

Gabrielsonite

Moore PB: Arkiv Min.Geol.(1967) 4, 401-405

Sweden - Värmland - Filipstad - Filipstad - Langban, Hindenburgstope

- USA: NMNH-Washington - Type: CT: 120063, 162613
- Sweden: SMNH-Stockholm - Type: CT: 532095

Only with name in *Can.Min.*(1967) 9, 301

Gadolinite-(Ce)

Segalstad TV, Larsen AO: Amer.Min.(1978) 63, 188-195

Norway - Telemark - Porsgrunn - Skien - Bjorkedaken

- Norway: MGMU-Oslo - Type: CT: 21325 (11 pieces, 570g)

Gagarinite-(Y)

Stepanov AV, Severov EA: DAN-SSSR,(1961) 141, 954-957

Kazakhstan - (East) - Tarbagatay - Verkhnee Espe

- Russia: VGM-Moscow - Type: T: 47307 (Severov 1961)

In albitizes granites.

Gageite-1Tc

Phillips AH: Amer.J.Sci., ser. 4 (1910) 30, 283-284

USA - New Jersey - Sussex County - Franklin

- France: ENSM-Paris - Type: CT: (don. Harvard Univ., 1977)
- USA: NMNH-Washington - Type: T: 086845 (don. U.S.Geol.Surv., thru RB Gage and WT Schaller, 1911) and R06444 (Roebbling coll., found 1898)

Original Name = *Gageite*. Restudied by Dunn PJ in: *Amer.Min.*(1979) 64, 1056-1058. Polytypic modifications found by G Ferraris, M Mellini, S Merlino: *Amer.Min.*(1987) 72, 382-391.

Gaidonnayite

Chao GY: Can.Min.(1973) 12, 143-144

Canada - Quebec - Rouville County - Mont Saint-Hilaire

- Canada: GSC-Ottawa - Type: HT/CT: 37127 (HT, one piece of matrix) and 37128 (CT, one piece of matrix)
- Canada: ROM-Toronto - Type: CT: M34803-M34805 (a few mg)

Compare GY Chao and DH Watkinson in: *Can.Min.*(1974) 12, 316-319

Gainesite

Moore PB, Araki T, Steele IM, Swihart GH, Kampf AR: Amer.Min.(1983) 68, 1022-1028

USA - Maine - Oxford County - Newry, Plumbago Mt. - Nevel (Twin Tunnels) pegmatite quarry

- USA: HMM-Cambridge - Type: HT (parts of): 119133 (don. N Yedlin, before 1954) and don. JB Gordon, 1995
- USA: NMNH-Washington - Type: HT: 114848 (don. N Yedlin, 1961)

Gaitite

Sturman BD, Dunn PJ: Can.Min.(1980) 18, 197-200

Namibia - Otavi - Tsumeb

- USA: NMNH-Washington - Type: HT: 144799
- Canada: ROM-Toronto - Type: CT: M35388 (a few mg)

Galeite

Pabst A, Sawyer DL, Switzer G: Bull.Geol.Soc.Amer.(1955) 66, 1658-1659

USA - California - San Bernardino County - Searles Lake - Test hole drilled: L-NN, depth 113 feet

- USA: NMNH-Washington - Type: T: 107385 (don. G Switzer, 1955)

Galenobismutite

Sjögren H: GFF,(1878) 4, 109

Sweden - Värmland - Filipstad - Filipstad - Nordmark, Kogruvan

- Sweden: SMNH-Stockholm - Type: HT: HS 0111

Galileiite

Olsen, EJ, Steele IM: Meteoritics Planetary Sci.(1997) 32, A155-A156

Meteorite-USA - New Mexico, Cibola County (N35 10', W107 53') - Meteorite Grant - Iron, Octahedrite, IIIB

- USA: NMNH-Washington - Type: HT:

The mineral occurs within troilite nodules in the Grant IIIB and four other IIIAB irons

Galkhaite

Gruzdev VS, Stepanov VI, Shumkova NG, Chernitsova NM, Yudin RH, Bryzgalov IA: DAN-SSSR,(1972) 205, 1194-1197

Russia - Yakutia - Indigirka river basin - Uyandina river - Gal-Khaya deposit

- Russia: FMM-Moscow - Type: T: 73879/80
- Russia: MM-St.Petersburg - Type: T: 1052/1-2

Hydrothermal

Gallite

Strunz H, Geier BH, Seeliger E: N.Jahrb.Min.Mh.(1958) 241-264

Zaire - Shaba - Kipushi - Prince Léopold mine

- Germany: IMK-TU-Berlin - Type: HT: 86/67, 87/564,396 (from Kipushi and Tsumeb, 3 spec. with grains up to 5mm within renierite, 2 single grains, polished sections)

Second TL: Namibia, Otavi, Tsumeb (level 30)

Gallobeutantite

Jambor JL, Owens DR, Grice JD, Feinglos MN: Can.Min.(1996) 34, 1305-1315

Namibia - Otavi - Tsumeb, level not known

- Canada: CMN-Ottawa - Type: CT: (crst. used for structure det.)
- Canada: GSC-Ottawa - Type: CT: (pol. sect. and sect. of anal. grain)

The original specimen is from the private collection of Feinglos MN. It was labeled "fleischerite" and is believed to have been collected in about 1960.

Gamagarite

De Villiers JE: Amer.Min.(1943) 28, 329-335

South Africa - Northern Cape Province - Postmansburg district - Gloucester Farm - Gamarara Ridge

- South Africa: GSM-Pretoria - Type: HT: NCS001 (456g)
- United Kingdom: NHM-London - Type: CT: 1958,553
- USA: NMNH-Washington - Type: T: 105142

Gananite

Cheng Longzai, Hu Zongshao, Pan Shiwei, Huang Rongsheng, Guo Shuliang: Yanshi Kuangwu Ji Ceshi (1984) 3, 119-123

China - Jiangxi Province (S part) - Ganan area - Laikeng mining District

- China: NMG-Beijing - Type: CT:

Ganophyllite

Hamberg A: GFF,(1890) 12, 586-598

Sweden - Värmland - Filipstad - Filipstad - Harstigen

- Sweden: SMNH-Stockholm - Type: HT: 332791

Gaotaiite

Yu Zuxiang: *Acta Mineral. Sinica* (1995) 15/1, 1-4

China - Hebei Province - Beijing (200km NNE of) - Gaotai village (near)

- China: NMG-Beijing - Type: T:

Garavellite

Gregorio F, Lattanzi P, Tanelli G, Vurro F: *Min.Mag.*(1979) 43, 99-102

Italia - Toscana - Lucca - Alpi Apuane, Valle del Frigido - Cu-Fe deposit

- France: ENSM-Paris - Type: CT: (don. G Tanelli, 1978)
- Italy: MMUFI-Firenze - Type: HT: 100/I
- USA: NMNH-Washington - Type: T: 145.868 (don. P Lattanzi, 1979)

Garronite

Walker GPL: *Min.Mag.*(1960) 32, 505 (only name) and *Min.Mag.*(1962) 33, 173-186

Great Britain - Northern Ireland - Country Antrim - Garron Plateau - Glenariff Valley (western side of)

- United Kingdom: NHM-London - Type: T: BM 1963,439

Gartrellite

Nickel EH, Robinson BW, FitzGerald J, Birch WD: *Austral.Mineral.*(1989) 4, 83-89

Australia - Western Australia (NW) - Ashburton Downs (near) - Copper prospect (S23 20', E117 05')

- Australia: MOV-Melbourne - Type: HT: M39278
- Australia: WAM-Perth - Type: CT: M61.1991

Garyansellite

Sturman BD, Dunn PJ: *Amer.Min.*(1984) 69, 207-209

Canada - Yukon Territory - Big Fish River/Blow River area - Rapid Creek (E side of valley) (N68 34', W136 46')

- Canada: ROM-Toronto - Type: HT: M37306 (3 vials of fragments, 1 x-ray spindle, 2 thin sections)

Gasparite-(Ce)

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

Italia - Piemonte - Novara - Valle d'Ossola, Valle Devero, Alpe Devero - Pizzo Cervandone

- Switzerland: MPI-Basel - Type: HT/CT: S97 (=prep. f. XRD,REM,IR)
- Switzerland: NMBA-Basel - Type: HT/CT: 30653 (5 samples)

Gaspéite

Kohls DW, Rodda JL: *Amer.Min.*(1966) 51, 677-684

Canada - Quebec - Gaspé Peninsula - Gaspé-Ouest County (formerly Gaspé-Nord County) - Lemieux Township

- USA: NMNH-Washington - Type: T: 119544
- Canada: UBC-Vancouver - Type: T: S-75-4222

Gatehouseite

Pring A and Birch WD: *Min.Mag.*(1993) 57, 309-313

Australia - South Australia - Middleback Ranges (N-end of the) - Iron Knob township - Iron Monarch quarry (S32 44', E137 09')

- Australia: MOV-Melbourne - Type: CT: M41982, M42467
- Australia: SAM-Adelaide - Type: CT: G17655

Gatumbaite

Knorring O Von and Franolet AM: *Neues Jahrb.Min.,Mh.*(1977) 561-568

Rwanda - Gisenyi prov. - Gatumba - Buranga (Li-pegmatite)

- Belgium: MRAC-KMMA-Tervuren - Type: HT/CT: RGM 10.560 (few mg)
- USA: NMNH-Washington - Type: T: 142982 (don. M Deliens, 1978)

Gaodefroyite

Jouravsky G and Permingeat F: Bull.Soc.fr.Min.Crist.(1964) 87, 216-229

Morocco - Anti Atlas - Tachgagalt Mn-mine

- France: ENSM-Paris - Type: HT: (don. Geol.Surv. Maroc, thru F Permingeat)
- France: MHN-Paris - Type: T: 165.34 (don. C Gaodefroy)

Gaultite

Ercit TS, van Velthuizen J: Can.Min.(1994) 32, 855-863

Canada - Quebec - Rouville County - Mont Saint-Hilaire - Poudrette quarry (N45 28', W73 05')

- Canada: CMN-Ottawa - Type: HT: 81513 (one piece of matrix, one WDS mount, two vials of loose xls)

Gebhardtite

Medenbach O, Gebert W, Abraham K: Neues Jahrb.Min.,Mh.(1983) 445-450

Namibia - Otavi - Tsumeb

- France: ENSM-Paris - Type: HT/CT:
- USA: NMNH-Washington - Type: T: 147360

Geerite

Goble RJ and Robinson GW: Can.Min.(1980) 18, 511-518,519-523

USA - New York - St. Lawrence County - Dekalb township

- Canada: CMN-Ottawa - Type: HT (part of): 48618 (3 pol mounts, micropr., 1 handspecimen)
- United Kingdom: NHM-London - Type: CT: BM 1986,482
- USA: NMNH-Washington - Type: CT: 144186 (don. GW Robinson, 1978)

Geffroyite

Johan Z, Picot P, Ruhlmann F: Tschermaks Min.Petr.Mitt.(1982) 29, 151-167

France - Auvergne - Puy-de-Dôme dép. - Vernet-La-Varenne, 5km N of - Chaméane

- France: ENSM-Paris - Type: T:

Geigerite

Graeser S, Schwander H, Bianchi R, Pilati T, Gramaccioli CM: Amer.Min.(1989) 74, 676-684

Switzerland - Graubünden - Oberhalbstein - Falotta (old Mn-Fe-mine)

- Switzerland: MPI-Basel - Type: CT: S97 (prep. for XRD, SEM, IR)
- Switzerland: NMBA-Basel - Type: HT/CT: 30804 (10 samples)

Geikielite

Fletcher L: Nature (1892) 46, 620

Sri Lanka - Rakwana and Balangoda districts - in gem gravels

- France: MHN-Paris - Type: T: 137.214 (part of a BM specimen)
- United Kingdom: NHM-London - Type: CT: BM 69078/9

Compare A Dick in: Min.Mag.(1893) 10, 145

Geminite

Sarp H, Perroud P: Schweiz.Min.Petr.Mitt.(1990) 70, 309-314

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

- Switzerland: MHN-Genève - Type: HT/CT: 435/83

Genkinite

Cabri LJ, Steward JM, Laflamme JHG, Szymanski JT: *Can.Min.*(1977) 15, 389-392

South Africa - Eastern Transvaal - Lydenburg District - Bushfield Complex - Onverwacht pipe deposit

- Canada: CMN-Ottawa - Type: HT (part of): 57407 (grains in polished section, Pinch-coll.)
- Russia: FMM-Moscow - Type: CT:
- USA: NMNH-Washington - Type: T: 136485 (specimen with type platarsite)
- Canada: ROM-Toronto - Type: CT: M34681 (<1mg)

Genthelvite

Glass JJ, Jahns RH, Stevens RE: *Amer.Min.*(1944) 29, 163-191

USA - Colorado - El Paso County - West Cheyenne Cañon (Colorado Springs, 10km SW of) - St. Peter's Dome (near)

- United Kingdom: NHM-London - Type: T: BM 1976,427 (1 sample)
- USA: NMNH-Washington - Type: T: 127180 (don. Penn. State Univ., K Smith and PJ Dunn, 1073; 1 vial)

Georgechaoite

Boggs RC and Ghose S: *Can.Min.*(1985) 23, 1-10

USA - New Mexico - Otero County - Wind Mountain (in a nepheline syenite)

- USA: NMNH-Washington - Type: CT: 161902 (don. RC Boggs, 1984)

Georgeericksenite

Cooper MA, Hawthorne FC, Roberts AC, Grice JD, Stirling JAR, Moffatt EA: *Amer.Min.*(1998) 83, 390-399

Chile - Oficina Chacabuco (S23 09' W69 37')

- Canada: CMN-Ottawa - Type: HT: 82914

Oficina, as used in the nitrate fields, refers to the site of the plant for treating nitrate ore

Georgeite

Bridge PJ, Just J, Hey MH: *Min.Mag.*(1979) 43, 97-98

Australia - Western Australia (central part) - Kalgoorlie (N of) - Goongarrie - Carr Boyd Ni-mine (S30 04', E121 37')

- United Kingdom: NHM-London - Type: CT: BM 1979,323
- USA: NMNH-Washington - Type: T: (not mentioned in the official catalogue of the NMNH)
- Japan: NSM-Tokyo - Type: T:
- Australia: WAM-Perth - Type: HT: MDC 5715

Georgiadesite

Lacroix A and de Schulten A: *Bull.Soc.fr.Min.Crist.*(1907) 31, 86

Greece - Attica - Lavrion

- France: ENSM-Paris - Type: CT: (don. Museum-Paris, no. 109.1073)
- France: MHN-Paris - Type: CT: 105.81, 107.813, 109.1072 (don. A Lacroix)

In ancient lead slags

Georgiadesite

Lacroix A and de Schulten A: *Bull.Soc.fr.Min.Crist.*(1907) 31, 86

Greece - Attica - Lavrion

- USA: NMNH-Washington - Type: T/T: 137839 (don. C Guillemin, thru Trelawney coll.) and 145938 (don. AMNH, New York; part of 28427)

In ancient lead slags

Gerasimovskite

Semenov EI: Trud.Inst.min.geokh.cryst. redkikh elementov,(1957) 1, 41-59

Russia - Kola Peninsula - Lovozero massif - Malyi Punkaruiv Mt.

- Russia: FMM-Moscow - Type: T: 62290
- Russia: VGM-Moscow - Type: CT: 46315 (Semenov 1959)

In ussingite pegmatites

Gerdtremlite

Schmetzer K, Medenbach O: Neues Jahrb.Min.,Mh.(1985) 1-6

Namibia - Otavi - Tsumeb

- Germany: MPI-Heidelberg - Type: HT: 10'11'16 (1 spec.)
- USA: NMNH-Washington - Type: T: 147360

Gerenite-(Y)

Jambor JL, Roberts AC, Grice JD, Birkett TC, Groat LA, Zajac S: Can.Min.(1998) 36, 793-800

Canada - Quebec - Schefferville (250km NE of) - Strange Lake peralkaline complex (N56 20', W64 10')

- Canada: GSC-Ottawa - Type: T,HT: NMCC 67354
- Canada: UBC-Vancouver - Type:: (single crystal fragment used for X-ray structure determination)

Germanite

Pufahl O: Metall und Erz, Halle,(1922) 19, 324-325

Namibia - Otavi - Tsumeb

- United Kingdom: NHM-London - Type: CT: BM 1922,1180

Germanocolusite

Spiridonov EM, Kachalovskaya VM, Kovachev VV, Krapiva LYa: Vestnik Moskovskogo Univ., Ser.3,Geol.(1992) n.6, 50-54

Uzbekistan - Northern Caucasus - Urup deposit

- Russia: FMM-Moscow - Type:: (from Urup)

Gerstleyite

Frondel C and Morgan V: Amer.Min.(1956) 41, 839-843

USA - California - Kern County - Kramer Borate district - Baker mine

- USA: HMM-Cambridge - Type: T: 111307 (don. V Morgan)
- USA: NMNH-Washington - Type: T: 106916 (don. Harvard Univ., 1954)

Gerstmannite

Moore PB and Araki T: Amer.Min.(1977) 62, 51-59

USA - New Jersey - Sussex County - Ogdensburg - Sterling Hill mine (1120 stope above 1100' level)

- France: ENSM-Paris - Type: CT: (don. PB Moore, 1976)
- USA: HMM-Cambridge - Type: T: 126484 (don. JL Baum, 1975)
- USA: NMNH-Washington - Type: HT/T: 135926 (don. PB Moore, 1976) and 137021 (don. PB Moore, 1977)

Species first mentioned by EF Kashner in: Rocks&Minerals (1976) 51, 124.

Getchellite

1965: Weissberg BG

USA - Nevada - Humboldt County - Getchell mine (W-side of the S-pit extension)

- USA: NMNH-Washington - Type: T: 118159/60 (don. BG Weissberg)

Geversite

Stumpfl EF: Min.Mag.(1961) 32, 833-847

South Africa - Eastern Transvaal - Burgersfort (25km NE of) - Driekop dunite-pipe (in the Bushfield Complex)

- France: ENSM-Paris - Type: CT:

Gianellaite

Tunell G, Fahey JJ, Daugherty FW, Gibbs GV: Neues Jahrb.Min.,Mh.(1977) 119-131

USA - Texas - Brewster County - Terlingua District - Mariposa mine (Perry pit of the)

- USA: HMM-Cambridge - Type: T: 124993 (don. G Tunell and GV Gibbs, 1978)
- USA: NMNH-Washington - Type: T: 142886/7 (don. Univ. Calif., thru G Tunell, 1978)

Giessenite

Graeser S: Schweiz.Min.Petr.Mitt.(1963) 43, 471-478

Switzerland - Wallis - Binntal - Turtschi quarry, near Giessen

- Switzerland: NMBA-Basel - Type: HT: SG 393 (1 specimen)

Gilalite

Cesbron FP and Williams SA: Min.Mag.(1980) 43, 639-641

USA - Arizona - Gila County - Hayden (near) - Christmas mine

- USA: UA-Tucson - Type: T:
- France: MHN-Paris - Type: T: (don. SA Williams)
- United Kingdom: NHM-London - Type: CT: BM 1980,533
- USA: NMNH-Washington - Type: T: 150201 (Cureton Mineral Co., 1983)

Gillespite

Schaller WT: J.Washington Acad.Sci.(1922) 12, 7-8

USA - Alaska - Alaska Range - Fairbanks (100 miles SE of) - Dry Delta

- USA: HMM-Cambridge - Type: T: 90622 (don. WT Schaller)
- USA: NMNH-Washington - Type: T: 094347 (don. U.S.Geol.Surv., 1921)

Gillulyite

Wilson JR, Robinson PD, Wilson PN, Stanger LM, Salmon GL: Amer.Min.(1991) 76, 653-656

USA - Utah - Tooele County - Quirrh Mts (S of) - Mercur-Gold deposit

- USA: HMM-Cambridge - Type: T: 130781 (don. JR Wilson, 1989)
- USA: NMNH-Washington - Type: CT: (cit. by Wilson et al., 1991)
- Canada: ROM-Toronto - Type: T: (cit. by Wilson et al., 1991)

Gilmarite

Sarp H, Cerny R: Eur.J.Min.(1999) 11, 549-555

France - Alpes-Maritimes - Guillaumes (6km S of) - Var valley, Barrot Dome - Roua copper ore deposit (N46 02' E6 51')

- Switzerland: MHN-Geneve - Type: T: 477006

Giniite

Keller P: Neues Jahrb.Min.,Mh.(1980) 49-56 and 561-563

Namibia - Damaraland - Usakos (W of) - Sandamap pegmatite

- Germany: IMKU-Stuttgart - Type: CT: NM 01 (some tiny euhedral xx)
alteration product of triphylite

Giraudite

Johan Z, Picot P, Ruhlmann F: Tschermaks Min.Petr.Mitt.(1982) 29, 151-167

France - Auvergne - Puy-de-Dôme dép. - Vernet-La-Varenne, 5km N of - Chaméane

- France: ENSM-Paris - Type: T:

Girdite

Williams SA: Min.Mag.(1979) 43, 453-457

USA - Arizona - Cochise County - Tombstone - Grand Central mine (on the waste dumps)

- France: MHN-Paris - Type: T: (don. SA Williams)
- United Kingdom: NHM-London - Type: CT: BM 1980,539

Girvasite

Britvin SN, Pakhomovskii YaA, Bogdanova AN, Sokolova YeV: Min.Zhurnal,(1990), 12, 79-83

Russia - Kola Peninsula - Kovdor massif - Lake Girvas - Kovdor iron deposit

- Russia: FMM-Moscow - Type: T: 87981
- Russia: GIKB-Apatity - Type: T: 5948
- Russia: MM-St.Petersburg - Type: T: 2025/1

From carbonatites

Gittinsite

Ansell HG, Roberts AC, Plant AG, Sturman BD: Can.Min.(1980) 18, 201-203

Canada - Quebec - Temiscamingue County - Villedieu Township, Sheffield Lake - Kipawa River (agpaitic syenite)

- Canada: GSC-Ottawa - Type: HT (part of): 19558 (few g)
- Canada: ROM-Toronto - Type: HT (part of): M37321 (a few mg, and one thin section)

Giuseppettite

Mazzi F and Tadini C: Neues Jahrb.Min.,Mh.(1981) 103-110

Italia - Lazio - Roma - Campagnano, Sacrofano volcanic caldera - Valle Biachella (3.2km NNW of Sacrofano)

- Italy: MCSN-Milano - Type: T: M23737 (don. G Giuseppetti, 1982)
- Italy: MMUPv-Pavia - Type: CT:

In ejected sanidinite block

Gladite

Johansson K: Arkiv Kemi, Min.Geol.(1924) 9/8, 17

Sweden - Kalmar - Västervik - Västervik - Gladhammar

- Sweden: SMNH-Stockholm - Type: HT: 24096

Gladiusite

Liferovich RP, Sokolova EV, Hawthorne FC, Laajoki KVO, Gehör S, Pakhomovsky YA, Sorokhtina NV:

Can.Min.(2000) 38, 1477-1485

Russia - Kola Peninsula - Kovdor massif - (associated with the phoscorite-carbonatite unit of the)

- Russia: FMM-Moscow - Type: HT: 2310/1
- Finland: GMUO-Oulu - Type: HT: 12182

Glauberite

Brongniart A: Journ.Mines (1808) 23, 5

Spain - Castilla - La Mancha - Toledo Province - Villarubia de Santiago - Minas El Castellar and Los Castilletes (N39 58', W3 22')

- France: MHN-Paris - Type: CT: 23.400/401/402

Glaucocerinite

Dittler E and Koechlin R: Centralbl.Min.,Abt. A (1932) p. 13-17

Greece - Attica - Lavrion

- Austria: NHMW-Wien - Type: HT: G1378/9 (specimens acquired 1892)

Glaucodot

Breithaupt A and Plattner CF: Ann.Phys.Chem., Poggendorff (1849) 77, 127

Chile - Valparaiso - Huasco area

- Germany: BAF-Freiberg - Type: T: 3744 (don. A Breithaupt, 1848), 3748 and 3753 (don. Sächsische Blaufarbenwerke, 1848)

Glaukosphaerite

Pryce MW and Just J: Min.Mag.(1974) 39, 737-743

Australia - Western Australia (central part) - Kambalda (near), Hampton East location (3km N of) - Durkin shaft (S31 12', E121 40')

- France: ENSM-Paris - Type: CT:
- United Kingdom: NHM-London - Type: HT (part of): BM 1975,419
- USA: NMNH-Washington - Type: T: 131889
- Australia: WAM-Perth - Type: HT: MDC 5309

Glucine

Grigoriev NA: ZVMO,(1963) 92, 691-696

Russia - Ural-Mid. - Yekatrinnburg Oblast - Kamensk-Uralsky city (35km SW of) - Boeyovskoye mine

- Russia: FMM-Moscow - Type: T: 65901/02
- Russia: MM-St.Petersburg - Type: T: 1181/1
- Russia: MSRI-Miass - Type: T: 11344 vr

Hydrothermal

Gmelinite-K

Khomyakov AP, Polezhaeva LI, Malinovsky YA: ZVMO (2001) 130/3, 65-71

Russia - Kola Peninsula - Lovozero alkaline massif - Alluaiv Mt.

- Russia: FMM-Moscow - Type: T:

Gobbinsite

Nawaz R and Malone JF: Min.Mag.(1982) 46, 365-369

Great Britain - Northern Ireland - County Antrim - Island Magee, Gobbins area (S of) - Hills Port (near), Two Mouthed cave

- United Kingdom: NHM-London - Type: CT: BM 1982,203
- United Kingdom: UM-Belfast - Type: CT:

Godlevskite

Kulagov EA, Evstigneeva TL, Yushko-Zakharova OE: Geol.Rudn.Mest.(GRM)(1969) 11, n.3, 115-121

Russia - Krasnoyarsk Territory - Noril'sk district - Talnakh deposit

- Russia: FMM-Moscow - Type: T: 73000

In bornite and bornite-chalcopyrite veins

Godovikovite

Shcherbakova YeP, Bazhenova LF, Chesnokov BV: ZVMO,(1988) 117, 208-211

Russia - Ural-S - Chelyabinsk Oblast - Chelyabinsk coal basin - Kopeisk

- Russia: FMM-Moscow - Type: T: 87566
- Russia: MSRI-Miass - Type: T: 5894

From burning dumps of coal mines

Goedkenite

Moore PB, Irving AJ, Kampf AR: Amer.Min.(1975) 60, 957-964

USA - New Hampshire - Grafton County - North Groton - Palermo no. 1 mine

- USA: NMNH-Washington - Type: T: 128070 (don. PB Moore, 1974)

Goldichite

Rosenzweig A and Gross EB: Amer.Min.(1955) 40, 469-480

USA - Utah - Emery County - San Rafael Swell, Calf Mesa - Dexter no. 7 mine

- USA: NMNH-Washington - Type: T: 106903 (don. Univ. Minnesota, A Rosenzweig, 1954)

Goldmanite

Moench RH and Meyrowitz R: Amer.Min.(1964) 49, 644-655

USA - New Mexico - Valencia County - Albuquerque (45 mls W of) - Laguna U-mining District

- USA: NMNH-Washington - Type: T: 121717 (don. U.S.Geol.Surv., RH Moench, 1969) and 121953 (don. U.S.Geol.Surv., 1969)

Gonnardite

Lacroix A: Bull.Soc.fr.Min.(1896) 19, 426-427

France - Auvergne - Puy-de-Dôme dép. - Chaux-de-Bergonne - Gignat

- France: MHN-Paris - Type: CT: 97.196 (A. Lacroix)

Gonyerite

Frondel C: Amer.Min.(1955) 40, 1090-1094

Sweden - Värmland - Filipstad - Filipstad - Langban

- USA: HMM-Cambridge - Type: T: 112842 (described from HMM coll.)
- United Kingdom: NHM-London - Type: CT: BM1956,190-191
- USA: NMNH-Washington - Type: T: 106913

Goosecreekite

Dunn PJ, Peacor DR, Newbery N, Ramik RA: Can.Min.(1980) 18, 323-327

USA - Virginia - Loudoun County - Leesburg (near) - Goose Creek quarry

- USA: HMM-Cambridge - Type: HT (part of): 117087 (part of NMNH no. 145880)
- United Kingdom: NHM-London - Type: HT (part of): BM 1980,579
- USA: NMNH-Washington - Type: HT: 145880 (don. G Brewer, 1979)
- Canada: ROM-Toronto - Type: HT: M36621 (part of NMNH no. 145880; a few mg, and a X-ray powder mount)

Gordaite

Schlüter J, Klaska K-H, Friese K, Adiwidjaja G, Gebhard G: Neues Jahrb.(1997) 155-162

Chile - Antofagasta - Antofagasta (NE of) - Sierra Gorda - San Francisco mine

- Germany: MMUH-Hamburg - Type: T: ?

Gordonite

Larsen ES and Shannon EV: Location: USA - Utah - Utah County - Fairfield, Clay Canyon (near) - Utahlite mine

USA - Utah - Utah County - Fairfield, Clay Canyon (near) - Utahlite mine

- USA: HMM-Cambridge - Type: T: 95497 (don. ES Larsen)
- USA: NMNH-Washington - Type: T: 137128 (don. Harvard Univ., C Frondel, 1977)

Görgeyite

Mayrhofer K: N.Jahrb.Min.,Mh.(1953), 35-44

Austria - Oberösterreich - Ischl salt deposit, Leopold horizon

- USA: HMM-Cambridge - Type: T: 107559 (don. H. Meixner)
- Austria: NHMW-Wien - Type: CT: M474

Gormanite

Sturman BD, Mandarino JA, Mrose ME, Dunn PJ: *Can.Min.*(1981) 19, 381-387

Canada - Yukon Territory - Big Fish River/Rapid Creek area - Rapid Creek

- USA: NMNH-Washington - Type: CT: 137494/5 (30g, parts of the ROM-types)
- Canada: ROM-Toronto - Type: CT: M35123, M35124 and M37368 (approx. 30g)

Gortdrumite

Steed GM: *Min.Mag.*(1983) 47, 35-36

Ireland - County Tipperary - Gortdrum orebody

- United Kingdom: NHM-London - Type: HT: BM 1983,62

Gottardiite

Galli E, Quartieri S, Vezzalini G, Alberti A: *Eur.J.Min.*(1996) 8, 687-693

Antarctica - Northern Victoria Land - Mt. Adamson - SW crest (just under the summit) (S73 56', E162 56')

- United Kingdom: NHM-London - Type: T: BM 1994,100

Compare A Alberti, G Vezzalini, E Galli, S Quartieri in: Eur.J.Min.(1996) 8, 69-75 (crystal structure). - In only one of the Jurassic Ferrar-dolerites.

Gottlobite

Witzke T, Steins M, Doering T, Kolitsch U: *Neues Jahrb.Min.,Mh.*(2000) 444-454

Germany - Thüringen - Friedrichroda - Gottlob hill, Gottlob quarry (near) - Glücksstern mine (on the dumps of)

- Germany: BAF-Freiberg - Type: T: 78907

Götzenite

Sahama T, Hytönen K: *Min.Mag.*(1957) 31, 503-510

Zaire - Kivu - Rutshuru - Mount Shaheru (volcano Nyiaragongo)

- Belgium: MRAC-KMMA-Tervuren - Type: CT: RGM 8.037
- United Kingdom: NHM-London - Type: CT: 1957,702
- USA: NMNH-Washington - Type: HT: 142.981

Goudeyite

Wise WS: *Amer.Min.*(1978) 63, 704-708

USA - Nevada - Pershing County - Majuba Hill mine (middle adit, Cu-stope)

- USA: NMNH-Washington - Type: CT: 144005

Gowerite

Erd RC, McAllister JF, Almond H: *Amer.Min.*(1959) 44, 911-919

USA - California - Inyo Couty - Death Valley, 20 Mule Team Canyon (head of) - Hard Scrabble claim (and other localities)

- USA: NMNH-Washington - Type: HT/T: 136417 (don. U.S.Geol.Surv., RC Erd, 1977) and 147960 (don. U.S.Geol.Surv., RC Erd, 1981 - Debely mine - on same specimen with and filed under nobleite)

Graeserite

Krzemnicki MS and Reusser E: *Can.Min.*(1998) 36, 1083-1088

Switzerland - Wallis - Binntal - Gorb

- Switzerland: NMBA-Basel - Type: T: Number of the type specimen is lacking
- P Berlepsch and T Armbruster in: Schweiz.Min.Petr.Mitt.(1998) 78, 1-9 (structure)*

Graftonite

Penfield SL: *Zeitschr.Kryst.Min.*(1900) 32, 433-445

USA - New Hampshire - Grafton County - Grafton (5 mls W of) - Melvin Mountain

- USA: NMNH-Washington - Type: T: C04037 (Canfield coll., 1927) and R05183 (Roebing coll., 1927)

Grandidierite

Lacroix A: Bull.Soc.fr.Min.(1902) 25, 86

Madagascar - (South) - Andrahomana - Fort Dauphin

- France: MHN-Paris - Type: HT: 102.148 (don. F Allmand = HT of A Lacroix)

In granite

Grandreefite

Kampf AR, Dunn PJ, Foord EE: Amer.Min.(1989) 74, 927-933

USA - Arizona - Graham County - Aravaipa mining district, Klondyke (6km NE of), Laurel Canyon - Grand Reef mine

- USA: LACMNH-Los Angeles - Type: HT: 33608
- USA: NMNH-Washington - Type: HT (part of): 166055 (don. LACMNH, AR Kampf)

Grantsite

Weeks AD, Lindberg ML, Meyrowitz R: U.S.Geol.Surv.,Prof.Paper (1961) 424B, p. 293

USA - New Mexico - Valencia County - Grants - F-33 mine

- USA: NMNH-Washington - Type: T: 121956 (don. U.S.Geol.Surv., 1969)

Second TL = Colorado, Uravan district.

Gratonite

Palache C, Fisher DJ, Rust GW: Amer.Min.(1939) 24, 136 (preliminary descript.)

Peru - Junin Dep. - Cerro de Pasco - Excelsior mine (1400 level)

- USA: HMM-Cambridge - Type: T: 94611 (from Ward's Nat.Sci. Establishment, 1938)

On the outer fringes of an ore body.

Grattarolaite

Cipriani C, Mellini M, Pratesi G, Viti C: Eur.J.Mineral.(1997) 9, 1101-1106

Italia - Toscana - Firenze, Upper Arno River Valley - Firenze (30km SE of) - Santa Barbara lignite mine

- Italy: MMUFI-Firenze - Type: T: 2087/RI

Gravegliaite

Basso R, Lucchetti G, Palenzona A: Zeit.Krist.(1991) 197, 97-106

Italia - Liguria - Genova - Reppia/Graveglia (NE of Lavagna) - Gambatesa mine

- Italy: IMUGe-Genova - Type: HT/CT:

Grechishchevite

Vasil'ev VI, Usova LV, Pal'chik NA: Geol.Geofiz.(1989) 30, n7, 61-69

Russia - Tuva A.R. - Kadyrel and Arzak occurrences

- Russia: CSGM-Novosibirsk - Type: :
- Russia: FMM-Moscow - Type: T: 87988/90
- Russia: MM-St.Petersburg - Type: T: 503/1, 503/2

Hydrothermal

Greenalite

Leith CK: U.S.Geol.surv.,Monogr.43 (1903) pp. 14,101,239 (102-115?)

USA - Minnesota - St. Louis County - Mesabi iron-bearing district - (as a constituent of sedimentary rocks)

- USA: NMNH-Washington - Type: T: 124953 (part of the BM 1909,342-specimen) and 091160 (don. Univ. Wisconsin, thru CK Klein, 1921)
- United Kingdom: NHM-London - Type: T: BM 1909,342

Greigite

Skinner BJ, Erd RC, Grimaldi FS: Amer.Min.(1964) 49, 543-555

USA - California - San Bernardino County - Kramer-Four Corners area (drill cores)

- USA: NMNH-Washington - Type: CT/T: 136415 (don. U.S.Geol.Surv., RC Erd, 1977; hole no. 5, 1344'- 1348' level) and 117502 (don. U.S.Geol.Surv., 1964)

Griceite

van Velthuizen J, Chao GY: Can.Min.(1989) 27, 125-127

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

- Canada: CMN-Ottawa - Type: CT: 52310/13 (few mg on matrix and fragments)
- Canada: ROM-Toronto - Type: CT: M43055 (a few mg, and one x-ray spindle)

Griffithite

Larsen ES, Steiger G: Min.Mag.(1917) 18, 380

USA - California - Los Angeles County - Griffith Park

- USA: NMNH-Washington - Type: T: 093241 (don. U.S.Geol.Surv., RT Hill, 1917) and R04603 (Roebbling coll., 1927)
- United Kingdom: NHM-London - Type: CT: BM 1923,1023

Griffithite is a discredited species = ferroan saponite

Grimaldiite

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

Grimselite

Walenta K: Schweiz.Min.Petr.Mitt.(1972) 52, 93-108

Switzerland - Bern - Grimsel area, Oberhasli - Gerstenegg-Sommerloch gallery (2190m from Gerstenegg)

- Germany: IMKU-Stuttgart - Type: T: Number of the type specimen is lacking

Griphite

Headden WP: Amer.J.Sci.,3rd ser.(1891) 41, 415-417

USA - South Dakota - Pennington County - Black Hills, Harney City - Riverton lode

- USA: NMNH-Washington - Type: T: R05315 (Roebbling coll., 1927)

Compare D McConnell in: Amer.Min.(1942) 27, 452-461

Grischunite

Graeser S, Schwander H, Suhner B: Schweiz.Min.Petr.Mitt.(1984) 64,

Switzerland - Graubünden - Oberhalbstein - Falotta (Mn-mine)

- Switzerland: NMBA-Basel - Type: HT/CT: MB19295 (1 sample, several xx to appr. 1mm)

Grossite

Weber D and Bischoff A: Eur.J.Min.(1994) 6, 591-594

Israel - Hatrurim Formation

- Germany: IP-Münster - Type: T: (meteoritic)
- Germany: MNHU-Berlin - Type: T: (meteoritic)

The mineral is also found in chondritic meteorites: Acfer 182, ALH85085, Acfer 059-El Djouf 001,

Grossular

Werner GA: "Handbuch der Mineralogie" by CAS Hofmann,(1811) 1, 479

Russia - Yakutiya - Viluyuy river basin - Akhtaragada river, Chernyshevsky town (near)

- Germany: BAF-Freiberg - Type: HT: 24421 (14 samples)

Grothine

Zambonini F: *Min.Mag.*(1913) 17, 351

Italia - Campania - Salerno - Salerno (NW of) - Nocera, Tufare di Friano

- USA: NMNH-Washington - Type: T: R04347 (Roebbling coll., 1927)
- United Kingdom: NHM-London - Type: T: 1927,926 (1 sample)

Discredited name, syn of Norbergite, JS White in: Min.Rec.(1981) 12, 377

Groutite

Gruner JW: *Amer.Min.*(1945) 30, 169

USA - Minnesota - Crow Wing County - Cuyuna range, Irontown (W of) - Sagamore Mangan no. 2 and Mahnomen pits

- United Kingdom: NHM-London - Type: CT: BM 1948,106
- USA: NMNH-Washington - Type: T: 105004 (don. JW Gruner, Univ. Minnesota, 1944)

Grumantite

Khomyakov AP, Korobitsyn MF, Kurova TA, Cherepivskaya GE: *ZVMO*,(1987) 116, 244-248

Russia - Kola Peninsula - Lovozero massif - Alluaiv Mt.

- Russia: FMM-Moscow - Type: T: 87576
- Russia: GIKB-Apatity - Type: T: 5924
- Russia: UDG-St.Petersburg - Type: T: 17070
- Russia: MM-St.Petersburg - Type: T: 2065/1-2

In ultra agpaitic pegmatites

Grumiplucite

Orlandi P, Dini A: *Can.Min.*(1998) 36, 1321-1326

Italia - Toscana - Lucca - Alpi Apuane, Massa (12km E of) - Levigliani mercury deposit

- Italy: MSNU-Pisa - Type: T: 4262

Gruzdevite

Spiridonov EP, Krapiva LYa, Gapeev AK, Stepanov VI, Prushinskaya EYa, Volgin VYu: *DAN-SSSR*,(1981) 261, 971-976

Kyrgystan - Chauvai Sb-Hg deposit

- Russia: FMM-Moscow - Type: :

Guarinoite

Sarp H: *Archives des Sciences Genève*,(1993) 46(1), 37-44

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

- Switzerland: MHN-Genève - Type: HT: 435/85

Guettardite

Jambor JL: *Can.Min.*(1967) 9, 191-213

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

- Canada: GSC-Ottawa - Type: CT: 12167 (pol. section), 12173
- Canada: ROM-Toronto - Type: CT: M35890/1 (pol. section)

Guildite

Lausen C: *Amer.Min.*(1928) 13, 203-229

USA - Arizona - Yavapai County - Jerome - United Verde mine

- France: ENSM-Paris - Type: T: (part of NMNH no. 95950; 1976)
- USA: HMM-Cambridge - Type: T: 90540 (don. Univ. Arizona)
- USA: NMNH-Washington - Type: T: 095950 (don. C Lausen, 1929)

Formed by the burning of the pyritic ore in the mine.

Guilleminite

Pierrot R, Toussaint J, Verbeek T: Bull.Soc.fr.Min.Crist.(1965) 88, 132-135

Zaire - Shaba - Kolwezi - Musonoi open pit

- France: ENSM-Paris - Type: HT:
- USA: NMNH-Washington - Type: CT: 119.360

Gunningite

Jambor JL, Boyle RW: Can.Min.(1962) 7, 209-218

Canada - Yukon Territory (central) - Galena Hill area, Keno Hill - Hector-Calumet mine (650-ft. level)

- Canada: GSC-Ottawa - Type: HT: 12139 (a few mg)

Gupeiite

Xu Zuxiang: Acta Petrologica Minineralogica Analytica (1984) 3, 231-238

China - Yanshan area ('cosmic dust' in placers)

- China: IG-CAGS-Beijing - Type: CT:

Compare Xifengite

Gustavite

Karup-Moller S: Can.Min.(1970) 10, 173-190

Greenland - South Greenland - Ivigtut (Ivittuut) - Ivigtut Cryolite deposit / mine

- Denmark: GMK-Copenhagen - Type: HT, CT: 1973.188 (Numerous samples and polished sections)

Gutkovaite-Mn

Pekov IV, Chukanov NV, Rastsvetaeva RK, Zadov AE, Konokova NN: ZVMO (2002) 131/2, 51-57

Russia - Kola Peninsula - Khibiny alkaline massif - Maly Mannepakhk Mt.

- Russia: FMM-Moscow - Type: T:

Guyanaite

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

Gwihabaite

Martini JEJ: Bull. South African Speleological Assoc.(1996) 36, 19-21

Botswana - Kalahari basin - Maun (280km W of) - Gwihaba Cave

- South Africa: TMSA-Pretoria - Type: HT:

As efflorescences on the wall and earthy floor of the bat-inhabited cave in a dolomite hill.

Gysinite-(Nd)

Sarp H, Bertrand J: Amer.Min.(1985) 70, 1314-1317

Zaire - Shaba - Likasi - Kasompi copper mine

- Switzerland: MHN-Genève - Type: HT: 410/85 and 435/60

Mineral association of the HT specimen is characteristic from Kasompi and not from Shinkolobwe as mentioned by the authors in their original paper