type: HT: 1970/I

Lavas from 1933

Mattheddleite

Livingstone A, Ryback G, Fejer EE, Stanley CJ: Scott.J.Geol.(1987) 23, 1-8

Great Britain - *Scotland - Larnakshire - Strathclyde region - Leadhills area*

- United Kingdom: NHM-London - Type: CT: BM 1985,178
- United Kingdom: RMS-Edinburgh - Type: CT: RMS GY 721.34

Matulaite

Oswald DR: Rocks&Minerals (1978) 53, 115

USA - *Pennsylvania - Northum County - Hellertown - Bachmann iron mine*

- United Kingdom: NHM-London - Type: T: BM 1984,138
- USA: NMNH-Washington - Type: T: 137020 (don. PB Moore, 1977)

Maufite

Keep FE: Trans.Geol.Soc. South Africa (1930) 32, 103

Zimbabwe - *Lomagundi District - Umvukwe - Ruorka Ranch*

- USA: NMNH-Washington - Type: T: 096398 (don. FE Keep, 1930)

Mawbyite

Pring A, McBriar EM, Birch WD: Amer.Min.(1989) 74, 1377-1381

Australia - New South Wales - Broken Hill - Kintore opencut (S31 58', E141 29')

- Australia: MOV-Melbourne - Type: CT: M39178
- Australia: SAM-Adelaide - Type: CT: G16066

Mawsonite

Markham NL and Lawrence LJ: Amer.Min.(1965) 50, 900-908

Australia - New South Wales - Tingha - Royal George mine (S29 55', E151 13')

- United Kingdom: NHM-London - Type: CT: BM 1965,347 (Tasmania)
- Australia: TAM-Sydney - Type: CT: D48487 (one polished mount, NSW)

Second TL in Tasmania, Montagu Co., Mt. Lyell, North Lyell mine (S42 05', E145 35')

Maxwellite

Foord EE, Hlava PF, Fitzpatrick JJ, Maxwell CH: Paper presented at the 8th annual New Mexico mineral symposium (1987)

USA - New Mexico - Catron County - Squaw Creek (N side of) - Tin prospect (N33 28'50", W107 57'30")

- USA: NMNH-Washington - Type: T: 166613 (don. U.S.Geol.Surv., EE Foord, 1989)

Compare EE Foord, PF Hlava, JJ Fitzpatrick, RC Erd, RW Hinton in: Neues Jahrb.Min.,Mh.(1991) 363-384

Mayenite

Hentschel G: Neues Jahrb.Min.,Mh.(1964) 22-29

Germany - Rheinland-Pfalz - Eifel - Laacher lake volcano area, Mayen (2km N of) - Bellerberg

- Germany: MMUKö-Köln - Type: HT: M5026,86 (620g, with type brownmillerite)
- USA: NMNH-Washington - Type: T: 120045A0

Mayingite

Yu Zuxiang: Acta Mineral. Sinica (1995) 15/1, 5-8

China - Hebei Province - Beijing (230 km NNE of) - Maying (near)

- China: NMG-Beijing - Type: T:

Mazzite

Galli E, Passaglia E, Pongiluppi D, Rinaldi R: Contr.Mineral.Petr.(1974) 45, 99-105

France - Rhône-Alpes - Loire dép. - Montbrison - Mont Seminol

- Italy: IMUMo-Modena - Type: T: (0.5g)
- USA: NMNH-Washington - Type: T: 128520

Mbobomkulite

Martini JEJ: Ann.Geol.Surv.S.Africa,(1980) 14, n2, 1-110

South Africa - Eastern Transvaal - Nelspruit District - Mbobo Mkulu cave

- South Africa: GSM-Pretoria - Type: HT: (few g)

Mcallisterite

Schaller WT, Vlisidis AC, Mrose ME: Amer.Min.(1965) 50, 629-640

USA - California - Inyo County - Death Valley, 20 Mule Team Canyon (head of) - Mott colemanite prospect

- France: ENSM-Paris - Type: T: (don. Eadie)
- USA: NMNH-Washington - Type: T: 134613 (don. U.S.Geol.Surv., ME Mrose, 1975)

McAlpineite

Roberts AC, Ercit TS, Criddle AJ, Jones GC, Williams RS, Cureton II FF, Jensen MC: *Min.Mag.*(1994), 58, 417-424

USA - California - Toulumne County - McAlpine mine (N37 45'58", W120 15'09")

- Canada: GSC-Ottawa - Type: T: NMC 67163 (2 specimens)
- United Kingdom: NHM-London - Type: T: BM 1992,374 (polished section)

a second occurrence: USA, Utah, Juab County, West Tintic district, Centennial Eureka mine, N39 56'38" W112 07'18"

Mcauslanite

Richardson JM, Roberts AC, Grice JD, Ramik RA: *Can.Min.*(1988) 26, 917-921

Canada - Nova Scotia - Yarmouth County - East Kemptville

- Canada: CUO-Ottawa - Type: CT: CU 4427 (small grain for x-ray)
- Canada: GSC-Ottawa - Type: CT: NMC 64806 (hand size piece of matrix)
- USA: NMNH-Washington - Type: HT: 165484

Mcbirneyite

Hughes JM, Christian BS, Finger LW, Malinconico LL: *J.Volc.Geotherm.Res.*(1987) 33, 183-190

El Salvador - Izalco Volcano - Fumaroles (fumarolic sublimate)

- USA: NMNH-Washington - Type: ??: (not mentioned in the NMNH-Catalogue)

Mconnellite

Milton C, Appleman DE, Chao ECT, Cuttita F, Dinnin JL, Dwornik EJ, Mall M, Ingram BL, Rose HJ:

Geol.Soc.Amer.,Progr. Ann. Meeting (1967) p. 151

Guyana - Mazaruni district - Robello ridge - Merume river (gravels of the)

- United Kingdom: NHM-London - Type: CT: BM 1979,136

Mccrillisite

Foord EE, Brownfield ME, Lichte FE, Davis AM, Sutley SJ: *Can.Min.*(1994) 32, 839-842

USA - Maine - Oxford county - South Paris - Mount Mica pegmatite (N44 14', W70 33')

- USA: NMNH-Washington - Type: HT: 170853 (cit. by Foord et al., 1994)

McGillite

Donnay G, Betourney M, Hamil G: *Can.Min.*(1980) 18, 31-36

Canada - British Columbia - Kimberley, raise 42135 - Sullivan mine

- Canada: McGU-Montreal - Type: T: RM NS3100 (one specimen)
- Canada: UBC-Vancouver - Type: T: S-75-21123 (this is the original material labeled "friedelite" studied by RM Thompson)

RM = Redpath Museum

Mcgovernite

Palache C and Bauer LH: *Amer.Min.*(1927) 12, 373-374

USA - New Jersey - Sussex County - Ogdensburg - Sterling Hill mine

- USA: HMM-Cambridge - Type: CT: 113888, 134562

McGuinnessite

Erd RC, Cesbron FP, Goff FE, Clark JR: *Min.Rec.*(1981) 12, 143-147

USA - California - Mendocino County - Ukiah (15 mls SE of) - Red Mountain (locality no. 2)

- USA: NMNH-Washington - Type: T: 147169 (don. U.S.Geol.Surv., RC Erd, 1980)
- France: U-Paris - Type: T:

McKelveyite-(Y)

Milton C, Ingram B, Clark JR, Dwornik EJ: Amer.Min.(1965) 50, 593-612

USA - Wyoming - Uintah County - Green River Formation

- United Kingdom: NHM-London - Type: CT: BM 1971,138
- USA: NMNH-Washington - Type: T: 121683 (don. U.S.Geol.Surv., thru C Milton; on same specimen with type Ewaldite)

Mckinstryite

Skinner BJ, Jambor JL, Ross M: Econ.Geol.(1966) 61, 1383-1387

Canada - Ontario - Timiskaming District - Coleman Township, Lot 4, Con. IV - Foster mine

- Canada: GSC-Ottawa - Type: HT: 12136 (1g)
- USA: HMM-Cambridge - HT (part of) - Type:: 108804
- USA: NMNH-Washington - Type: T: 120056

Mcnearite

Sarp H, Deferne J, Liebich BW: Schweiz.Min.Petr.Mitt.(1981) 61, 1-6

France - Alsace - Haut-Rhin dép. - Ste-Marie-aux-Mines - Gabe Gottes / St-Jacques vein

- Switzerland: MHN-Genève - Type: HT: 436/40 (286g)

Medaite

Gramaccioli CM, Griffin WL, Mottana A: Amer.Min.(1982) 67, 85-89

Italia - Liguria - Genova - Val Graveglia (NE of Lavagna) - Molinello mine

- Italy: MCSN-Milano - Type: CT: M25562 (don. CM Gramaccioli, 1985)
- Norway: MGMU-Oslo - Type: CT:

On the same specimens with Tiragalloite

Medaite

Gramaccioli CM, Griffin WL, Mottana A: Amer.Min.(1982) 67, 85-89

Italia - Liguria - Genova - Val Graveglia (NE of Lavagna) - Molinello mine

- Italy: MMURo-Roma - Type: CT: 24314

On the same specimens with Tiragalloite

Medenbachite

Krause W, Bernhardt H-J, Gebert W, Graetsch H, Belendorff K, Petitjean K: Amer.Min.(1996) 81, 505-512

Germany - Hessen - Odenwald - Bensheim, near - Reichenbach (N49 42'49", E8 41'00")

- Germany: RUB-Bochum - Type: CT:

From a silicified barite vein.

Megacyclite

Khomyakov AP, Nchelyustov GN, Yamnova NA, Pushcharovskii DYu: ZVMO,(1993) 122, n1, 125-128

Russia - Kola Peninsula - Khibiny massif - Rasvumchorr Mt.

- Russia: FMM-Moscow - Type: T:

In foidite

Meionite

Haüy RJ: Traite Min.(1801) 1st ed., 2, 422

Italia - Campania - Napoli - Vesuvio, Monte Somma

- France: MHN-Paris - Type: CT (cryst.): H3774 (coll. RJ Haüy)

Meixnerite

Koritnig S, Süsse P: *Tschermaks Min.Petr.Mitt.*(1975) 22, 79-87

Austria - Niederösterreich - Ispertal - Ybbs-Persenbeug, Nöchling (serpentine-quarry)

- USA: HMM-Cambridge - Type: HT (part of): 117008 (don. W. Paar, no. 2935)
- Germany: MSU-Göttingen - Type: HT: (many xx, 0.2-0.3mm)
- United Kingdom: NHM-London - Type: CT: BM 1980,687

Melanocerite-(Ce)

Brogger WC: *Geologiska Föreningen i Stockholm Förhandlingar*,(1887) 9, 247-274

Norway - Vestfold - Larvik - Kjeoy island [Langesundfjord]

- Sweden: SMNH-Stockholm - Type: HT: 531071

Melanostibite

Igelström LJ: *Zeits.Kryst.Min.*(1893) 21, 246-248

Sweden - Örebro - Grythyttan - Hällefors - Sjögruvan

- USA: HMM-Cambridge - Type: HT (part of): 131609 (don. M Feinglos 1990)
- United Kingdom: NHM-London - Type: CT: BM 83307

Melanostibite

Igelström LJ: *Zeits.Kryst.Min.*(1893) 21, 246-248

Sweden - Örebro - Grythyttan - Hällefors - Sjögruvan

- USA: NMNH-Washington - Type: T: R05766

Melanovanadite

Lindgren W, Hamilton LF, Palache C: *Proc.Nat.Acad.Sci.*(1921) 7(8), 249-251

Peru - Junin Dep. - Cerro de Pasco (near) - Minasragra (in V-ores)

- USA: HMM Cambridge - Type: T: 90452
- USA: NMNH-Washington - Type: T: 160076 (don. U.S.Geol.Surv., thru ME Mrose, 1983)

Meliphanite

Scheerer T: *Journ.prakt.Chemie*,(1852) 55,449-451

Norway - Vestfold - "Fredriksvärn", presently Stavern

- Germany: BAF-Freiberg - Type: T: 26856

Melkovite

Egorov BL, Dara AD, Senderova VM: *ZVMO*,(1969) 98, 207-212

Kazakhstan - Shunak Mts

- USA: NMNH-Washington - Type: CT: 160327

Melonjosephite

Fransolet AM: *Bull.Soc.fr.Min.Crist.*(1973) 96, 135-142

Morocco - Anti Atlas - Zenaga plain - Angarf Sud pegmatite

- France: ENSM-Paris - Type: CT: (don. AM Fransolet, 1973)
- USA: NMNH-Washington - Type: CT: 128338 (don. AM Fransolet, 1973)
- Belgium: ULG-Liège - Type: HT: 18.587

Mendozavilite

Williams SA: *Bol. de Mineral.*(1986) 2, 13-19

Mexico - Sonora - Municipio de Cumpas - Cumpas (SW of), Cumobabi - San Judas mine (Cumobabi Mo-pegmatite deposit)

- United Kingdom: NHM-London - Type: CT: BM 1984,475

Mercallite

Carobbi G: Atti R. Accad.Lincei.Rend.Cl.Sci.fis.mat.nat. Roma (1935) ser.6, 21, 385-393

Italia - Campania - Napoli - Vesuvio, Monte Somma

- Italy: MMUFI-Firenze - Type: HT: 1976/I

Mereheadite

Welch MD, Criddle AJ, Symes RF: Min.Mag.(1998) 62, 387-393

Great Britain - England - Somerset - Cranemore - Merehead quarry (in veins of Mn and Fe minerals) (N51 12', W2 26')

- United Kingdom: NHM-London - Type: HT: BM 1965,285 and polished mount E.1175

From manganese-rich pods along 'Vein 2' and from loose blocks believed to have been derived from 'Vein 1'.

Mereiterite

Giester G, Rieck B: Eur.J.Min.(1995) 7, 559-566

Greece - Attica - Lavrion mining district, Agios Konstandinos - Hilarion adit

- Austria: IMK-Wien - Type: T: 6C/18-035#1
- USA: NMNH-Washington - Type: HT: 170971

Merlinoite

Passaglia E, Pongiluppi D, Rinaldi R: Neues Jahrb.Min.,Mh.(1977) 355-364

Italia - Lazio - Rieti - Santa Rufina - Cupaello (quarry at)

- Italy: IMUMo-Modena - Type: CT: ~1 g
- Italy: MCSN-Milano - Type: HT & T: 18078 (don. G Cingolani, 1976), M30350 (don. G Cingolani, 1976) and M23709
- USA: NMNH-Washington - Type: T: 137087 (don. E Passaglia, 1977)

Mertieite-I

Desborough GA, Finney JJ, Leonard BF: Amer.Min.(1973) 58, 1-10

USA - Alaska - Hagemeister Island Quad. - Goodnews Bay - Fox Gulch

- USA: NMNH-Washington - Type: T: 132499 (don. U.S.Geol.Surv., thru GA Desborough, 1974)

Merwinite

Larsen ES and Foshag WF: Amer.Min.(1921) 6, 143-148

USA - California - Riverside County - Riverside (5 mls NW of), Crestmore - Wet Weather quarry

- United Kingdom: NHM-London - Type: T: BM 1923,1026 (6 samples)
- USA: NMNH-Washington - Type: T: 094030 (don. WF Foshag, 1920)

Metaankoleite

Gallagher MV and Atkin D: Bull.Geol.Surv.Gt.Britain (1966) 25, 49-54

Uganda - Ankole - Mungenyi main pegmatite

- United Kingdom: NHM-London - Type: CT: BM 1966,203/4

Metacalcioranoite

Rogova VP, Belova LN, Kiziyarov GP, Kuznetov NN: ZVMO (1973) 102/1, 75-81

Russia - Chita Oblast - Transbaikalia (E) - Krasnokamensk (SE of) - Strel'tsovskoye ore field, Oktyabr'skoye Mo-U-deposit

- Russia: FMM-Moscow - Type: T: 76549-50

Metaheinrichite

Gross EB, Coray AS, Mitchell RS, Walenta K: Amer.Min.(1958) 43, 1134-1143

USA - Oregon - Lakeview County - White King mine

- USA: NMNH-Washington - Type: T: 115884 (don. U.S.Geol.Surv., 1963)

Metahewettite

Hillebrand WF, Merwin HE, Wright FE: Proc.Amer.Phil.Soc.Philad.(1914) 53, 31-54

USA - Colorado - Montrose County - Uravan district, Paradox Valley (SW wall) - Jo Dandy mine

- USA: HMM-Cambridge - Type: HT (part of): 134571 (part of NMNH no. 093306?)
- USA: NMNH-Washington - Type: T: 093305/6 (don. WF Hillebrand, 1917)

USA - Utah - Garfield County - Henry Mountains and Grant County - Thompsons District

- USA: NMNH-Washington - Type: T: 093307 (don. WF Hillebrand, 1917, Henry Mts.) and 093308 (don. WF Hillebrand, 1917, Yellow Cat Creek)

Metaköttigite

Schmetzer K, Amthauer G, Stähle V, Medenbach O: Neues Jahrb.Min.,Mh.(1982) 506-518

Mexico - Durango - Municipio de Mapimi - Mapimi - La Ojuela mine

- Germany: MPI-Heidelberg - Type: HT: 100733 (1 sample)
- USA: NMNH-Washington - Type: T: 160541 (don. K Schmetzer, 1984)

Metalodevite

Agrinier H, Chantret F, Geffroy J, Hery B, Bachel B, Vachey H: Bull.Soc.fr.Min.Crist.(1972) 95, 360-364

France - Languedoc-Roussillon - Hérault dép. - St Martin du Bose - Lodève U-deposit

- France: ENSM-Paris - Type: CT:
- France: MHN-Paris - Type: T:
- USA: NMNH-Washington - Type: T: 165403

Metamunirite

Evans HT: Min.Mag.(1991) 55, 509-513

USA - Colorado - San Miguel County - Dermo-Snyder mine (near) - Burro mine

- USA: NMNH-Washington - Type: HT:

Metarossite

Foshag WF and Hess FL: Proc.U.S.Nat.Museum (1927) 72, 1-12

USA - Colorado - San Miguel County - Dolores River, Stevens Cabin (8 mls NW of) - O'Neill's claim

- USA: NMNH-Washington - Type: T: 095331 (don. U.S.Geol.Surv., 1925) and R05707 (Roebbling coll., 1927 - on same specimens with and filed under rossite)

Metastibnite

Becker GF: Hunt T, Proceedings Americ.Philosoph.Soc.(1888) 25, 170-180

USA - Nevada - Washoe County - Steamboat Springs

- USA: NMNH-Washington - Type: T: 079185 (don. U.S.Geol.Surv., WH Melville, 1891)

Metastudtite

Deliens M, Piret P: Amer.Min.(1983) 68, 456-458

Zaire - Shaba - Likasi - Shinkolobwe uranium mine

- Belgium: MRAC KMMA Tervuren - Type: HT: RGM 13.748 (a few mg)

Metaswitzerite

White JS, Leavens PB, Zanazzi PF: Amer.Min.(1986) 71, 1221-1223

USA - North Carolina - Cleveland County - Kings Mountains (near) - Foote Mineral Company Spodumene mine

- United Kingdom: NHM-London - Type: CT: BM 1967,407
- USA: NMNH-Washington - Type: T: 119777 (don. JW Eaker, 1966; originally described as Switzerite) and 120230 (don. Mrs. FO Drummond, 1976)

Metavanmeersscheite

Piret P, Deliens M: Bull.Minéral.(1982) 105, 125-128

Zaire - Kivu - Mwenga - Kobokobo open pit

- Belgium: MRAC-KMMA-Tervuren - Type: HT: RGM 13.749 (a few mg)

Metavanuralite

Cesbron F: Bull.Soc.fr.Min.Crist.(1970) 93, 242-248

Gabon - Dept. Haut-Ogooué - Franceville - Mounana (U- and V-deposit)

- France: ENSM-Paris - Type: HT: (don. F Cesbron, 1972)
- France: MHN-Paris - Type: T: (no nr.)
- USA: NMNH-Washington - Type: T: 165404, R16486 (don./redefined by P Bariand)

Metavariscite

Larsen ES and Schaller WT: Amer.Min.(1925) 10, 23-28

USA - Utah - Box Elder County - Lucin (NW of), Utahlite Hill - Edison Bird mine

- France: MHN-Paris - Type: T: 178158 (part of NMNH 087484)
- United Kingdom: NHM-London - Type: CT: BM 1912,618
- USA: NMNH-Washington - Type: T: 086993 and 087484 (don. U.S.Geol.Surv., 1911 and 1915)

Metavauxite

Gordon SG: Amer.Min.(1927) 12, p. 264

Bolivia - Potosí Dep. - Colquechaca (NW of) - Llallagua mine

- United Kingdom: NHM-London - Type: CT: BM 1928,335
- USA: NMNH-Washington - Type: HT: 136009 (don. Philadelphia Acad.Sci., thru RW Middleton, 1976 = type from Gordon)

Metavivianite

Ritz C, Essene EJ, Peacor DR: Amer.Min.(1974) 59, 896-899

USA - South Dakota - Pennington County - Glendale (1km S of) - Big Chief pegmatite

- France: ENSM-Paris - Type: CT: (part of NMNH 127100)
- USA: NMNH-Washington - Type: CT: 127100 (don. DR Peacor, 1973)

Metavoltine

Blaas J: Sitzungsber.k.k.Akad.Wiss. Wien (1883) 87, 155

Iran - Madeni Zakh (near)

- France: MHN-Paris - Type: HT: 100.154 (don. J Blaas)

Metazellerite

Coleman RG, Ross DR, Meyrowitz R: Amer.Min.(1966) 51, 1567-1578

USA - Wyoming - Fremont County - Gas Hill deposit - Lucky MC mine

- USA: NMNH-Washington - Type: T: 112827 (don. U.S.Geol.Surv., 1957; on the same specimen with and filed under type Zellerite)

Metazeunerite

Fersman AE, Shubnikova OM: Geochemist's and Mineralogist's Compendium,(1937) p. 173

Germany - Sachsen - Erzgebirge - Schneeberg - Weisser Hirsch mine

- Germany: BAF-Freiberg - Type: T: 21730 and 21736 (coll. Weisbach 1871)
- Renaming the zeunerite from A. Weisbach in: Neues Jahrb.Min.(1872) p. 207.

Meyerhofferite

Schaller WT: Journ. Washington Acad.Sci.(1914) 4, 354-356

USA - California - Inyo County - Death Valley - Black Mountains, Mount Blanco

- USA: HMM-Cambridge - Type: T: 134572 (don. WT Schaller)
- USA: NMNH-Washington - Type: T: 087237 (don. U.S.Geol.Surv., 1914; on same specimen with and filed under type inyoite) and 093640 (don. U.S.Geol.Surv., 1919)

Meymacite

Pierrot R and Van Tassel R: Bull.Soc.fr.Min.Crist.(1965) 88, 613-617

Zaire - Kivu - Nzombe

- France: ENSM Paris - Type: CT: (4 specimens, two of them don. by A Carnot)

Reinstated name for the "meymacite" described by A Carnot in: C.R.Acad.Sci. Paris (1874) 79, 639, which was in fact not an amorphous $WO_3 \cdot 2H_2O$ (as the mineral of Pierrot and van Tassel) but a ferritungstite.

Mgriite

Dymkov YuM, Loseva TI, Zavyalov EN, Ryzhov BI, Bochek LI: ZVMO,(1982) 111, 215-219

Germany - Sachsen - Erzgebirge - Schlema-Hartenstein mining area

- Russia: FMM-Moscow - Type: T:

Miassite

Britvin SN, Rudashevsky NS, Bogdanova AN, Shcherbachev DK: ZVMO,(2001) 130/2, 41-45

Russia - Ural-S - Chelyabinsk Oblast - Miass river (upper part) - in a small unnamed placer deposit

- Russia: UDG-St.Petersburg - Type: T:

Micheelsenite

McDonald AM, Petersen OV, Gault RA, Johnsen O, Niedermayr G, Brandstätter F, Giester G: Neues Jahrb.Min.,Mh.(2001) 337-351

Canada - Quebec - Rouville County - Mont Saint-Hilaire - Poudrette quarry

- Canada: CMN-Ottawa - Type: CT: CMNMC 83049/50

Microlite

Shepard CU: Amer.J.Sci.(1835) 27, 361-362

USA - Massachusetts - Hampshire County - Chesterfield

- USA: NMNH-Washington - Type: T: 128730 (CU Shepard coll., 1929)

Microsommitite

Scacchi A: Atti R. Accad.Sci.fis.mat., Napoli (1872) 5, 13

Italia - Campania - Napoli - Vesuvio, Monte Somma

- France: MHN-Paris - Type: HT: 97.397 (part of HT from A Scacchi)

Miersite

Spencer LJ: Nature (1896) 57, 574

Australia - New South Wales - Broken Hill - Kintore mine (S31 58', E141 29')

- France: MHN-Paris - Type: T: 112.405 (received from LJ Spencer)
- United Kingdom: NHM-London - Type: HT: BM 83822

Miharaite

Sugaki A, Shima H, Kitakaze A: Amer.Min.(1980) 65, 784-788

Japan - Honshu - Okayama Pref. - Yoshii-cho, Shitsuki-gun - Mihara mine, Honpi deposit

- Japan: IMTU-Sendai - Type: T:
- Japan: YU-Yamaguchi - Type: T:

Mikasaite

Miura H, Niida K, Hirama T: *Min.Mag.*(1994) 58, 649-653
Japan - Hokkaido - Mikasa City - Ikushunbetsu (N43 16', E141 58')
• Japan: HU-Sapporo - Type: T:

Milarite

Kenngott A: *Neues Jahrb.Min.*(1870) 80
Switzerland - Graubünden - Tavetsch - Val Giuv (formerly Giuf)
• Switzerland: ETH-Zürich - Type: HT: Wi8976 (3g)
first supposed to be Val Milar

Mimetite

Beudant FS: *Traité élément.Minéral.*, 2nd ed.(1832) vol. 2, p. 594
Germany - Sachsen - Erzgebirge - Johanngeorgenstadt - Neujahrsmaassen and Treue Freundschaft mines
• Germany: BAF-Freiberg - Type: T: 20255 (??)
TL is related to Wöhler, which made 1825 the first analysis.

Minamiite

Ossaka J, Hirabayashi J, Okada K, Kobayashi R, Hayashi T: *Amer.Min.*(1982) 67, 114-119
Japan - Honshu - Gumma Pref. - Mt. Shirane (western foot hills) - Okumanza
• Japan: NSM-Tokyo - Type: T:

Minasgeraisite-(Y)

Foord EE, Gaines RV, Crock JG, Simmons WB, Barbosa CP: *Amer.Min.*(1986) 71, 603-607
Brazil - Minas Gerais - Jacuaracu - Timoteo
• USA: NMNH-Washington - Type: CT: 164209 (don. RV Gaines, 1986)

Minasragrite

Schaller WT: *J.Wash.Acad.Sci.*(1915) 5, p.7
Peru - Junin Dep. - Cerro de Pasco (near) - Minasragra (in V-ores)
• USA: NMNH-Washington - Type: T: 087515 (don. EW Wilson, 1915)

Mindigite (Discr. name)

De Leenheer L: *Natuurwet.Tijdschr.Gent.*(1934) 16, 237-241
Zaire - Shaba - Likasi - Mindigi cobalt deposit
• Belgium: MRAC-KMMA-Tervuren - Type: CT: RGM 10.817
Discredited name. Syn. of heterogenite-3R

Mineevite-(Y)

Khomyakov AP, Polezhaeva LI, Yamnova NA, Pushcharovskii DYu: *ZVMO*,(1992) 121, n6, 138-143
Russia - Kola Peninsula - Lovozero massif - Alluaiv Mt.
• Russia: FMM-Moscow - Type: T:
In foidite-pegmatite

Minehillite

Dunn PJ, Peacor DR, Leavens PB, Wicks FJ: *Amer.Min.*(1984) 69, 1150-1155
USA - New Jersey - Sussex County - Franklin
• USA: NMNH-Washington - Type: CT/T: C06412 (Canfield coll., 1959) and 150332 (don. J Cianciulli, 1983)

Minguzzite

Garavelli CL: *Atti Accad.Lincei.Rend.Cl.Sci.fis.mat.nat.*, Roma (1955) ser.8, 18, 392-402
Italia - Toscana - Livorno - Isola d'Elba - Capo Calamita (ca. 135m above sea level in limonites)
• Italy: MMUFI-Firenze - Type: HT: 1971/I

Minrecordite

Garavelli DG, Vurro F, Fioravanti GC: *Min.Rec.*(1982) 13, 131-136

Namibia - Otavi - Tsumeb

- Italy: MMUBa-Bari - Type: HT(?):

Minyulite

Simpson ES and Le Mesurier CR: *Journ.Roy.Soc.West. Australia* (1932-33) 19, 13-16

Australia - Western Australia (SW) - Dandaragan - Minyulo Well (S30 42', E115 42')

- United Kingdom: NHM-London - Type: CT: BM 1933,84
- USA: NMNH-Washington - Type: T: 096769
- Australia: WAM-Perth - Type: HT/CT: M68.1991 (one specimen on matrix, formerly CG1110), S2034 (2g)

Misenite

Scacchi A: *Mem.Geol. Campania, Napoli* (1849) 98

Italia - Campania - Napoli - Campi Flegrei (W of Napoli) - Capo Miseno (in a hot tufa cavern)

- France: MHN-Paris - Type: MT: 100781 (don A. Scacchi, conservation in a sealed glass by A. Lacroix)

Mitryaevaite

Ankinovich EA, Bekenova GK, Shabanova TA, Zazubina IS, Sandomirskaya SM: *Can.Min.*(1997) 35, 1415-1419

Kazakhstan - Ulytau-Karatau-Naryn Belt - Found in outcrops of black shales of the vanadium-bearing Kurumsak-Formation

- Kazakhstan: GMIGS-Almaty - Type: T: GM IGS 24/1270

Mitscherlichite

Zambonini F and Carobbi G: *Ann.R.Osserv.Vesuv.*(1925) III, 2, 7

Italia - Campania - Napoli - Vesuvio, Monte Somma

- Italy: MMUFI-Firenze - Type: HT: 225/I (few g)

Mizzonite

Scacchi A: *Annal.Phys.Chem.*; Poggendorf (1852) Erg.3, 478

Italia - Campania - Napoli - Vesuvio, Monte Somma

- France: MHN-Paris - Type: MT: 41.167 (A. Scacchi)

In ejected masses, discredited name, a variety of the Scapolite group

Moctezumite

Gainer RV: *Amer.Min.*(1965) 50, 1158-1163

Mexico - Sonora - Municipio de Moctezuma - Moctezuma - Moctezuma mine (Te-Au deposit)

- France: MHN-Paris - Type: T: 175.84 (don. RV Gaines)
- USA: NMNH-Washington - Type: T: 128392, 164345, 164364 (don. RV Gaines, 1974 and 1987)

Modderite

Cooper RA: *Chem.Metall.Min.Soc.S.Africa*,(1924) 24, 265

South Africa - Transvaal (central) - Witwatersrand deposit - Modderfontein mine

- USA: NMNH-Washington - Type: T:

Moeloite

Orlandi P, Meerschaut A, Palvadeau P, Merlino S: *Eur.J.Min.*(2002) 14, 599-606

Italia - Tuscany - Lucca - Pisa (35km N of), Seravezza (near) - Ceragiola marble quarry

- Italy: MSNU-Pisa - Type: T:

Moganite

Flörke OW, Flörke U, Giese U: Neues Jahrb.Min.,Abh.(1984) 149, 325-336

Spain - Canaria Islands - Gran Canaria - Mogan formation

- Germany: Bochum or Darmstadt ? - Type:

In ignimbrite flows - microcrist. fillings of cavities

Mohrite

Garavelli CL: Atti Accad.Lincei.Rend.Cl.Sci.fis.mat.nat., Roma (1964) ser.8, 36, 524-533

Italia - Toscana - Grosseto - Val di Cecina - Travale

- Italy: MMUFI-Firenze - Type: HT: 16817/G (1 sample, few g)

Molybdenite-3R

Trail RJ: Can.Min.(1963) 7, 524-526

Canada - Northwest Territories - Mackenzie District - Yellowknife - Con Mine

- Canada: GSC-Ottawa - Type: HT: 12112 (sev. g)

Molybdoformacite

Medenbach O, Abraham K, Gebert W: Neues Jahrb.Min.,Mh.(1983) 289-295

Namibia - Otavi - Tsumeb

- Germany: RUB-Bochum - Type: HT: (approx. 1mg)

Molybdomenite

Bertrand E: Bull.Soc.fr.Min.(1882) 5, 90-92

Argentina - Mendoza - (Cerro de) Cacheuta

- France: MHN-Paris - Type: CT: 98293 (don. E Bertrand)

Monazite-(Ce)

Breithaupt A: Jahrb.Chem.Phys.(Schweigger),(1829) 55, 301

Russia - Ural-Yu - Chelyabinsk - Slatoust (=Zlatoust) - Ilmen Mts.

- Germany: BAF-Freiberg - Type: HT: 19539 (6 samples)

From syenite

Monazite-(Nd)

Graeser S and Schwander H: Schweiz.Min.Petr.Mitt.(1987) 67, 103-113

Italia - Piemonte - Novara - Val Formazza, Vannino - Glogstafel

- Switzerland: MPI-Basel - Type: HT: S86 (=prep. for XRD, REM, IR, el. probe)
- Switzerland: NMBA-Basel - Type: CT: 30803 (8 samples)

Monetite

Shepard CU: Amer.J.Sci., ser. 3 (1882) 23, 400-405

Puerto Rico - Mayaguez (40 mls. S of) - Muna Muna (resp. Mona) Island

- United Kingdom: NHM-London - Type: CT: BM 54779
- USA: NMNH-Washington - Type: T: 123822 and 128715 (CU Shepard coll., 1929)

Mongolite

Vladykin NV, Drits VA, Kovalenko VI, Dorfman MD, Malov VS, Gorshkov AI: ZVMO (1985) 114, 374-377

Mongolia - Gobi - Khan Bogdinskii massif - Dotozhni pegmatite

- Russia: FMM-Moscow - Type: T:

Monimolite

Igelström LJ: Öfvers. KVA handl.(1865) 22, 227
Sweden - Värmland - Filipstad - Filipstad - Harstigen
• Sweden: SMNH-Stockholm - Type: HT: 581758?
Possibly a variety of bindheimite high in Fe and Ca

Monsmedite

Manilici V, Giusca D, Stiopol V: Mem.Geol.Republ.Soc.Romania,(1965) 7, 1-113 (p. 46)
Romania - Maramures - Gutâi Mts. - Baia Sprie, Rotmundi vein
• Romania: MDUB-Bucharest - Type: CT:
• Romania: MMUC-Cluj - Type: CT:

Montbrayite

Peacock MA, Thompson RM: Bull.Geol.Soc.Amer.(1945) 56, 1189 (abstr.)
Canada - Quebec - Abitibi County - Montbray Township, Lots 55 and 56, Range II - Robb-Montbray mine
• USA: HMM-Cambridge - Type: CT: 97681 (don. Univ. of Toronto via M Peacock, 1946)
• Canada: ROM-Toronto - Type: CT: M19883, M37273, M37276, M37282, M37287 (specimens and pol. sect., a total of few g)

Montdorite

Robert JL, Maury RC: Contr.Min.Petr.(1979) 68, 117-123
France - Auvergne - Puy-de-Dôme dép. - La Bourboule, near - Mont Dore
• France: MHN-Paris - Type: T:
• United Kingdom: NHM-London - Type: CT: BM 1983,43
• USA: NMNH-Washington - Type: T: 142228
Discredited mineral species, variety of biotite (manganoan)

Montebrasite

Des Cloizeaux A: C.R.Acad.Sci.Paris,(1872) 73, 306
France - Limousin - Creuse dép. - Soumans - Montebras
• France: MHN-Paris - Type: T:

Monteregianite-(Y)

Chao GY: Can.Min.(1978) 16, 561-565
Canada - Quebec - Rouville County - Mont Saint-Hilaire
• Canada: CMN-Ottawa - Type: HT: 37130 (>100g)
• USA: NMNH-Washington - Type: T: 145548

Montesommaite

Rouse RC, Dunn PJ, Grice JD, Schlenker JL, Higgins JB: Amer.Min.(1990) 75, 1415-1420
Italia - Campania - Napoli - Vesuvio, Monte Somma - Pollena
• USA: NMNH-Washington - Type: HT: 165440

Montgomeryite

Larsen ES: Amer.Min.(1940) 25, 315-326
USA - Utah - Utah County - Fairfield (near) - Clay Canyon
• USA: HMM-Cambridge - Type: T: 95481

Monticellite

Brooke HJ: Phil.Mag.(1831) 10, 265
Italia - Campania - Napoli - Vesuvio, Monte Somma
• Italy: MMUNa-Napoli - Type: T: 22111 (1 sample)

Montmorillonite

Mauduyt: Bull.Soc.Geol.France,(1847) ser.2, 4, 168

France - *Poitou-Charantes - Vienne dép. - Montmorillon*

- France: MHN-Paris - Type: T:

Montroseite

Weeks AD, Cisney EA, Sherwood AM: *Mmer,Min.*(1951) 36, 326-327 (abstract)

USA - *Colorado - Montrose County - Uravan mineral belt, Paradox Valley - Bitter Creek mine*

- USA: NMNH-Washington - Type: T: 106897/8 (don. U.S.Geol.Surv., 1954; one specimen and 9xx mounted on spindels)

Montroyalite

Roberts AC, Sabina AP, Bonardi M, Jambor JL, Ramik RA, Sturman BD, Carr MJ: *Can.Min.*(1986) 24, 455-459

Canada - *Quebec - Montreal Island - St. Michel - Francon quarry*

- Canada: GSC-Ottawa - Type: HT/CT: HT 64261, CT 64265
- Canada: ROM-Toronto - Type: HT: M43798 [MT (few mg, 2 thin sections) (part of #64261 GSC)]

Montroydite

Moses AJ: *Amer.J.Sci.*,ser. 4 (1903) 16, 253-263

USA - *Texas - Brewster County - Terlingua (near) - Mercury deposit*

- USA: NMNH-Washington - Type: T: 86637/8 (don. U.S.Geol.Surv., thru FW Clarke, 1910) and 87483 (isolated xx; don. FW Clarke, 1915)

Mooihoekite

Cabri LJ, Hall SR: *Amer.Min.*(1972) 57, 689-708

South Africa - *Eastern Transvaal - Lydenburg District - Mooihoek deposit*

- USA: NMNH-Washington - Type: T: 124965
- Canada: ROM-Toronto - Type: CT: M30992 (<1g)

Moolooite

Clark RM and Williams IR: *Min.Mag.*(1986) 50, 295-298

Australia - *Western Australia (NW) - Murchison - Mooloo Downs station homestead (12km E of) (S25 00', E116 00')*

- Australia: WAM-Perth - Type: T: MDC 6738

Mooreite

Bauer LH and Berman H: *Amer.Min.*(1929) 14, 103 and 165-172

USA - *New Jersey - Sussex County - Ogdensburg - Sterling Hill mine*

- USA: NMNH-Washington - Type: T: 095985 (don. Harvard Univ., 1929)

Moorhouseite

Jambor JL, Boyle RW: *Can.Min.*(1965) 8, 166-171

Canada - *Nova Scotia - Hants County - Walton (SW of) - Magnet Cove Barium Corp. mine*

- France: ENSM-Paris - Type: CT:
- Canada: GSC-Ottawa - Type: HT: 12145 (50g)

Mopungite

Williams SA: *Min.Rec.*(1985) 16, 73-74

USA - *Nevada - Churchill County - Desert Hills, Mopungo Hills - Green Prospect*

- United Kingdom: NHM-London - Type: CT: BM 1984,477
- USA: NMNH-Washington - Type: T: 161224 (don. M Feinglos, 1984)

Moraesite

Lindberg ML, Pecora WT, Barbosa AL de M: Amer.Min.(1953) 38, 1126-1133

Brazil - Minas Gerais - Galileia - Sapucaia pegmatite

- France: ENSM-Paris - Type: CT: (don. AL de M Barbosa, thru J Cassedanne, 1969)
- USA: NMNH-Washington - Type: T: 106577 (don. WT Pecora, 1954)

Mordenite

How H: Jour.Chem.Soc.London,(1864) 17, 100-104

Canada - Nova Scotia - Kings County - Morden (3-5km E of)

- United Kingdom: NHM-London - Type: CT: BM 52574
- USA: NMNH-Washington - Type: T: R04062

Moreauite

Deliens M, Piret P: Bull.Minéral.(1985) 108, 9-13

Zaire - Kivu - Mwenga - Kobokobo open pit

- Belgium: MRAC-KMMA-Tervuren - Type: HT: RGM 13.748 (millimetric flakes)

Morelandite

Dunn PJ, Rouse RC: Can.Min.(1978) 17, 601-604

Sweden - Värmland - Filipstad - Filipstad - Jakobsberg

- USA: HMM-Cambridge - Type: HT (part of): 126607 (don. PJ Dunn, NMNH coll. no. C04147)
- USA: NMNH-Washington - Type: T: C04147
- Canada: ROM-Toronto - Type: HT: M35176 (< 1g)

Morimotoite

Henmi C, Kusachi I, Henmi K: Min.Mag.(1995) 59, 115-120

Japan - Honshu - Okayama Pref. - Bichu (Bitchu) township - Fuka mine

- Japan: NSM-Tokyo - Type: T: M-26198

Morinite

Lacroix A: Bull.Soc.fr.Min.(1891) 14, 187

France - Limousin - Creuse dép. - Soumans - Montebras

- France: MHN-Paris - Type: CT: 94.17, 94.18 (A. Lacroix)

Morozeviczite

Haranczyk C: Rudi Metale Niezelazne (1975) 20/6, 288-293

Poland - Lower Silesia - Rudna - Polkowice mine

- Poland: JUKr-Krakow - Type: CT: (5 pol. sect.)

Mosandrite

Erdmann A cited in Berzelius J: Jahresbericht über die Fortschritte der physischen Wissenschaften,(1841) 20, 232

Norway - Vestfold - Larvik - Låven island [Langesundfjord

- Sweden: SMNH-Stockholm - Type: T: 531073

Mosandrite is a discredited species, it is an alteration product of rinkite

Moschelite

Krupp ER, Nottes G, Heidtke U: Neues Jahrb.Min.,Mh.(1989) 524-526

Germany - Rheinland-Pfalz - Nordpfälzer Bergland, Donnersberg Kreis - Donnersberg Kreis, Obermoschel (SE of) - Backofen mine

- Austria: NHMW-Wien - Type: CT: M549

Moschellandsbergite

Berman H, Harcourt GA: Amer.Min.(1938) 23, 763-764

Germany - Rheinland-Pfalz - Nordpfälzer Bergland, Donnersberg Kreis - Donnersberg Kreis, Obermoschel (SE of) - Moschellandsberg

- Germany: NMM-Mainz - Type: T: G1986/1971 (ca. 1g)

Compare Steinmetz and Gossner in: Zeitschr.Kryst.(1915) 55, p. 156 (Silberamalgam von Moschel-Landsberg)

Mosesite

Canfield FA, Hillebrand WF, Schaller WT: Amer.J.Sci.,ser. 4 (1910) 30, 202-208

USA - Texas - Brewster County - Terlingua (near) - Mercury deposit

- USA: NMNH-Washington - Type: T: 93292 (don. WF Hillebrand, 1917) and C00870 (Canfield coll., 1927)

Mottanaite-(Ce)

Della Ventura G, Bonazzi P, Oberti R, Ottolini L: Amer.Min.(2002) 87, 739-744

Italia - Lazio - Roma - Sabatini volcanic complex - Monte Cavalluccio

- Italy: MMURo-Roma - Type: HT: 30023/1

Mottramite

Roscoe HE: Proc.Roy.Soc. London (1876) 25, 111

Great Britain - England - Cheshire - St Andrew - Mottram

- United Kingdom: NHM-London - Type: CT: BM 52314-5 (2 samples)

Motukoreaite

Rodgers KA, Chisholm JE, Davis RJ, Nelson CS: Min.Mag.(1977) 41, 389-390 and M21

New Zealand - NE-Island - Auckland district - Waitemata Harbour - Browns Island (=Motukorea)

- United Kingdom: NHM-London - Type: HT (part of): BM 1977,422
- USA: NMNH-Washington - Type: HT (part of): 142971 (don. Univ. Auckland, thru P Black, 1978)
- New Zealand: UA-Auckland - Type: HT:

Mounanaite

Cesbron F and Fritsche J: Bull.Soc.fr.Min.Crist.(1969) 92, 196-202

Gabon - Dept. Haut-Ogooué - Franceville - Mounana (U- and V-deposit)

- France: ENSM-Paris - Type: CT: ("Mission S.C.E.M.", 1962)

Mountainite

Gard JA, Taylor HFW, Chalmers RA: Min.Mag.(1957) 31, 611-623

South Africa - Northern Cape Province - Kimberley - Bultfontein kimberlite pipe

- United Kingdom: NHM-London - Type: CT: BM 1957,369
- USA: NMNH-Washington - Type: T: 114792

Mountkeithite

Hudson DR and Bussel M: Min.Mag.(1981) 44, 345-350

Australia - Western Australia (central part) - Mount Keith Ni-deposit (S27 10', E120 33')

- Australia: WAM-Perth - Type: HT/CT: M72.1991 (100mg)

Mourite

Kopchenova EV, Skvortsova KV, Silantieva NI, Siderenko GA, Mikhailova LV: ZVMO,(1962) 91, 67-71

Kazakhstan - Alma Ata, WNW of - Chu-Ili Mts. - Kyzyl-say Mo-U-mine

- USA: NMNH-Washington - Type: T: 127972

Supergene

Moydite-(Y)

Grice JD, van Velthuizen J, Dunn PJ, Newberry DE, Etz ES, Nielsen CH: *Can.Min.*(1986/24/665-673)
Canada - Quebec - Papineau County - Val de Monts Township - Evans-Lou mine (Lot 32, Range VI)

- Canada: CMN-Ottawa - Type: HT: 50772 (15 xx, 1mm each) - CT 50771 (x on matrix)
- USA: NMNH-Washington - Type: CT: 162936

Mozartite

Basso A, Lucchetti G, Zefirol L, Palenzona A: *Can.Min.*(1993) 31, 331-336
Italia - Liguria - Spezia - Val di Vara (near Borghetto di Vara) - Cerchiara mine

- Italy: IMUGe-Genova - Type: T:

Found on the dumps

Mozgovaite

Vurro F, Garavelli A, Garbarino C, Moelo Y, Borodaev YS: *Can.Min.*(1999) 37, 1499-1506
Italia - Aeolian Islands - Vulcano - La Fossa crater

- Italy: MMUBa-Bari - Type: HT: No. 5/nm

Occurs as a high-temperature fumarole encrustation.

Mrazekite

Ridkosal T, Srein V, Fabry J, Hybler J, Maximov BA: *Can.Min.*(1992) 30, 215-224
Slovakia - Slovenské Rudohorie Mts. - Banská Bystrica (15km E of) - L'ubietova - Reinera mine (former)

- Czech Republic: CUP-Praha - Type: CT:
- Czech Republic: NMCR-Praha - Type: CT:

Mroseite

Mandarino JA, Mitchell RS, Hancock RGV: *Geol.Soc.Amer.Abstr.Progr.*(1975) 7, no. 6, 814-815
Mexico - Sonora - Municipio de Moctezuma - Moctezuma - Moctezuma mine (Te-Au deposit)

- Canada: ROM-Toronto - Type: HT: M33757 (ca. 1g)

Compare same authore in. Can.Min.(1976) 13, 268-288

Mückeite

Schnorrer-Köhler G, Neumann U, Doering Th: *Neues Jahrb.Min.,Mh.*(1989) 193-200
Germany - Rheinland-Pfalz - Kreis Altenkirchen, Siegerländer Erzbezirk - Schutzbach (SW) - Grüne Au mine

- Germany: MPIU-Tübingen - Type: CT:
- Germany: MSU-Göttingen - Type: CT:

Muirite

Alfors JT, Stinson MC, Matthews RA, Pabst A: *Amer.Min.*(1965) 50, 314-340
USA - California - Fresno County - Trimmer (5 mls NE of) - Big Creek and Rusch Creek sanbornite deposit

- USA: CSMMM-Mariposa - Type: T:

Mullite

Bowen NL, Greig JW, Zies EG: *J.Amer.Ceram.Soc.*(1924) 7, 244
Great Britain - Scotland - Argyllshire - Mull, Carsaig - Nuns Pass, Seabank Villa

- United Kingdom: NHM-London - Type: CT: BM 1925,432-437

Same authors also in: Journ.Wash.Acad.Sci.(1924) 14, 183

Mummeite

Karup-Moller S and Makovicky E: *Neues Jahrb.Min.,Mh.*(1992) 555-576
USA - Colorado - San Juan County - Poughkeepsie Gulch - Alaska mine

- USA: DMNH-Denver - Type: T:

Mundite

Deliens M, Piret P: Bull.Minéral.(1981) 104, 669-671

Zaire - Kivu - Mwenga - Kobokobo open pit

- Belgium: MRAC-KMMA-Tervuren - Type: HT: RGM 11.888 (a few mg)

Mundrabiliaite

Bridge PJ and Clark RM: Min.Mag.(1983) 47, 80-81

Australia - Western Australia - Eucla-SE - Madura (near) - Petrogale Cave (S31 58', E127 00')

- Australia: WAM-Perth - Type: HT: MDC 5902 (minimal)

Munirite

Butt KA and Mahmood K: Min.Mag.(1983) 47, 391-392

Pakistan - Azad Kashmir - Bhimber area (on outcrops of the Siwalik sandstone)

- Pakistan: HDAE-MC-Peshawar - Type: CT:
- United Kingdom: NHM-London - Type: T: BM 1983,196

Murataite-(Y)

Adams JW, Botinelly T, Sharp WN, Robinson K: Amer.Min.(1974) 59, 172-176

USA - Colorado - El Paso County - St. Peters Dome area

- USA: NMNH-Washington - Type: T: 133319/21 (don. U.S.Geol.Surv., JW Adams, 1974)

Murunskite

Dobrovolskaya MG, Tsepina AI, Evstigneeva TL, Vylasov LN, Zaozerina ON: ZVMO,(1981) 110, 468-473

Russia - Yakutiya-SW - Aldan, Murun alkali massif - Vislonovka

- Russia: FMM-Moscow - Type::

Musgravite

Hudson DR, Wilson AF, Threadgold IM: Min.Mag.(1967) 36, 305-310

Australia - South Australia - Musgrave Ranges - Ernabella Mission (16km NNE of) (S26 15', E132 10')

- Australia: UQL-Brisbane - Type: HT(2/3): V014820 (66g)
- Australia: WAM-Perth - Type: HT(1/3): M70.1991

A new definition of this mineral exist, see Amer.Min.(1984) 69, 215

Mushistonite

Marshukova NK, Pavlovskii AB, Sidorenko GA: ZVMO,(1984) 113, 612-617

Tajikistan - Mushiston, Sn-ore deposit

- Russia: FMM-Moscow - Type::

Supergene

Muskoxite

Jambor JL: Amer.Min.(1969) 54, 684-696

Canada - Northwest Territories - Coppermine River area - Muskox Intrusion

- Canada: ROM-Toronto - Type: CT: M36526 (>1mg)

Mutinaite

Galli E, Vezzalini G, Quartieri S, Alberti A, Franzini M: Zeolites,(1997) 19, 318-322

Antarctica - Northern Victoria Land - Mt. Adamson (S73 56'21", E162 57'30")

- Italy: MSNU-Pisa - Type: HT:

Compare G Vezzalini, S Quartieri, E Galli, A Alberti, G Cruziani, A Kvick in Zeolites (1977) 19, 323-325 (crystal structure)