A to Z List

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A Index of Mineral Species

This alphabetical listing of **A minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Ab0 * (see Anorthite)
Ab100 * (see Albite)
Ab20 * (see Bytownite)
Ab40 * (see Labradorite)
Ab60 * (see Andesine)
Ab80 * (see Oligoclase)
Abelsonite Ni++C31H32N4 NAME ORIGIN: Named after Philip H. Abelson, president, the Carnegie Institution, Washington, DC, a pioneer in organic geochemistry.
Abenakiite-(Ce) Na26REE6(SiO3)6(PO4)6(CO3)6(S++++O2)O NAME ORIGIN: For the Abenaki Indian tribe, which inhabited the area around Mont Saint-Hilaire.

Abernathyite K(UO2)(AsO4)·4(H2O) NAME ORIGIN: Named for Jess Abernathy, Moab, Utah, mine owner who found the first specimens.
Abhurite Sn3O(OH)2Cl2 NAME ORIGIN: Named for its locality. LOCALITY: Sharm Abhur, a cove in the Red Sea, Saudi Arabia, Jiddah, Red Sea
Abrazite * (see Gismondine) See Also: GOOGLE, Athena, MinDAT, MinMax
Abrazite * (see Phillipsite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Abrazite * (see Phillipsite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Abrazite * (see Phillipsite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Abswurmbachite Cu++Mn+++6SiO12 NAME ORIGIN: Named for Irmgard Abs-Wurmbach (1938-), German mineralogist.
Abukumalite * (see Britholite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Acadialite * (see Chabazite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Acanthite Ag2S NAME ORIGIN: From the Greek, akanta, meaning "arrow." After the Latin, argentum, meaning "silver". Argentite is stable above 179 C. Acanthite is stable below 179 deg. C.
Acetamide CO(CH3)(NH2) NAME ORIGIN: For ACETic acid and AMIDE, for ammonia in its composition.
Achavalite * FeSe
Achavalite * (see Ferroselite) See Also: GOOGLE, Athena, MinDAT, MinMax
Achiardite * (see Dachiardite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Achiardite * (see Dachiardite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Achroite - colorless * (see Elbaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Acicular iron ore * (see Goethite) See Also: GOOGLE, Athena, MinDAT, MinMax
Acmite * (see Aegirine) See Also: GOOGLE, Athena, MinDAT, MinMax
Actinolite Ca2(Mg,Fe++)5Si8O22(OH)2 NAME ORIGIN: From the Greek, aktinos, meaning "ray" in allusion to actinolite's fibrous nature.
Acuminite SrAlF4(OH)·(H2O) NAME ORIGIN: From the Latin acuminis, sharp point, for spear head, the characteristic shape of the crystals.
Adamite Zn2(AsO4)(OH) NAME ORIGIN: Named after the French mineralogist Gilbert Joseph Adam (1795-1881).
Adamsite-(Y) ! NaY(CO3)2·6(H2O) NAME ORIGIN: Named for Professor Frank Dawson Adams (1859-1942) of McGill University, Montreal, Quebec.
Adelite CaMg(AsO4)(OH) NAME ORIGIN: From the Greek for indistinct, for its occurrence as massive.
Adipite * (see Chabazite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Admontite MgB6O10·7(H2O) NAME ORIGIN: For Admont, Austria, near the original locality. LOCALITY: Austria, Schidmaur, near Admont
Adularia * (see Orthoclase) See Also: GOOGLE, Athena, MinDAT, MinMax
Aedelforsite * (see Laumontite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aedelforsite * (see Stilbite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Aedelforsite * (see Stilbite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Aedelite * (see Natrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aegirine NaFe+++Si2O6 NAME ORIGIN: Named after the Teutonic god of the sea. Acmite is from the Greek "point" in allusion to the pointed crystals.
Aegirine-augite * (Ca,Na)(Mg,Fe++,Fe+++)[Si2O6] NAME ORIGIN: Name derived from its intermediate pyroxene composition. This is not an end-member species.
Aenigmatite Na2Fe++5TiSi6O20 NAME ORIGIN: From the Greek for riddle, apparently an allusion to its (formerly) uncertain chemical composition.

Aerinite (Ca,Na)6FeAl(Fe++,Mg)2(Al,Mg)6[Si12O36(OH)12H][(H2O)12(CO3)] NAME ORIGIN: Named from the Greek root "aer-", alluding to atmosphere or sky and hence the color, sky blue.
Aerugite ([ ],Ni)9(AsO4)2(AsO6) (?) NAME ORIGIN: Named from the Greek for 'copper rust', in allusion to its appearance.
Aeschynite-(Ce) (Ce,Ca,Fe)(Ti,Nb)2(O,OH)6 NAME ORIGIN: Named for its composition and from the Greek for "shame," in allusion to the inability of chemists, at the time of its discovery, to separate some of its constituents.
Aeschynite-(Nd) (Nd,Ce)(Ti,Nb)2(O,OH)6 NAME ORIGIN: Named for its composition and from the Greek for "shame," in allusion to the inability of chemists, at the time of its discovery, to separate some of its constituents.
Aeschynite-(Y) (Y,Ca,Fe)(Ti,Nb)2(O,OH)6 NAME ORIGIN: Named for its composition and from the Greek for "shame," in allusion to the inability of chemists, at the time of its discovery, to separate some of its constituents.
Afghanite (Na,Ca,K)8(Si,Al)12O24(SO4,Cl,CO3)3·(H2O) NAME ORIGIN: From its locality. LOCALITY: Sar-e-Sang luzurite deposit in Afghanistan.
Afwillite Ca3Si2O4(OH)6 NAME ORIGIN: For Alpheus Fuller Williams (1874-1953), General Manager, DeBeers Consolidated Mines, Kimberley, South Africa.
Agardite-(Ca) ! CaCu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named for the composition and for Jules Agard, Geologist, Bureau de Recherches Geologiques et Minieres, Orleans, France.
Agardite-(Ce) ! (Ce,Ca)Cu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named as the Ce-dominant analog of agardite-(La) and agardite-(Y).
Agardite-(Dy) ! (Dy,La,Ca)Cu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named for the composition and for Jules Agard, Geologist, Bureau de Recherches Geologiques et Minieres, Orleans, France.
Agardite-(La) ! (La,Ca)Cu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named for the composition and for Jules Agard, Geologist, Bureau de Recherches Geologiques et Minieres, Orleans, France.
Agardite-(Nd) ! (Pb,Nd,Y,La,Ca)Cu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named for the composition and for Jules Agard, Geologist, Bureau de Recherches Geologiques et Minieres, Orleans, France.
Agardite-(Y) (Y,Ca)Cu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named for the composition and for Jules Agard, Geologist, Bureau de Recherches Geologiques et Minieres, Orleans, France.
Agate - banded variety of chaledony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Agnolite * (see Inesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Agrellite NaCa2Si4O10F NAME ORIGIN: Named for Stuart O. Agrell, British mineralogist, Cambridge University.
Agrinierite (K2,Ca,Sr)U3O10·4(H2O) NAME ORIGIN: Named for Henri Agrinier (1928-1971), an engineer in the Mineralogy Laboratory if the French Atomic Energy Commission, Paris, France.
Aguilarite Ag4SeS NAME ORIGIN: Named for Ponciano Aguilar (1853-1935), superintendent of the San Carlos mine, Guanajuato, where the mineral was found.
Aheylite (Fe++,Zn)Al6(PO4)4(OH)8·4(H2O) NAME ORIGIN: Named for Allen V. Heyl (1918-), economic geologist, U. S. Geological Survey.
Ahlfeldite (Ni,Co)SeO3·2(H2O)

Aikinite PbCuBiS3 NAME ORIGIN: For Dr. Arthur Aikin (1773-1854), a founder and long-time Secretary of the Geological Society of London, England.
Ajoite (K,Na)3Cu20Al3Si29O76(OH)16·~8(H2O) NAME ORIGIN: Named for the locality. LOCALITY: New Cornelia mine, Ajo, Pima County,, Arizona, USA.
Akaganeite Fe+++(O,OH,Cl) NAME ORIGIN: Named for the locality. LOCALITY: Akagane mine, Iwate Prefecture, Japan.
Akatoreite (Mn++,Fe++)9Al2Si8O24(OH)8 NAME ORIGIN: Named for the locality. LOCALITY: In New Zealand, three km south of Akatore Creek, east Otago, South Island. From Norberg, Sweden.
Akdalaite (Al2O3)4·(H2O) NAME ORIGIN: Named for the Kazakh name for the locality. LOCALITY: Solvech fluorite deposit, Karaganda region, Kazakhstan, Akdala.
Akermanite Ca2MgSi2O7 NAME ORIGIN: For Anders Richard Akerman (1837-1922), Swedish metallurgist.
Akhtenskite Mn++++O2 NAME ORIGIN: For the Akhtensk deposit, Russia, where it was first noted.
Akimotoite ! (Mg,Fe)SiO3 NAME ORIGIN: Named after Syun-iti Akimoto (b. 1925), of the Institute of Geophysics and Solid State Physics, University of Tokyo, specialist in high-pressure research, especially on phase relationship
Akrochordite Mn4Mg(AsO4)2(OH)4·4(H2O) NAME ORIGIN: From the Greek for wart, for its typical habit.
Aksaite MgB6O7(OH)6·2(H2O)
Aktashite Cu6Hg3As4S12 NAME ORIGIN: Named after the locality. LOCALITY: Gal-Kyaya deposit, Yakutia, and Aktash deposit, Altai Mts., Russia.
Akyltetrahrdrophenanthrene * (see Simonellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Alabandite MnS NAME ORIGIN: Named after its locality Alabanda, Turkey. LOCALITY: Turkey, Aydin, Alabanda
Alabaster * (see Gypsum) See Also: GOOGLE, Athena, MinDAT, MinMax
Alacranite As8S9 NAME ORIGIN: For the occurrence in the Alacran deposit, Chile.
Alamosite PbSiO3 NAME ORIGIN: For the Mexican type locality at Alamos. LOCALITY: From Mexico, in Sonora, at Alamos, and the San Pascual mine, Zimpan, Hidalgo. In the USA, from Arizona, in the Mammoth-St. Anthony mine, at Tiger, Pinal Co., the Lucky Cuss mine, Tombstone,
Alarsite ! AlAsO4 NAME ORIGIN: Named from its chemical composition of Aluminum and Arsenic.
Albite NaAlSi3O8 NAME ORIGIN: From the Latin, albus, in allusion to the common color.
Albrechtschraufite Ca4Mg(UO2)2(CO3)6F2·17(H2O)
Aldermanite Mg5Al12(PO4)8(OH)22·32(H2O) NAME ORIGIN: Named for Arthur Richard Alderman (1901-1980), Mineralogist and petrologist, University of Adelaide, SA, Australia.
Aldzhanite ? CaMgB2O4Cl·7(H2O) (?)
Aleksite PbBi2Te2S2 (?) NAME ORIGIN: Named after the locality. LOCALITY: In the Alekseev mine, Sutemskii region, Stanovoi Range, Russia.
Alexandrite - green * (see Chrysoberyl) See Also: GOOGLE, Athena, MinDAT, MinMax
Alforsite Ba5(PO4)3Cl NAME ORIGIN: To honor Dr. John T. Alfors (1930-), geologist, California Division of Mines, for his work on the type locality. LOCALITY: From Big Creek and Rush Creek, Fresno Co., and on Trumbull Peak,

near Incline, Marisopa Co., California, USA.
Algodonite Cu6As NAME ORIGIN: Named for the locality. LOCALITY: Chile, Algodones silver mn, Coquimbo
Aliettite [Mg3Si4O10(OH)2] (Ca0.5,Na)0.33(Al,Mg,Fe++)2-3(Si,Al)4O10(OH)2·n(H2O) NAME ORIGIN: Named for Andrea Alietti (1923-), clay mineralogist.
Allabogdanite ! (Fe,Ni)2P NAME ORIGIN: Named for Alla Bogdanova, Geological Institute, Kola Science Centre of Russian Academy of Sciences.
Allactite Mn7(AsO4)2(OH)8 NAME ORIGIN: From the Greek, to change, a reference to the strong pleochroism.
Allanite-(Ce) (Ce,Ca,Y)2(Al,Fe+++)3(SiO4)3(OH) NAME ORIGIN: Named after the Scottish mineralogist, T. Allan (1777-1833).
Allanite-(La) ! Ca(REE,Ca)Al2(Fe++,Fe+++)(SiO4)(Si2O7)O(OH) NAME ORIGIN: Named after the Scottish mineralogist, T. Allan (1777-1833).
Allanite-(Y) (Y,Ce,Ca)2(Al,Fe+++)3(SiO4)3(OH) NAME ORIGIN: Named after the Scottish mineralogist, T. Allan (1777-1833).
Allargentum Ag1-xSbx(x=0.009-0.16) NAME ORIGIN: Named from the Greek for 'another' and the Latin 'argentum'.
Alleghanyite Mn5(SiO4)2(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Bald Knob, Alleghany Co., North Carolina, USA.
Allemontite * (see Stibarsen) See Also: GOOGLE, Athena, MinDAT, MinMax
Alloclasite (Co,Fe)AsS NAME ORIGIN: From the Greek for "other", and "to break," because its cleavage was believed to be different from marcasite, which it resembles.
Allophane Al2O3·(SiO2)1.3-2·((H2O))2.5-3 NAME ORIGIN: From the Greek allos - "other" and phanos - "to appear."
Alluaivite Na19(Ca,Mn++)6(Ti,Nb)3(Si3O9)2(Si10O28)2Cl·2(H2O) NAME ORIGIN: For its occurrence on Mt. Alluaiv, Kola Peninsula, Russia.
Alluaudite NaCaFe++(Mn,Fe++,Fe+++,Mg)2(PO4)3 NAME ORIGIN: Named for Francois Alluaud, mining engineer of Limoges, France, who discovered the mineral.
Almandine Fe++3Al2(SiO4)3 NAME ORIGIN: Named after its locality. LOCALITY: Alabanda in Asia Minor.
Almandite * (see Almandine) See Also: GOOGLE, Athena, MinDAT, MinMax
Almarudite ! K([ ],Na)2(Mn,Fe,Mg)2(Be,Al)3[Si12O30] NAME ORIGIN: After the authors' hosting and supporting institution, "Universität Wien", and is derived from the university's proper name "ALma MAter RUDolphina".
Almbosite ? Fe++5Fe+++4V+++++4Si3O27
alpha vrendenbergite * (see Iwakiite) See Also: GOOGLE, Athena, MinDAT, MinMax
Alsakharovite-Zn ! NaSrKZn(Ti,Nb)4(Si4O12)2(O,OH)4·7(H2O) NAME ORIGIN: Named for Aleksey S. Sakharov (1910-1996), Russian geologist who studied the Lovozero alkaline massif.
Alstonite BaCa(CO3)2 NAME ORIGIN: Named after the locality. LOCALITY: Brownley Hill lead mine, Alston, Cumberland and Fallowfield lead mine hear Hexham, Northcumberland, England.
Altaite PbTe NAME ORIGIN: Named after its locality. LOCALITY: Ziryanovsk in the Altai Mountains, Siberia.
Althausite Mg2(PO4)(OH,F,O) NAME ORIGIN: To honor Professor Egon Althaus (1933-), Karlsruhe University, Karlsruhe, Germany.

Althupite ThAl(UO2)7(PO4)4(OH)5·15(H2O) NAME ORIGIN: For the major cations in the composition, Aluminum, Thorium, Uranium, Phosphorus.
Altisite Na3K6Ti2Al2Si8O26Cl3 NAME ORIGIN: Name for the elements Al, Ti, and Si in the composition.
Altmarkite * (see Leadamalgam) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminilite * (see Alunite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminite Al2(SO4)(OH)4·7(H2O) NAME ORIGIN: Named after its chemical composition.
Aluminium * (see Aluminum) See Also: GOOGLE, Athena, MinDAT, MinMax
Alumino-magnesiohulsite ! Mg2(Al,Mg,Sn)(BO3)O2 NAME ORIGIN: Named as the Al and Mg dominant member of the hulsite group.
Aluminobarroisite ! [ ]CaNaMg3Al2(Si7Al)O22(OH)2 NAME ORIGIN: Named as the aluminum member of the barriosite group.
Aluminoceladonite ! KAl(Mg,Fe++)[ ]Si4O10(OH)2
Aluminocopiapite Al2/3Fe+++4(SO4)6O(OH)2·20(H2O)
Aluminoferrobarroisite ! [ ]CaNa(Fe2+)3Al2(Si7Al)O22(OH)2
Aluminoferrohornblende * (see Ferrohornblende) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminoferrotschermakite ! [ ]Ca2(Fe2+)3Al2(Si6Al2)O22(OH)2 NAME ORIGIN: Named for its composition and for Gustav Tschermak von Sessenegg (1836-1927), Austrian mineralogist.
Aluminokatophorite * (see Katophorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminomagnesiohornblende * (see Magnesiohornblende) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminomagnesiotaramite ! NaCaNaMg3Al2[Si6Al2O22](OH)2 NAME ORIGIN: Named after the chemical composition and the locality. LOCALITY: Wali-tarama, Mariupol, Ukraine.
Aluminotaramite * (see Taramite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminotschermakite * (see Tschermakite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminowinchite * (see Winchite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aluminum Al NAME ORIGIN: From the Latin, alumen = "alum."
Aluminum Sulfate * (see Alunogen) See Also: GOOGLE, Athena, MinDAT, MinMax
Alumohydrocalcite CaAl2(CO3)2(OH)4·3(H2O) NAME ORIGIN: Named after its chemical composition.
Alumoklyuchevskite K3Cu3AlO2(SO4)4 NAME ORIGIN: It is the aluminum dominant analog of klyuchevskite.
Alumopharmacosiderite KAl4(AsO4)3(OH)4·6·5(H2O) NAME ORIGIN: As the ALUMinum analog of "pharmacosiderite."
Alumotantite AlTaO4 NAME ORIGIN: For ALUMinum and TANTalum in the composition.
Alumotungstite (W,Al)(O,OH)3 (?) NAME ORIGIN: Named for the composition.
Alunite KAl3(SO4)2(OH)6 NAME ORIGIN: From the Latin alunit, meaning "alum."
Alunogen Al2(SO4)3·17(H2O) NAME ORIGIN: From the Latin alumen ="alum" and the Greek genos ="origin."
Alushtite * (see Tosudite) See Also: GOOGLE, Athena, MinDAT, MinMax
Alvanite (Zn,Ni)Al4(VO3)2(OH)12·2(H2O)
Amakinite (Fe++,Mg)(OH)2 NAME ORIGIN: Named for the Amakin Expedition, which prospected the Yakutain diamond deposits.

Amalgam * Ag2Hg3
Amarantite Fe+++(SO4)(OH)·3(H2O)
Amarillite NaFe+++(SO4)2·6(H2O)
Amazonstone - green * (see Microcline) See Also: GOOGLE, Athena, MinDAT, MinMax
Amber * [C,H,O]
Amblygonite (Li,Na)Al(PO4)(F,OH) NAME ORIGIN: From the Greek amblys - "blunt" and goni - "angle."
Ameghinite NaB3O3(OH)4
Amesite Mg2Al(SiAl)O5(OH)4 NAME ORIGIN: Honors James Ames, a mine owner.
Amethyst - purple * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Amianthus * (see Parachrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Amicite K2Na2Al4Si4O16·5(H2O) NAME ORIGIN: To honor Giovan Battista, Amici (1786-1863), physicist, optician, and inventor of microscope optical elements.
Aminoffite Ca3Be2Si3O10(OH)2 NAME ORIGIN: Named for Gregori Aminoff (1993-1947), Swedish Mineralogist and crystallographer.
Ammonia alum * (see Tschermigite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ammonian arcanite * (see Arcanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ammonioalunite (NH4)Al3(SO4)2(OH)6 NAME ORIGIN: Named for its composition (Ammonia, Al,).
Ammonioborite (NH4)2B10O16·5(H2O)
Ammoniojarosite (NH4)Fe+++3(SO4)2(OH)6
Ammonioleucite (NH4,K)AlSi2O6 NAME ORIGIN: For "ammonia" in its chemical composition and its relation to "leucite."
Amosite * (see Grunerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Amphigene * (see Leucite) See Also: GOOGLE, Athena, MinDAT, MinMax
Amstallite CaAl(Si,Al)4O8(OH)4·((H2O),Cl) NAME ORIGIN: For the locality. LOCALITY: In the Amstall graphite quarry, Amstall, Austria.
An0 * (see Albite)
An100 * (see Anorthite)
An20 * (see Oligoclase)
An40 * (see Andesine)
An60 * (see Labradorite)
An80 * (see Bytownite)
Analcidite * (see Analcime) See Also: GOOGLE, Athena, MinDAT, MinMax
Analcime NaAlSi2O6·(H2O) NAME ORIGIN: From the Greek word meaning weak, referring to a weak electrical charge developed on rubbing.
Analcite * (see Analcime) See Also: GOOGLE, Athena, MinDAT, MinMax
Analzim * (see Analcime) See Also: GOOGLE, Athena, MinDAT, MinMax
Anandite (Ba,K)(Fe++,Mg)3(Si,Al,Fe)4O10(S,OH)2 NAME ORIGIN: Named for Ananda Kentish Coomaraswamy (1877-1947), first director of the Mineral Survey of Ceylon (Sri Lanka).
Anapaite Ca2Fe++(PO4)2·4(H2O) NAME ORIGIN: For its discovery near Anapa, Russia.
Anatase TiO2 NAME ORIGIN: From the Greek, anatasis - "elongation."
Ancylite-(Ce) SrCe(CO3)2(OH)·(H2O) NAME ORIGIN: Named for the composition and from the Greek "curved," in allusion to the rounded and distorted character of the crystals.

Ancylite-(La) ! Sr(La,Ce)(CO3)2(OH)·(H2O) NAME ORIGIN: Named for the composition and from the Greek "curved," in allusion to the rounded and distorted character of the crystals.
Andalusite Al2SiO5 = Al[6]Al[5]OSiO4 NAME ORIGIN: Named after its locality. LOCALITY: Andalucia (Spain), an early but now unimportant location.
Andersonite Na2Ca(UO2)(CO3)3·6(H2O) NAME ORIGIN: Named for Charles Alfred Anderson (1902-1990), U. S. Geological Survey.
Andesine * (Na,Ca)(Si,Al)4O8 NAME ORIGIN: Named after its locality. LOCALITY: Andes Mountains, South America.
Andorite PbAgSb3S6 NAME ORIGIN: For Andor von Semsey (1833-1923), a Hungarian nobleman, who was also an amateur mineralogist.
Andradite Ca3Fe+++2(SiO4)3 NAME ORIGIN: Andradite is named after the Brazilian mineralogist J. B. de Andrada e Silva (1763-1838). Demantoid is named after its adamantine luster.
Andreasbergolite * (see Harmotome) See Also: GOOGLE, Athena, MinDAT, MinMax
Andremeyerite BaFe(Fe++,Mn,Mg)Si2O7 NAME ORIGIN: For Andre Marie Meyer (1890-), Belgian geologist with the Geological Survey of the Belgian Congo, who first collected the mineral.
Andreolite * (see Harmotome) See Also: GOOGLE, Athena, MinDAT, MinMax
Andrewsite * (see Chalcosiderite) See Also: GOOGLE, Athena, MinDAT, MinMax
Andrewsite * (see Hentschelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Andrewsite * (see Rockbridgeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Androsite-(La) ! (Mn,Ca)(La,Ce,Ca,Nd)AlMn+++Mn++(SiO4)(Si2O7)O(OH) NAME ORIGIN: Named after its discovery locality. LOCALITY: Found in a manganese-rich silicate-carbonate rock, Petalon Mountain, Andros Island, Cyclades, Greece.
Anduoite (Ru,Os)As2 NAME ORIGIN: For the Chinese locality at Anduo. LOCALITY: From Anduo, Tibet, China.
Andyrobertsite ! KCdCu5(AsO4)4[As(OH)2O2]·2(H2O) NAME ORIGIN: Named after Andrew C. Roberts (1950-), mineralogist with the Geological Survey of Canada, specialist in documentation of new mineral species, in particular from low-temperature secondary
Angelaite ! Cu2AgPbBiS4 NAME ORIGIN: Named for the locality. LOCALITY: Angela mine, district of Los Manantiales, Gastre, Chubut, Argentine.
Angelellite Fe+++4(AsO4)2O3 NAME ORIGIN: To honor Dr. Victorio Angelelli (1908-), Argentinean mining geologist, Director of the Argentinean Geological Survey.
Anglarite * (see Berthierite) See Also: GOOGLE, Athena, MinDAT, MinMax
Anglesite PbSO4 NAME ORIGIN: Named after the island of Anglesey (Wales, Great Britain).
Anhydrite CaSO4 NAME ORIGIN: From the Greek anhydros, meaning "waterless" (In contrast to Gypsum, which contains water).
Anilite Cu7S4 NAME ORIGIN: For the Ani mine, Japan.
Ankangite Ba(Ti,V+++,Cr+++)8O16 NAME ORIGIN: Named for the locality. LOCALITY: Shiti Barite deposit, Ankang County, Shaanxi Provice, China.
Ankerite Ca(Fe++,Mg,Mn)(CO3)2 NAME ORIGIN: Named after the Styrian (Austrian) mineralogist, Mathias Joseph Anker (1771-1843).
Ankinovichite ! (Ni,Zn)Al4(VO3)2(OH)12(H2O)2.5 NAME ORIGIN: Named for Ekaterina Alexandrovina Ankinovich (1911-1991) and her husband Stepan

Gerasimovitch Ankinovich (1912-1985). Russian mineralogist and geologist.
Ankoleite * (see Meta-ankoleite) See Also: GOOGLE, Athena, MinDAT, MinMax
Annabergite Ni3(AsO4)2·8(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Annaberg, Germany.
Annite KFe++3AlSi3O10(OH,F)2 NAME ORIGIN: For the first noted occurrence at Cape Ann, Massachusetts, USA.
Anorthite CaAl2Si2O8 NAME ORIGIN: From the Greek, an + orthos, "not upright" in allusion to the oblique crystals.
Anorthoclase (Na,K)AlSi3O8 NAME ORIGIN: From the Greek for "oblique" and "fracture," descriptive of the cleavage
Anorthominasragrite ! V++++O(SO4)(H2O)5 NAME ORIGIN: Named for as the triclinic polymorph of minasragrite.
Ansermetite ! MnV2O6·4(H2O) NAME ORIGIN: Named for Stefan Ansermet (1964-), Swiss mineralogist.
Antarcticite CaCl2·6(H2O) NAME ORIGIN: Named after the continent of Antarctica.
Anthoinite AlWO3(OH)3 NAME ORIGIN: Named for Raymond Anthoine (1888-1971), Belgian mining engineer, who wrote on prospecting of alluvial deposits.
Anthonyite Cu(OH,Cl)2·3(H2O) NAME ORIGIN: Named for John W. Anthony (1920-1992), mineralogist, University of Arizona.
Anthophyllite [ ]Mg7Si8O22(OH)2 NAME ORIGIN: From the Latin anthophyllum - "clove" in allusion to the color.
Anthraquinone * (see Hoelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antiedrite * (see Edingtonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antigorite (Mg,Fe++)3Si2O5(OH)4 NAME ORIGIN: Named after its locality. From the Latin, serpens - "snake." LOCALITY: Antigorio, Italy
Antimonite * (see Stibnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antimonpearceite (Ag,Cu)16(Sb,As)2S11 NAME ORIGIN: For its compositional relationship to pearceite.
Antimonselite Sb2Se3 NAME ORIGIN: Names in 1993 for the composition.
Antimonsilver * (see Dyscrasite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antimony Sb NAME ORIGIN: From the Arabic, al-uthmud, to Medieval Latin, antimonium; originally applied to stibnite, the sulfide of antimony.
Antimony bloom * (see Valentinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antimony Glance * (see Stibnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antimony ochre * (see Romeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antitaenite * gamma-Fe3Ni NAME ORIGIN: Named for its opposite anti-ferromagnetism in contrast to the ferromagnetism of taenite.
Antitaenite * (see Taenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Antlerite Cu3(SO4)(OH)4 NAME ORIGIN: Named after its locality. LOCALITY: Antler mine, Mojave Co., Arizona.
Anyolite - green * (see Zoisite) See Also: GOOGLE, Athena, MinDAT, MinMax
Anyuiite Au(Pb,Sb)2 NAME ORIGIN: Named in 1989 for the locality. LOCALITY: Bolshoi Anyui R., Kolyma region, Russia.
Apachite Cu9Si10O29·11(H2O) NAME ORIGIN: Named for the Apache Indians, whose reservation is near the locality. LOCALITY: Christmas Mine, Gila, Arizona, USA.
Apatite * Ca5(PO4)3(OH,F,Cl) NAME ORIGIN: Named in 1788 from the

Greek apatao - "I am misleading."
Apatite * (see Carbonate-fluorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apatite * (see Carbonate-hydroxylapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apatite * (see Chlorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apatite * (see Fluorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apatite * (see Hydroxylapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apatite * (see Strontium-apatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aphthalose * (see Aphthitalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aphthitalite (K,Na)3Na(SO4)2 NAME ORIGIN: Named from the Greek for "unalterable" and "salt" in allusion to its stability in air.
Apjohnite $MnAl_2(SO_4)_4 \cdot 22(H_2O)$
Aplowite $(Co,Mn,Ni)SO_4 \cdot 4(H_2O)$
Apoanalcite * (see Natrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apophyllite * $KCa_4(Si_4O_{10})_2F \cdot 8(H_2O)$ NAME ORIGIN: Named in 1800 from the Greek apophylliso - "it flakes off."
Apophyllite * (see Fluorapophyllite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apophyllite * (see Hydroxyapophyllite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apophyllite * (see Natroapophyllite) See Also: GOOGLE, Athena, MinDAT, MinMax
Apuanite $Fe^{++}Fe^{+++}4Sb^{+++}4O_{12}S$ NAME ORIGIN: Named for the locality. LOCALITY: Buca della Vena mine, northeast of Stazzema, Apuan Alps, Tuscany, Italy.
Aqualite ! $(H_3O)_8(Na,K,Sr)_5Ca_6Zr_3Si_{26}O_{66}(OH)_9Cl$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Aquamarine - blue * (see Beryl) See Also: GOOGLE, Athena, MinDAT, MinMax
Aragonite $CaCO_3$ NAME ORIGIN: Named after its locality. LOCALITY: Aragon (Spain).
Arakiite ! $(Zn,Mn^{++})(Mn^{++},Mg)_{12}(Fe^{+++},Al)_2(AsO_3)(AsO_4)_2(OH)_{23}$ NAME ORIGIN: Named for Dr. Takaharu Araki (1929-), University of Chicago, for his numerous crystal-structure contributions to the science of mineralogy.
Aramayoite $Ag_3Sb_2(Sb,Bi)S_6$ NAME ORIGIN: Named for Felix Avelino Aramayo, former Managing Director of the Compagnie Aramayo de Mines en Bolivie.
Arapovite ! $(U,Th)(Ca,Na)_2(K_{1-x}[\ ]_x)Si_8O_{20}$, x~0.5 NAME ORIGIN: Presumably named for the locality. LOCALITY: Moraine of the Dara-i-Pioz glacier, the Alai mountain ridge, Tien-Shan Mountains, northern Tajikistan.
Aravaipaite $Pb_3AlF_9 \cdot (H_2O)$ NAME ORIGIN: Named for the Aravaipa mining district.
Arcanite K_2SO_4
Archerite $(K,NH_4)H_2PO_4$ NAME ORIGIN: Honors Dr. Michael Archer (1945-), Curator of Mammals, Queensland Museum, Brisbane, Australia, who discovered the first specimens.
Arctite $Na_2Ca_4(PO_4)_3F$ NAME ORIGIN: Named for the arctic region where it was found.
Arcubisite Ag_6CuBiS_4 NAME ORIGIN: Named for the composition (ARgentum, CUprum, and BISmuth).
Ardaite $Pb_{19}Sb_{13}S_{35}Cl_7$ NAME ORIGIN: Named for the locality. LOCALITY: Madjarovo, Arda River, Bulgaria.
Ardealite $Ca_2(SO_4)(HPO_4) \cdot 4(H_2O)$ NAME ORIGIN: From "Ardeal," the old Romanian name for Transylvania.

Ardennite (Mn++,Ca,Mg)4(Al,Mg,Fe)6(SiO4)2(Si3O10)(AsO4,VO4)(OH)6 NAME ORIGIN: After the locality. LOCALITY: Salmchateau in the Ardennes Mountains, Belgium.
Arduinite * (see Mordenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Arfvedsonite NaNa2(Fe++4Fe+++)Si8O22(OH)2 NAME ORIGIN: Named after the Swedish chemist, J. A. Arfvedson (1792-1841).
Argentite * Ag2S NAME ORIGIN: After the Latin, argentum, meaning "silver". From the Greek, akanta, meaning "arrow." Argentite is stable above 179 C. Acanthite is stable below 179 C.
Argentojarosite AgFe+++3(SO4)2(OH)6 NAME ORIGIN: Named for the silver content and relationship to jarosite.
Argentopentlandite Ag(Fe,Ni)8S8 NAME ORIGIN: For the similarity in composition to pentlandite.
Argentopyrite AgFe2S3 NAME ORIGIN: For its composition and physical similarity to pyrite.
Argentotennantite (Ag,Cu)10(Zn,Fe)2(As,Sb)4S13 NAME ORIGIN: For the chemical composition and by analogy to tennantite.
Argutite GeO2 NAME ORIGIN: Named for the locality. LOCALITY: From the Argut deposit, central Pyrenees, Haute-Garonne, France.
Argyrodite Ag8GeS6 NAME ORIGIN: For the Greek for "silver-containing."
Arhbarite Cu2Mg(AsO4)(OH)3 NAME ORIGIN: Named for the locality. LOCALITY: Arhbar mine, Bou-Azzer, Morocco.
Aricite * (see Gismondine) See Also: GOOGLE, Athena, MinDAT, MinMax
Aristarainite Na2MgB12O20·8(H2O)
Arizonite * (see Pseudorutile) See Also: GOOGLE, Athena, MinDAT, MinMax
Armalcolite (Mg,Fe++)Ti2O5 NAME ORIGIN: Named after the three astronauts of Apollo 11: Neil A. ARMstrong, Edwin E. "Buzz" ALdrin, and Michael COLlins.
Armangite Mn26As+++18O50(OH)4(CO3)
Armenite BaCa2Al6Si9O30·2(H2O) NAME ORIGIN: The name origin for Armenite is the type locality. LOCALITY: Armen Mine, Kongsberg, Norway.
Armstrongite CaZrSi6O15·3(H2O) NAME ORIGIN: Named for Neil Alden Armstrong, (1930-), American astronaut, first human being on the moon's surface, Apollo 11 Lunar Mission.
Arnhemite * (K,Na)2Mg2(P2O7)·5(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Arnhem Cave, Namibia.
Arrojadite KNa4CaMn++4Fe++10Al(PO4)12(OH,F)2 NAME ORIGIN: To honor Miguel Arrojado Ribeiro Lisboa (1872-1932), Brazilian geologist.
Arsenbrackebuschite Pb2(Fe++,Zn)(AsO4)2·(H2O) NAME ORIGIN: As the arsenate analog of "brackebuschite."
Arsendescloizite PbZn(AsO4)(OH) NAME ORIGIN: As the arsenate analog of "descloizite."
Arsenic As NAME ORIGIN: From the Greek, Arsenikon, a name originally applied to the mineral orpiment.
Arsenical nickel * (see Nickeline) See Also: GOOGLE, Athena, MinDAT, MinMax
Arsenical pyrite * (see Arsenopyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Arseniopleite (Ca,Na)(Na,Pb)Mn++(Mn++,Mg,Fe++)2(AsO4)3 NAME ORIGIN: Named from the Latin for the element As, and Greek for 'more' because it adds to the number of related minerals already described.

Arseniosiderite Ca2Fe+++3(AsO4)3O2·3(H2O) NAME ORIGIN: For essential "arsenic" in the composition, and "sideros," Greek for "iron."
Arsenobismite ? Bi2(AsO4)(OH)3 NAME ORIGIN: Named in 1916 for it's composition.
Arsenoclasite Mn5(AsO4)2(OH)4 NAME ORIGIN: From "arsenic" and the Greek for "breaking," for its excellent cleavage.
Arsenocrandallite (Ca,Sr)Al3[(As,P)O4]2(OH)5·(H2O) NAME ORIGIN: For "arsenic" in the composition, and relation to "crandallite."
Arsenoflorencite-(Ce) (Ce,La)Al3(AsO4)2(OH)6 NAME ORIGIN: Named as the arsenic analog of florencite and the dominant rare earth element, cerium.
Arsenoflorencite-(La) * (La,Sr)Al3(AsO4,SO4,PO4)2(OH)6 NAME ORIGIN: Named as the arsenic analog of florencite and the dominant rare earth element, Lanthanum.
Arsenoflorencite-(Nd) * (Nd,La,Ce,Ba)(Al,Fe+++)3(AsO4,PO4)2(OH)6 NAME ORIGIN: Named as the arsenic analog of florencite and the dominant rare earth element, Neodymium.
Arsenogorceixite ! BaAl3AsO3(OH)(AsO4,PO4)(OH,F)6 NAME ORIGIN: For its "arsenic" content and relation to "gorceixite."
Arsenogoyazite (Sr,Ca,Ba)Al3(AsO4,PO4)2(OH,F)5·(H2O) NAME ORIGIN: Named for the chemical composition and it's relationship to goyazite.
Arsenohauchecornite Ni18Bi3AsS16 NAME ORIGIN: Alludes to its chemical relation to the hauchecornite group.
Arsenolamprite As NAME ORIGIN: Named for the composition and the Greek for brilliance, in allusion to its luster.
Arsenolite As2O3 NAME ORIGIN: For ARSENic in the composition.
Arsenopalladinite Pd8(As,Sb)3 NAME ORIGIN: Named for its composition.
Arsenopyrite FeAsS NAME ORIGIN: Named after the minerals chemical composition.
Arsenopyromorphite * (see Mimetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Arsenosulvanite Cu3(As,V)S4 NAME ORIGIN: Named for its chemical relationship to sulvanite.
Arsenowaylandite * BiAl3(AsO4)2(OH)6 NAME ORIGIN: Named as the arsenate analog of waylandite.
Arsenpolybasite (Ag,Cu)16(As,Sb)2S11 NAME ORIGIN: For the chemical composition and close relationship to polybasite.
Arsentsumebite Pb2Cu(AsO4)(SO4)(OH) NAME ORIGIN: As the "arsenate" analog of "tsumebite."
Arsenuranospathite HAl(UO2)4(AsO4)4·40(H2O) NAME ORIGIN: As the "arsenate" analog of "uranospathite."
Arsenuranylite Ca(UO2)4(AsO4)2(OH)4·6(H2O) NAME ORIGIN: Named for its relationship to phosphuranylite as the end-member.
Arthurite CuFe+++2(AsO4,PO4,SO4)2(O,OH)2·4(H2O) NAME ORIGIN: Named for Sir Arthur Edward Ian Montagu Russell (1878-1964) and Arthur William Gerald Kingsbury (1906-1968) for their contributions to British mineralogy.
Artinite Mg2(CO3)(OH)2·3(H2O) NAME ORIGIN: Named after the Italian mineralogist, Ettore Artini (1866-1928), mineralogist at the University of Milan.
Artroeite PbAlF3(OH)2 NAME ORIGIN: For Dr. Arthur (Art) Roe (1912-1993).
Artsmithite ! Hg+4Al(PO4)1.74(OH)1.78 NAME ORIGIN: Named for Arthur (Art) E. Smith (1935-), American petroleum geologist from Houston, Texas who

collected the original sample.
Arupite (Ni,Fe++)3(PO4)2·8(H2O) NAME ORIGIN: To honor Hans Henning Arup (1928-), Director of the Danish Corrosion Center, Copenhagen, Denmark.
Arzakite Hg3S2(Br,Cl)2 NAME ORIGIN: Named after it's locality. LOCALITY: Arzak mercury deposits, Tuva, Siberia, Russia.
Arzrunite Cu4Pb2SO4(OH)4Cl6·2(H2O) NAME ORIGIN: Named after Andreas Arzruni (1847-1898), German mineralogist, University of Aachen.
Asbecasite Ca3(Ti,Sn)As+++6Si2Be2O20 NAME ORIGIN: The name origin for Asbecasite is the main elements: As,Be,Ca,Si.
Asbestos * (see Chrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Asbestos * (see Clinochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Asbestos * (see Orthochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Asbestos * (see Parachrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Asbolane (Co,Ni)1-y(Mn++++O2)2-x(OH)2-2y+2x·n(H2O) NAME ORIGIN: Named from the Greek "to soil like soot".
Aschamalmite Pb6Bi2S9 NAME ORIGIN: Named for the locality. LOCALITY: Ascham Alm, Untersulzbachtal, Austria.
Ascharite * (see Szaibelyite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ashanite ? (Nb,Ta,U,Fe,Mn)4O8 NAME ORIGIN: From Altai and SHAN, Chinese for "mountains," for the occurrence in the Altai Mountains, China.
Ashburtonite HPb4Cu++4Si4O12(HCO3)4(OH)4Cl
Ashcroftine-(Ce) * K5Na5(Ce,Ca)12Si28O70(OH)2(CO3)8·8(H2O) NAME ORIGIN: Named for Frederick Noel Ashcroft (1878-1949), benefactor to the British Museum (Natural History), London, England.
Ashcroftine-(Y) K5Na5(Y,Ca)12Si28O70(OH)2(CO3)8·8(H2O) NAME ORIGIN: Named for Frederick Noel Ashcroft (1878-1949), benefactor to the British Museum (Natural History), London, England.
Ashoverite Zn(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Milltown, near Ashover, Derbyshire, England.
Ashtonite * (see Mordenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Asisite Pb12(SiO4)O8Cl4 NAME ORIGIN: The root name "Asis" means "drinking place" in the local Nama language and is also the name of the farm on which the Kombat mine is located. LOCALITY: Kombat mine, located 37 km east of Otavi and 49 km south of Tsumeb in the north-central part of Namibia.
Aspidolite NaMg3AlSi3O10(OH)2 NAME ORIGIN: The name is from the Greek "aspisidos", like a shield, alluding to the appearance of its crystals.
Asselbornite (Pb,Ba)(UO2)6(BiO)4(AsO4)2(OH)12·3(H2O) NAME ORIGIN: Named for Eric Asselborn (1954-), mineral collector and surgeon, Montrevel-en-Bresse, France.
Astrocyanite-(Ce) Cu2(Ce,Nd,La)2(UO2)(CO3)5(OH)2·1.5(H2O) NAME ORIGIN: Named from the Greek for "star" and "blue" alluding to the star-like habit and blue color and the dominant Ce.
Astrophyllite K2Na(Fe++,Mn)7Ti2Si8O26(OH)4 NAME ORIGIN: From the Greek aster - "star" and fyllon - "leaf."
Atacamite Cu2Cl(OH)3 NAME ORIGIN: Named after its locality. LOCALITY: Atacam desert province in northern Chile.
Atelestite Bi8(AsO4)3(OH)5O5 NAME ORIGIN: Derivation not explicitly stated. Probably from the Greek for "incomplete," as the composition was undetermined when the mineral was first described.

Athabascaite Cu5Se4 NAME ORIGIN: Named for the locality. LOCALITY: Martin Lake mine, Uranium City, Lake Athabasca, SK, Canada.
Atheneite (Pd,Hg)3As NAME ORIGIN: After the Greek goddess "Pallas Athene," in allusion to its palladium content.
Atlasovite Cu6Fe+++Bi+++O4(SO4)5·KCl
Atokite (Pd,Pt)3Sn NAME ORIGIN: For the Atok mine, South Africa.
Atopite * (see Romeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Attacolite * (see Attakolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Attakolite (Ca,Sr)Mn++(Al,Fe+++)4[(Si,P)O4]H(PO4)3(OH)4 NAME ORIGIN: Named from the Greek for "salmon" for the pale pink color.
Attapulgite * (see Palygorskite) See Also: GOOGLE, Athena, MinDAT, MinMax
Aubertite CuAl(SO4)2Cl·14(H2O)
Augelite Al2(PO4)(OH)3 NAME ORIGIN: From the Greek for "luster," for its pearly luster on the cleavage.
Augite (Ca,Na)(Mg,Fe,Al,Ti)(Si,Al)2O6 NAME ORIGIN: From the Greek auge - "luster."
Aurichalcite (Zn,Cu)5(CO3)2(OH)6 NAME ORIGIN: Probably from the Greek oreichalchos, "mountain copper."
Auricupride Cu3Au NAME ORIGIN: Named after its composition of Au and Cu.
Aurivilliusite ! Hg+Hg++OI NAME ORIGIN: Named for Karin Aurivillius (1920-1982), chemist-crystallographer at the University of Lund, Sweden, who determined the crystal structure of numerous synthetic Hg compounds.
Auroantimonate * AuSbO3 NAME ORIGIN: Named for the composition (AUROium ANTIMONATE).
Aurorite (Mn,Ag,Ca)Mn++++3O7·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Aurora mine, Treasure Hill, Hamilton, Nevada, USA.
Aurostibite AuSb2 NAME ORIGIN: In reference to its composition.
Austinite CaZn(AsO4)(OH) NAME ORIGIN: To honor Professor Austin Flint Rogers (1877-1957), American mineralogist, Stanford University, Palo Alto, California, USA.
Autunite Ca(UO2)2(PO4)2·10-12(H2O) NAME ORIGIN: Named for the locality. LOCALITY: L'Ouche de Jau, St. Symphorien, and other places near Autun, Saone-et-Loire, France.
Avanturine - feebly translucent chalcedony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Averievite ! Cu5(VO4)2O2·CuCl2 NAME ORIGIN: For V. V. Averiev (1929-1968), Russian volcanologist.
Avicennite Tl2O3 NAME ORIGIN: For the medieval (Persian) scholar and physician, Abu 'Ali al-Husayn ibn 'Abd Allah ibn Sina (Avicenna) (930-1037), who lived in Bukhara, Tadzhikistan.
Avogadrite (K,Cs)BF4
Awaruite Ni2Fe to Ni3Fe NAME ORIGIN: For the locality near Awarua Bay, New Zealand. LOCALITY: From the Red Hills and the Gorge River draining them, near Awarua Bay, south Westland, New Zealand. At Coolac, New South Wales, and in the Lord Brassey mine, Tasmania, Australia.
Axinite * (see Ferroaxinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Axinite * (see Magnesio-axinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Axinite * (see Manganaxinite) See Also: GOOGLE, Athena, MinDAT, MinMax

Azoproite (Mg,Fe++)2(Fe+++,Ti,Mg)BO5
Azurite Cu3(CO3)2(OH)2 NAME ORIGIN: From the Persian lazhward, meaning "blue.".

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(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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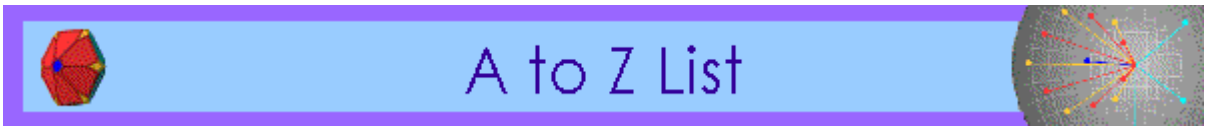

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B Index of Mineral Species

This alphabetical listing of **B minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Babefphite ▲ $BaBe(PO4)(F,O)$ NAME ORIGIN: For Barium, Beryllium, Fluorine, and Phosphorous in the composition.
Babingtonite ▲ $Ca2(Fe++,Mn)Fe+++Si5O14(OH)$ NAME ORIGIN: Named after the Irish physicist and mineralogist, W. Babington (1757-1833).
Babkinite ! ▲ $Pb2Bi2(S,Se)3$ NAME ORIGIN: For P. V. Babkin (1929-1977), noted Russian Geologist and the first investigator of the Nevskoye deposit.
Baddeleyite + ▲ $ZrO2$ NAME ORIGIN: For Joseph Baddeley, who first called attention to the Sri Lankan material.
Bafertisite ▲ $Ba(Fe++,Mn)2TiSi2O7(O,OH)2$ NAME ORIGIN: Named for the composition (Ba, ferrous, Ti, Si).
Baghdadite ▲ $Ca3(Zr,Ti)Si2O9$ NAME ORIGIN: For Baghdad, the capital of Iraq.
Bagotite * (see Thomsonite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Bahianite ▲ $Al5Sb+++++3O14(OH)2$
Baileychlore ▲ $(Zn,Al,[\ ])3[Fe++2Al][Si3AlO10](OH)8$ NAME ORIGIN: Named for

Sturges W. Bailey (1919-), mineralogist University of Wisconsin.
Baiyuneboite-(Ce) - Discredited * (see Cordylite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Bakerite Ca4B4(BO4)(SiO4)3(OH)3·(H2O) NAME ORIGIN: For Richard C. Baker, of Nutfield, Surrey, England, Mining Director of the Pacific Coast Borax Co., who discovered the mineral.
Bakhchisaraitsevite ! Na2Mg5(PO4)4·7(H2O) NAME ORIGIN: Named for crystallographer Alexander Yu. Bakhchisaraitsev (1947-1998).
Baking soda * (see Nahcolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Baksanite ! Bi6Te2S3 NAME ORIGIN: Named after the discovery locality. LOCALITY: Tyrngauz deposit, Baksan River valley, northern Caucasus, Russia.
Balangeroite (Mg,Fe+++,Fe++,Mn++)42Si16O54(OH)40 NAME ORIGIN: Named for the locality. LOCALITY: Balangero (San Vittore) mine, Piedmont, Italy.
Balas ruby - Red * (see Spinel) See Also: GOOGLE, Athena, MinDAT, MinMax
Balavinskite ? Sr2B6O11·4(H2O)
Balavinskite ? * (see Tunellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Balipholite BaMg2LiAl3Si4O12(OH,F)8
Balkanite Cu9Ag5HgS8 NAME ORIGIN: Named for the locality. LOCALITY: Sedmochislenitsi mine, Vratsa district, Balkan Mountains, Bulgaria.
Balyakinite CuTeO3
Bambollaite Cu(Se,Te)2 NAME ORIGIN: For the Spanish nickname "La Bambolla" of the mine in which it occurs, which roughly translates into "hot air" in allusion to exaggerated tales of rich gold ore.
Bamfordite ! Fe+++Mo2O6(OH)3·(H2O) NAME ORIGIN: After its locality. LOCALITY: Found at the Bamford Hill W-Mo-Bi deposits, 85 km WSW of Cairns, northern Queensland, Australia,
Banalsite BaNa2Al4Si4O16 NAME ORIGIN: Named from a contraction of the component cation symbols: Ba, Na,Al, and Si.
Bandylite CuB(OH)4Cl
Bannermanite (Na,K)0.7V+++++6O15 NAME ORIGIN: Named for Harold M. Bannerman (1897-1976), U. S. Economic Geologist.
Bannisterite KCa(Mn,Fe++,Zn,Mg)21(Si,Al)32O76(OH)16·4-12(H2O) NAME ORIGIN: Named for Dr. Frederick Allen Bannister (1901-?), formerly Keeper of Minerals, British Museum (Natural History), London, England.
Bannisterite-Ba * (see Bariumbannisterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Baotite Ba4(Ti,Nb)8Si4O28Cl NAME ORIGIN: For the locality. LOCALITY: From the Baiyun-Obo mine near Pat-t'ou (Baotou in Russian), Inner Mongolia..
Bararite (NH4)2SiF6
Baratovite KCa7(Ti,Zr)2Li3Si12O36F2 NAME ORIGIN: For Rauf Baratovich Baratov, Soviet petrographer, of Tadzhikistan.
Barberiite (NH4)BF4
Barbertonite Mg6Cr2(CO3)(OH)16·4(H2O)
Barbosalite Fe++Fe+++2(PO4)2(OH)2 NAME ORIGIN: Named for Aluxio Licinio de Miranda Barbosa (1916-), Professor of Geology, School of Mines, Ouro Preto, Brazil.
Barentsite Na7AlH2(CO3)4F4 NAME ORIGIN: Named to honor Dutch sailor Willem Barents and the sea that washes the Kola Peninsula.
Bari-olgite * (see Bario-olgite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bariandite Al0.6V8O20·9(H2O) NAME ORIGIN: Named for Pierre Bariand

(1933-), French mineralogist.
Baricite (Mg,Fe++)3(PO4)2·8(H2O) NAME ORIGIN: Honors Dr. Ljudevit Baric, former Director if the Mineralogical Museum and Professor of Mineralogy, University of Zagreb, Zagreb, Croatia.
Bario-olgite ! Na(Ba,Sr,Na,REE)PO4 NAME ORIGIN: Named for the composition and relationship to olgite.
Bario-orthojoaquinite Fe++2(Ba,Sr)4Ti2[Si4O12]O2·(H2O) NAME ORIGIN: Named after its composition, orthorhombic crystal structure, and the relationship to joaquinite (named for Joaquin Ridge, Diablo Range, California, USA).
Bariolgite * (see Bario-olgite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bariomicrolite Ba(Ta,Nb)2(O,OH)7 NAME ORIGIN: Assigned by the IMA pyrochlore nomenclature group for the predominant barium content and to microlite.
Bariopyrochlore (Ba,Sr)(Nb,Ti)2(O,OH)7 NAME ORIGIN: Assigned by the IMA pyrochlore nomenclature group for the predominant barium content and to pyrochlore.
Bariosincosite ! Ba(V++++O)2(PO4)2·4(H2O) NAME ORIGIN: Named for its relationship to sincosite.
Barite BaSO4 NAME ORIGIN: From the Greek, baryos, "heavy."
Barium-alumopharmacosiderite ? BaAl4(AsO4)3(OH)5·5(H2O) NAME ORIGIN: Named in 1966 as the aluminum end member with barium pharmcosiderite.
Barium-pharmacosiderite BaFe+++4(AsO4)3(OH)5·5(H2O) NAME ORIGIN: Named as the barium analog of pharmacosiderite.
Barium-zinc-alumopharmacosiderite * (Ba,K)0.5(Zn,Cu)0.5(Al,Fe)4(AsO4)3·5(H2O)
Bariumbannisterite * (K,H3O)(Ba,Ca)(Mn++,Fe++,Mg)21(Si,Al)32O80(O,OH)16·4-12(H2O) NAME ORIGIN: Named as the barium analog of bannisterite.
Bariumbrewsterite * (see Brewsterite-Ba) See Also: GOOGLE, Athena, MinDAT, MinMax
Barkevicite * (see Ferrohornblende) See Also: GOOGLE, Athena, MinDAT, MinMax
Barnesite Na2V6O16·3(H2O)
Barquillite ! Cu2CdGeS4 NAME ORIGIN: Named after Barquilla, a village near the discovery locality. LOCALITY: Fuentes Villanas mine, Barquilla Sn-Ge-Cd-Cu-Fe vein-type deposit, southwestern Salamanca, Spain.
Barrandite * (see Strengite) See Also: GOOGLE, Athena, MinDAT, MinMax
Barrandite * (see Variscite) See Also: GOOGLE, Athena, MinDAT, MinMax
Barrerite (Na,K,Ca)2Al2Si7O18·6(H2O) NAME ORIGIN: For Richard Maling Barrer (1910-), New Zealand-born British teacher ad student of the chemistry of zeolites.
Barringerite (Fe,Ni)2P NAME ORIGIN: Names in 1969 for Daniel M. Barringer (1860-1929), U.S. Mining engineer, who established the meteoritic origin of Meteor Crater, Arizona.
Barringtonite MgCO3·2(H2O) NAME ORIGIN: After its locality. LOCALITY: Barrington Tops, NSW, Australia.
Barroisite [ ](CaNa)Mg3AlFe+++Si7AlO22(OH)2 NAME ORIGIN: N.D.
Barsanovite - Discredited 1969 * (see Georgbarsanovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Barstowite Pb4(CO3)Cl6·(H2O) NAME ORIGIN: Named for Richard William Barstow (1947-1982), Cornish mineral dealer.

Bartelkeite PbFe++Ge3O8 NAME ORIGIN: Named for Wolfgang Bartelke, mineral collector and specialist in Tsumeb mineral.
Bartonite K3Fe10S14 NAME ORIGIN: For Paul B. Barton, Jr., sulfide petrologist with the U.S. Geological Society.
Barylite BaBe2Si2O7 NAME ORIGIN: Named from the Greek for "heavy", in allusion to its high specific gravity.
Barysilite Pb8Mn(Si2O7)3
Barytes * (see Barite) See Also: GOOGLE, Athena, MinDAT, MinMax
Barytkreuzstein * (see Harmotome) See Also: GOOGLE, Athena, MinDAT, MinMax
Barytocalcite BaCa(CO3)2 NAME ORIGIN: Named from its chemical composition.
Barytolamprophyllite Ba2Na3(Fe+++,Ti)3(Si2O7)2(O,OH,F)4 NAME ORIGIN: Named for the composition and similarity to lamprophyllite.
Basaluminite Al4(SO4)(OH)10·5(H2O)
Bassanite 2CaSO4·(H2O) NAME ORIGIN: Named for Francesco Basani (185301916). Italian paleontologist, University of Naples, Italy.
Bassetite Fe++(UO2)2(PO4)2·8(H2O) NAME ORIGIN: For the Basset mine group, Cornwall, England, from which it was first described.
Bastnasite-(Ce) Ce(CO3)F NAME ORIGIN: Named after its locality. LOCALITY: Bastnas Mine, Riddarhyttan district, Vastermanland, Sweden.
Bastnasite-(La) La(CO3)F NAME ORIGIN: Named after its locality Bastnas Mine, Riddarhyttan, Vastmanland, Sweden. LOCALITY: Gallinas Mountains, New Mexico, USA.
Bastnasite-(Y) Y(CO3)F NAME ORIGIN: Named as the Y end member and after the Bastnas Mine, Riddarhyttan, Vastmanland, Sweden.
Batiferrite ! Ba(Ti2Fe+++8Fe++2)O19 NAME ORIGIN: Named for the chemical composition (Ba,Ti,Fe) and the structural relationships to hexaferrite-type compounds.
Batisite BaNaNaTi2O2[Si4O12] NAME ORIGIN: For Ba, Ti, Si in the composition.
Baumhauerite Pb3As4S9 NAME ORIGIN: For Heinrich Adolph Baumhauer (1848-1926), German mineralogist and Professor, University of Fribourg, Switzerland.
Baumhauerite-2a ! Pb3As4S9 NAME ORIGIN: Named as the monoclinic polymorph of baumhauerite.
Baumstarkite ! Ag3(Sb,As)2SbS6 NAME ORIGIN: Named for Manfred Baumstark(1954-), German mineralogist who first recognized the mineral.
Bauranoite BaU2O7·4-5(H2O) NAME ORIGIN: Named for its composition of (Ba)(Urano)ite.
Bavenite Ca4Be2Al2Si9O26(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Baveno, Lago Maggiore, Piedmont, Italy.
Bayankhanite * Cu6HgS4 NAME ORIGIN: Named after the locality. LOCALITY: Idermeg-bayan-khan-ula, Mongolia.
Bayerite Al(OH)3 NAME ORIGIN: The artificial compound is thought to have been named for the 19th-century German metallurgist Karl J. Bayer; the name was then applied to the natural mineral.
Bayldonite (Cu,Zn)3Pb(AsO3OH)2(OH)2 NAME ORIGIN: Named after John Bayldon of England.
Bayleyite Mg2(UO2)(CO3)3·18(H2O)

Baylissite K2Mg(CO3)2·4(H2O)
Bazhenovite CaS5·CaS2O3·6Ca(OH)2·20(H2O)
Bazirite BaZrSi3O9 NAME ORIGIN: For Barium and ZIRconium in the composition.
Bazzite Be3(Sc,Al)2Si6O18 NAME ORIGIN: Named after the Italian engineer, A. E. Bazzi.
Bearsite Be2(AsO4)(OH)·4(H2O) NAME ORIGIN: Named for the composition (Be, Arsenic).
Bearthite Ca2Al(PO4)2(OH) NAME ORIGIN: Honors Professor Peter Bearth (1902-1989), for his pioneering petrologic studies of the high-pressure terranes of the western Alps.
Beaumontite * (see Heulandite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Beaumontite * (see Heulandite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Beaumontite * (see Heulandite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Beaumontite * (see Heulandite-Sr) See Also: GOOGLE, Athena, MinDAT, MinMax
Beaverite PbCu++(Fe+++,Al)2(SO4)2(OH)6
Bechererite ! (Zn,Cu)6Zn2(OH)13[(S,Si)(O,OH)4]2 NAME ORIGIN: Named after Dr. Karl Becherer (1926-) of the University of Vienna, in recognition of his contributions to the mineralogy of Spangolite from Lavrion.
Beckelite * (see Britholite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Becquerelite Ca(UO2)6O4(OH)6·8(H2O) NAME ORIGIN: For French physicist Antoine Henri Becquerel (1852-1908), who discovered radioactivity in 1896.
Bederite ! ([ ],Na)Ca2(Mn++,Mg,Fe++)2(Fe+++,Mg++,Al)2Mn++2(PO4)6·2(H2O) NAME ORIGIN: For Roberto Beder (1888-1930) in recognition of his major contributions to the development of mineralogy in Argentina.
Beegerite * (see Aschamalmite) See Also: GOOGLE, Athena, MinDAT, MinMax
Behierite (Ta,Nb)BO4
Behoite Be(OH)2 NAME ORIGIN: For Beryllium, Be, and hydroxyl, OH, in its composition.
Beidellite Na0.5Al2(Si3.5Al0.5)O10(OH)2·n(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Beidell, Colorado, USA..
Belendorffite Cu7Hg6 NAME ORIGIN: Names in 1992 for Klaus Belendorff (b.1956), German mineral collector.
Belkovite ! Ba3(Nb,Ti)6(Si2O7)2O12 NAME ORIGIN: For I.V. Bel'kov (1917-1989), Soviet mineralogist who explored the Kola Peninsula, Russia.
Bell metal ore * (see Stannite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bellbergite (K,Ba,Sr)2Sr2Ca2(Ca,Na)4Al18Si18O72·30(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Bellberg volcano, Mayen, Laacher See area, Eifel, Germany.
Bellidoite Cu2Se NAME ORIGIN: For Eleodoro Bellido Bravo, Director of Servicio de Geologia y Mineria, Peru.
Bellingerite Cu++3(IO3)6·2(H2O)
Belloite ! Cu(OH)Cl NAME ORIGIN: Named for Andres Bello (1780-1865), founder and first rector of the Universidad de Chile.
Belovite * (see Belovite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Belovite-(Ce) (Sr,Ce,Na,Ca)5(PO4)3(OH) NAME ORIGIN: Named for Nikolai Vassilievich Belov (1891-1982), mineralogist and crystallographer, Institute

of Crystallography, Moscow, Russia.
Belovite-(La) ! (Sr,La,Ce,Ca)5(PO4)3(F,OH) NAME ORIGIN: Named for Nikolai Vassilievich Belov (1891-1982), mineralogist and crystallographer, Institute of Crystallography, Moscow, Russia.
Belyankinite Ca1-2(Ti,Zr,Nb)5O12·9(H2O) (?) NAME ORIGIN: Named for Dmitry Stepanovich Belyankin (1876-1953), prominent Russian mineralogist and petrographer.
Bementite Mn8Si6O15(OH)10 NAME ORIGIN: For Clarence Sweet Bement (1843-1923), mineral collector of Philadelphia, Pennsylvania, USA.
Benauite ! HSrFe+++3(PO4)2(OH)6 NAME ORIGIN: For the Benauer Berg, Germany, near which the Clara mine is situated.
Benavidesite Pb4(Mn,Fe)Sb6S14 NAME ORIGIN: Named for A. Benavides to honor his contributions in the development of mining in Peru.
Benitoite BaTiSi3O9 NAME ORIGIN: Named from its locality. LOCALITY: Benitoite Gem mine, head waters of the San Benito river, 1 mile south of Santa Rita Peak, San Benito County, California, USA
Benjaminite (Ag,Cu)3(Bi,Pb)7S12 NAME ORIGIN: For Dr. Marcus Benjamin (1857-1932), of the U.S. National Museum.
Benleonardite Ag8(Sb,As)Te2S3 NAME ORIGIN: Named for Benjamin F. Leonard (1921-), U.S. Geologist.
Benstonite (Ba,Sr)6(Ca,Mn)6Mg(CO3)13
Bentonite * (see Beidellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bentonite * (see Montmorillonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bentorite Ca6(Cr,Al)2(SO4)3(OH)12·26(H2O)
Benyacarite (H2O,K)2Ti(Mn++,Fe++)2(Fe+++,Ti)2Ti(PO4)4(O,F)2·14(H2O) NAME ORIGIN: For Maria Angelica R. de Benyacar (1928-), Comision Nacional de Energia Atomica, Buenos Ares, Argentina, for her contribution to mineralogical studies.
Beraunite Fe++Fe+++5(PO4)4(OH)5·4(H2O) NAME ORIGIN: For its occurrence near Beroun (formerly Beraun), Czech Republic.
Berborite Be2(BO3)(OH,F)·(H2O)
Berdesinskiite V+++2TiO5 NAME ORIGIN: Named for Waldemar Berdesinski (1911-1990), German mineralogist, University of Heidelberg.
Berezanskite ! KLi3Ti2Si12O30 NAME ORIGIN: Named after Anatolyi Vladimirovich Berezanskii (b. 1948), who mapped the geology of remote areas of the Turkestan-Alai range, in Tajikistan.
Bergenite Ca2Ba4[(UO3)2O2(PO4)2]3(H2O)16 NAME ORIGIN: Named for the locality. LOCALITY: Mine dump at Streuberg, Bergen, Saxony, Germany.
Bergmannite * (see Natrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bergslagite CaBe(AsO4)(OH) NAME ORIGIN: For the occurrence at Langban, which is in the Bergslagen region of Sweden.
Berlinite AlPO4 NAME ORIGIN: Honoring Professor Nils Johan Berlin (1812-1891), pharmacologist, University of Lund, Lund, Sweden.
Bermanite Mn++Mn+++2(PO4)2(OH)2·4(H2O) NAME ORIGIN: In honor of Dr. Harry Berman (1902-1944), Professor of Mineralogy, Harvard University, Cambridge, Massachusetts, USA.
Bernalite Fe(OH)3 NAME ORIGIN: To honor John Desmond Bernal (1901-1971), eminent British crystallographer and historian of science.
Bernardite Tl(As,Sb)5S8 NAME ORIGIN: Names in 1989 for Jan Bernard

(b.1928), Czech mineralogist.
Berndtite SnS2 NAME ORIGIN: Named for Fritz Berndt, German mineralogist.
Bernstein * (see Amber) See Also: GOOGLE, Athena, MinDAT, MinMax
Berryite Pb3(Ag,Cu)5Bi7S16 NAME ORIGIN: For Professor Leonard Gascoigne Berry (1914-1982), mineralogist, Queen's University, Toronto, Canada, who obtained the first X-ray powder pattern of the mineral.
Berthierine (Fe++,Fe+++,Al,Mg)2-3(Si,Al)2O5(OH)4 NAME ORIGIN: Named for Pierre Berthier (1782-1861), French geologist.
Berthierite FeSb2S4 NAME ORIGIN: Named after the French chemist, P. Berthier (1782-1861).
Bertossaite Li2CaAl4(PO4)4(OH)4 NAME ORIGIN: Named for Antonio Bertossa, director of the Geological Survey of Rwanda.
Bertrandite Be4Si2O7(OH)2 NAME ORIGIN: Named after the French mineralogist, E. Bertrand.
Beryl Be3Al2Si6O18 NAME ORIGIN: From the ancient Greek, beryllos, signifying a "precious blue-green color of sea water" stone, but through later usage, applied only to beryl.
Beryllite Be3SiO4(OH)2·(H2O) NAME ORIGIN: Named in allusion to the beryllium content.
Beryllonite NaBePO4 NAME ORIGIN: For one of the major constituents in the composition, BERYLLium.
Berzelianite Cu2Se NAME ORIGIN: Named after Jons Jacob Berzelius (1779-1848), Swedish chemist who discovered the element selenium.
Berzeliite (Ca,Na)3(Mg,Mn)2(AsO4)3 NAME ORIGIN: In honor of the noted Swedish chemist and mineralogist, Jons Jacob Berzelius (1779-1848).
Beta-duftite * (see Duftite-beta) See Also: GOOGLE, Athena, MinDAT, MinMax
Beta-roselite * (see Roselite-beta) See Also: GOOGLE, Athena, MinDAT, MinMax
Beta-uranophane * (see Uranophane-beta) See Also: GOOGLE, Athena, MinDAT, MinMax
Beta-uranotile * (see Uranophane-beta) See Also: GOOGLE, Athena, MinDAT, MinMax
Betafite (Ca,U)2(Ti,Nb,Ta)2O6(OH) NAME ORIGIN: Named after its locality. LOCALITY: Betafo, Malagasy Republic.
Betekhtinite Cu10(Fe,Pb)S6 NAME ORIGIN: Named for Anatolii Gergievich Betekhtin (1897-119620, Russian mineralogist and economic geologist.
Betpakdalite [Mg(H2O)6]Ca2(H2O)13[Mo++++++8As+++++2Fe+++3O36(OH)]·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Bet-Pak-Dal desert, Kazakhstan.
Beudantite PbFe+++3(AsO4)(SO4)(OH)6 NAME ORIGIN: Named after the French mineralogist, F. S. Beudant (1787-1850).
Beusite (Mn++,Fe++,Ca,Mg)3(PO4)2 NAME ORIGIN: Named for Alexey Alexandrovich Beus, Professor of Mineralogy and Geochemistry, Moscow Polytechnical Institute.
Beyerite (Ca,Pb)Bi2(CO3)2O2 NAME ORIGIN: Named for A. Beyer.
Bezsmertnovite Au4Cu(Te,Pb) NAME ORIGIN: Named for Marianna S. Bezsmertnaya (1915-1991) and Valdimir V. Bezsmertny (1912-), Russian geologists.
Bianchite (Zn,Fe++)(SO4)·6(H2O)
Bicchulite Ca2Al2SiO6(OH)2 NAME ORIGIN: For Bicchu, the town encompassing the Japanese type locality. LOCALITY: From Fuka, near Bicchu, Okayama Prefecture, and in the Akagane mine, Iwate Prefecture, Japan.

Bideauxite Pb2AgCl3(F,OH)2 NAME ORIGIN: For Richard August Bideaux (1935-2004), of Oro Valley, Arizona, USA, American mineralogist, author, and mineral collector.
Bieberite CoSO4·7(H2O) NAME ORIGIN: Named after its original locality. LOCALITY: Bieber, Hessen, Germany.
Biehlite ! (Sb,As)2MoO6 NAME ORIGIN: Named for Friedrich Karl Bielh (1887-?), who was the first to do scientific work on the mineralization of the Tsumeb deposit.
Bigcreekite ! BaSi2O5·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Esquire no. 7 claim, along Big Creek, Fresno County, California, USA.
Bijvoetite-(Y) (Y,REE)8(H2O)25(UO2)16O8(OH)8(CO3)16·14(H2O) NAME ORIGIN: Named to honor Dutch crystallographer, Johannes Martin Bijvoet (1892-1980).
Bikitaite Li2[Al2Si4O12]·2(H2O) NAME ORIGIN: For the locality. LOCALITY: From Bikita, Zimbabwe. In the Foote mine, Kings Mountain, Cleveland Co., North Carolina, USA.
Bilibinskite Au3Cu2PbTe2 NAME ORIGIN: Named for Yuri A. Bilibin (1902-1952), Russian geologist.
Bilinite Fe++Fe+++2(SO4)4·22(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Schwaz, near Bilin, Bohemia, Czech Republic.
Billietite Ba(UO2)6O4(OH)6·8(H2O) NAME ORIGIN: For Valere Louis Billiet (1903-1944), Belgian crystallographer, University of Ghent, Ghent, Belgium.
Billingsleyite Ag7AsS6 NAME ORIGIN: For Paul Billingsley (1887-1962), mining geologist, who discovered the North Lily mine, and collected the type material.
Bindheimite Pb2Sb2O6(O,OH) NAME ORIGIN: Named after the German chemist, J. J. Bindheim (1750-1825).
Binnite * (see Tennantite) See Also: GOOGLE, Athena, MinDAT, MinMax
Binnite (Ba) * (see Muscovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Biotite * K(Mg,Fe++)3[AlSi3O10(OH,F)2 NAME ORIGIN: Named in 1847 after the French physicist, Jean Baptiste Biot (1774 - 1862), who studied the optical properties of the micas.
Biotitic vermiculite * (see Hydrobiotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Biphosphammite (NH4,K)H2PO4 NAME ORIGIN: As a BIPHOSPHate of AMMonium.
Biraite-(Ce) ! Ce2Fe++[Si2O7](CO3) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Biringuccite Na2B5O8(OH)·(H2O)
Birnessite (Na,Ca,K)x(Mn++++,Mn+++)2O4·1.5(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Birness, Aberdeenshire, Scotland.
Bisbeeite * (see Chrysocolla) See Also: GOOGLE, Athena, MinDAT, MinMax
Bisbeeite * (see Plancheite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bischofite MgCl2·6(H2O) NAME ORIGIN: For Karl Gustav Bischo (1792-1870), German geologist and mineral chemist, University of Bonn, Bonn, Germany.
Bismite Bi2O3 NAME ORIGIN: Named after its composition of Bi.
Bismoclite BiOCl NAME ORIGIN: In allusion to its composition, a "bismuth oxychloride."
Bismuth Bi NAME ORIGIN: Probably from the Arabic bi ismid, meaning having the properties of antimony.

Bismuth Glance * (see Bismuthinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bismuthian Arsenopyrite * (see Arsenopyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bismuthinite Bi2S3 NAME ORIGIN: From the composition.
Bismutite Bi2(CO3)O2
Bismutocolumbite Bi(Nb,Ta)O4 NAME ORIGIN: For BISMuth in its composition and relation to minerals of the "columbite-tantalite" series.
Bismutoferrite BiFe+++2(SiO4)2(OH) NAME ORIGIN: Named in allusion to the composition.
Bismutohauchecornite Ni9Bi2S8 NAME ORIGIN: Named as the Bi analog of hauchecornite.
Bismutomicrolite (Bi,Ca)(Ta,Nb)2O6(OH) NAME ORIGIN: Assigned by the IMA pyrochlore nomenclature group for the predominant bismuth content and to microlite.
Bismutoplagionite * 5PbS.4Bi2S3 NAME ORIGIN: Named after bismuth replacing arsenic in the mineral plagionite.
Bismutopyrochlore ! (Bi,U,Ca,Pb)1+x(Nb,Ta)2O6(OH)·n(H2O) NAME ORIGIN: Named for its composition and relationship to pyrochlore.
Bismutosparite * (see Bismutite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bismutostibiconite Bi(Sb+++++,Fe+++)2O7 NAME ORIGIN: Named for its bismuth content and relationship to stibiconite.
Bismutotantalite Bi(Ta,Nb)O4 NAME ORIGIN: Named for its composition (Bi, Ta).
Bitter Salt * (see Epsomite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bitter Salt * (see Hexahydrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bitter spar * (see Magnesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bityite CaLiAl2(AlBeSi2)O10(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Maharitra on Mt. Bity, Madagascar.
Bixbyite (Mn+++,Fe+++)2O3 NAME ORIGIN: Named after the American mineralogist, M. Bixby.
Bjarebyite (Ba,Sr)(Mn++,Fe++,Mg)2Al2(PO4)3(OH)3 NAME ORIGIN: Named for Alfred Gunnar Bjareby (1899-1967), Swedish-American student of New England pegmatite minerals.
Bjelkite * (see Cosalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Black Copper Oxide * (see Tenorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Black Jack * (see Sphalerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Black Lead * (see Graphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Blakeite * Fe2(TeO3)3
Blanchardite * (see Brochantite) See Also: GOOGLE, Athena, MinDAT, MinMax
Blatonite ! UO2CO3·(H2O) NAME ORIGIN: For Dr. Norbert Blaton (1945-), crystallographer at the University of Leuven, Belgium, a specialist on the crystal structure of uranium minerals.
Blatterite (Mn++,Mg)35Sb3(Mn+++,Fe+++)9(BO3)16O32 NAME ORIGIN: Named for Fritz Blatter (1943-), German mineral collector, who discovered the mineral.
Bleasdaleite ! (Ca,Fe+++)2Cu5(Bi,Cu)(PO4)4(H2O,OH,Cl)13 NAME ORIGIN: For the Reverend John Ignatius Bleasdale (1822-1884), an enthusiastic proponent of minerals from Victoria.
Blixite Pb2Cl(O,OH)2 NAME ORIGIN: Named for Ragner Blix (1898-), Chemist, Swedish Museum of Natural History.

Blockite * (see Penroseite) See Also: GOOGLE, Athena, MinDAT, MinMax
Blodite Na2Mg(SO4)2·4(H2O)
Bloedite * (see Blodite) See Also: GOOGLE, Athena, MinDAT, MinMax
Blomstrandite * (see Betafite) See Also: GOOGLE, Athena, MinDAT, MinMax
Blossite Cu2V+++++2O7 NAME ORIGIN: Named for F. Donald Bloss, American mineralogist, Virginia Polytechnic Institute, Blacksburg, Virginia.
Blue Iron Earth * (see Vivianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Blue Lead * (see Galena) See Also: GOOGLE, Athena, MinDAT, MinMax
Blue spar * (see Lazulite) See Also: GOOGLE, Athena, MinDAT, MinMax
Blue Vitrol * (see Chalcanthite) See Also: GOOGLE, Athena, MinDAT, MinMax
Boart * (see Diamond) See Also: GOOGLE, Athena, MinDAT, MinMax
Bobfergusonite Na2Mn++5Fe+++Al(PO4)6 NAME ORIGIN: To honor Emeritus Professor Robert Bury Ferguson (1920-), Canadian mineralogist, University of Manitoba, Winnipeg, Canada, especially for his contributions to pegmatite mineralogy.
Bobierrite Mg3(PO4)2·8(H2O) NAME ORIGIN: In honor of Pierre Adolphe Bobierre (1823-1881), French agricultural chemist, who first described the mineral.
Bobjonesite ! VO(SO4)(H2O)3 NAME ORIGIN: Named for Bob Jones (1926-), of Cave Creek, Arizona, USA.
Bobkingite ! Cu5Cl2(OH)8(H2O)2 NAME ORIGIN: Named for Robert King, formerly of the Department of Geology, Leicester University, prominent mineral collector and founding member of the Russell Society.
Bobrovskite * (see Awaruite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bobtraillite ! Na15Sr12Zr14Si42B6O138(OH)6·12(H2O) NAME ORIGIN: Named for Robert (Bob) James Traill (1921-), mineralogist, former head of the mineralogy section of the Geological Survey of Canada (1953-1986), and for hisc ontributions to mineralogy.
Boeggildite * (see Boggildite) See Also: GOOGLE, Athena, MinDAT, MinMax
Boehmite AlO(OH) NAME ORIGIN: Named after the German geologist and paleontologist, J. Bohm (1857-1938).
Boehmite * (see Boehmite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bogdanovite (Au,Te,Pb)3(Cu,Fe) NAME ORIGIN: Named for Aleksei A. Bogdanov (1907-1971), Russian geologist.
Boggildite Sr2Na2Al2(PO4)F9
Boggsite NaCa2(Al5Si19O48)·17(H2O) NAME ORIGIN: After Robert Maxwell Boggs (1918-), of Seattle, Washington, USA, and his son, Dr. Russell Calvin Boggs (1952-), of Cheney, Washington, USA, mineral collectors.
Bogvadite Na2SrBa2Al4F20 NAME ORIGIN: Named for Richard Bogvad (1952-), Danish, former chief geologist of the cryolite mining company.
Bohdanowiczite AgBiSe2 NAME ORIGIN: Named for Karol Bohdanovicz (1864-1947), Polish economic geologist.
Bokite (Al,Fe+++)1.3(V++++,Fe)8O20·4.7(H2O) NAME ORIGIN: Named for Ivan I. Bok, (1898-), Kazakh mineralogist.
Boldyrevite * NaCaMgAl3F14·4(H2O)
Boleite KPb26Ag9Cu24Cl62(OH)48 NAME ORIGIN: Named after is locality. LOCALITY: Boleo, Baja California, Mexico.
Bolivarite Al2(PO4)(OH)3·4-5(H2O) NAME ORIGIN: Named for Ignacio Boivar Y Urrutia (1850-?), Spanish entomologist.
Bolivarite * (see Variscite) See Also: GOOGLE, Athena, MinDAT, MinMax

Boltwoodite HK(UO2)(SiO4)·1.5(H2O) NAME ORIGIN: For Bertram Borden Boltwood (1870-1927), radiochemist of Yale University, New Haven, Connecticut, USA, who devised the U-Pb method of measuring geologic time.
Bonaccordite Ni2Fe+++BO5
Bonattite CuSO4·3(H2O)
Bonshtedtite Na3Fe++(PO4)(CO3) NAME ORIGIN: To honor Elsa Maksimilianovna Bonshtedt-Kupletskaya (1897-1974), Russian specialist in mineralogy of alkalic massifs.
Booart * (see Diamond) See Also: GOOGLE, Athena, MinDAT, MinMax
Boothite CuSO4·7(H2O) NAME ORIGIN: Named for Edward Booth (1857-1917), American chemist, University of California.
Boracite Mg3B7O13Cl NAME ORIGIN: Named after its composition containing boron.
Boralsilite ! Al16B6Si2O27 NAME ORIGIN: Named after its composition of (bo)ron, (al)uminum, and (sil)icon.
Borax Na2B4O5(OH)4·8(H2O) NAME ORIGIN: From the Arabic buraq, for "white."
Borcarite Ca4MgB4O6(OH)6(CO3)2
Boric Acid * (see Sassolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Borickite - 42.6.6.2 * (see Delvauxite) See Also: GOOGLE, Athena, MinDAT, MinMax
Borishanskiite Pd1+x(As,Pb)2, x = 0-0.2 NAME ORIGIN: For S.S. Borishanski, Soviet mineralogist.
Bornemanite BaNa3{(Na,Ti)4[(Ti,Nb)2O2Si4O14](F,OH)2}·PO4 NAME ORIGIN: Named or Irina Dimitrievna Borneman-Starynkevich (1890-), Russian mineralogist, Institute of Ore Deposits, Moscow. She was a student of the mineralogy of the Khibiny and Lovozero massifs.
Bornhardtite Co++Co+++2Se4 NAME ORIGIN: After Dr. Wilhelm Bornhardt (1864-?), German student of ore deposits.
Bornite Cu5FeS4 NAME ORIGIN: Named after the Austrian mineralogist, I. von Born (1742-1791).
Borocookeite ! Li(1+3x)Al(4-x)(BSi3)O10(OH,F)8 [x = 0-0.33] NAME ORIGIN: Named as the boron-rich analog of cookeite.
Borodaevite Ag5(Bi,Sb)9S16 NAME ORIGIN: Named in 1992 for its similarity to pavonite.
Boromuscovite KAl2(Si3B)O10(OH,F)2 NAME ORIGIN: Presumably for the BOROn content and relation to "muscovite."
Borovskite Pd3SbTe4 NAME ORIGIN: For Igor Borisovich Borovskii, Russian pioneer in microprobe analysis.
Bostwickite CaMn+++6Si3O16·7(H2O) NAME ORIGIN: Named for Richard C. Bostwick (1943-), collector and compiler of data on Franklin and Sterling Hill, NJ mineralogy, particularly fluorescent species.
Botallackite Cu2Cl(OH)3 NAME ORIGIN: For the occurrence in the Botallack mine, Cornwall, England.
Botryogen MgFe+++(SO4)2(OH)·7(H2O) NAME ORIGIN: From the Greek, botrys, meaning "grape' and genos, meaning "to yield."
Bottinoite NiSb+++++2(OH)12·6(H2O) NAME ORIGIN: For its occurrence in the Bottino mine, Italy.
Boulangerite Pb5Sb4S11 NAME ORIGIN: Named after the French mining engineer, C. L. Boulanger (1810-1849). Later name from an occurrence near

Mullan, Idaho.
Bournonite PbCuSbS3 NAME ORIGIN: Named after the French mineralogist, J. L. de Bournon (1751-1825).
Boussingaultite (NH4)2Mg(SO4)2·6(H2O)
Bowenite * (see Antigorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bowieite (Rh,Ir,Pt)1.77S3 NAME ORIGIN: For the British scientist, Dr. Stanley Hay Umphray Bowie, of the Institure of Geological Sciences, London, England.
Bowmanite * (see Goyazite) See Also: GOOGLE, Athena, MinDAT, MinMax
Boyleite (Zn,Mg)SO4·4(H2O)
Brabantite CaTh(PO4)2 NAME ORIGIN: For the Brabant Farm, Namibia, location of the pegmatite where the mineral was first found.
Bracewellite Cr+++O(OH) NAME ORIGIN: For its occurrence in the Bottino mine, Italy.
Brackebuschite Pb2(Mn,Fe++)(VO4)2(OH) NAME ORIGIN: Named for Ludwig Brackebusch (1849-1906), Professor of Mineralogy, University of Cordoba, Cordove, Argentina.
Bradaczekite ! NaCu4(AsO4)3 NAME ORIGIN: Named for Hans Bradaczek (1940-), crystallographer of the Free University of Berlin.
Bradleyite Na3Mg(PO4)(CO3)
Braggite (Pt,Pd,Ni)S NAME ORIGIN: To honor Sir William Henry Bragg (1862-1942) and Professor William Lawrence Bragg (1890-1971), pioneers in the X-ray investigations of crystals, as this is the first new mineral to be dis
Braitschite-(Ce) (Ca,Na2)7(Ce,La)2B22O43·7(H2O) NAME ORIGIN: Named for Otto Braitsch (1921-1966), German mineralogist.
Brammallite * (Na,H3O)(Al,Mg,Fe)2(Si,Al)4O10[(OH)2,(H2O)] NAME ORIGIN: Named in 1943 for Alfred Brammall (1879-?), British gologist and mineralogist.
Brandesite * (see Clintonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brandholzite ! Mg[Sb(OH)6]2·6(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Schmidten-Schacht and Jakobi-Schacht (pits) of the master lode in the former Brandholz-Groldkronach mining district in the western part of the Fichtelgebirge, Bavaria, Germany.
Brandtite Ca2(Mn,Mg)(AsO4)2·2(H2O) NAME ORIGIN: Named for Georg Brandt (1694-1768), Swedish chemist.
Brannerite (U,Ca,Ce)(Ti,Fe)2O6 NAME ORIGIN: Named after the American geologist, G. Branner (1850-1922).
Brannockite KSn2Li3Si12O30 NAME ORIGIN: Named for Dr. Kent C. Brannock, Chemist, Kingsport, TN.
Brass * Cu3Zn2
Brassite Mg(AsO3OH)·4(H2O) NAME ORIGIN: Honoring Rejane Brasse, who first synthesized the compound.
Braunite-I Mn++Mn+++6SiO12 NAME ORIGIN: Named after K. Braun (1790-1872) from Gotha, Germany.
Braunite-II * Mn++Mn+++6SiO12 NAME ORIGIN: Named after K. Braun (1790-1872) from Gotha, Germany.
Bravoite ? (Fe,Ni,Co)S2 NAME ORIGIN: Named in 1907 after the Peruvian scientist, J. J. Bravo (1874-1928).
Bravoite-Ni * (see Pyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brazilianite NaAl3(PO4)2(OH)4 NAME ORIGIN: Named after its first discovery in Brazil.

Bredigite Ca7Mg(SiO4)4 NAME ORIGIN: For Max Albrecht Bredig (1902-), physical chemist, who studied the polymorphism of Ca2SiO4.
Breislakite - fiberous * (see Ilvaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Breithauptite NiSb NAME ORIGIN: After the Saxon mineralogist Johann Friedrich August Breithaupt (1791-1873).
Brendelite ! (Bi,Pb)2Fe(PO4)(O,OH)3 NAME ORIGIN: Named for Christain Friedrick Brendel (1776-1861), in recognition of his development and application of mechanized mining technology.
Brenkite Ca2(CO3)F2
Brewsterite * (see Brewsterite-Sr) See Also: GOOGLE, Athena, MinDAT, MinMax
Brewsterite-Ba ! (Ba,Sr)Al2Si6O16·5(H2O) NAME ORIGIN: Named as the barium analogue of brewterite-Sr (formerly bariumbrewsterite).
Brewsterite-Sr (Sr,Ba)Al4Si12O32·10(H2O) NAME ORIGIN: Named after David Brewster (1781-1868), Scottish physicist, who studied the optical properties of minerals and the element Strontium.
Brezinaite Cr3S4 NAME ORIGIN: For Aristides Brezina (1848-1909), past Director of the Mineralogy-Petrology Section of the Natural History Museum, Vienna, Austria.
Brianite Na2CaMg(PO4)2 NAME ORIGIN: In honor of Dr. Brian Harold Mason (1917-), U.S. National Museum, Washington, D.C., USA, for his contributions to the study of meteorites.
Brianroulstonite ! Ca3[B5O6(OH)6](OH)Cl2·8(H2O) NAME ORIGIN: For Brian V. Roulston (1948-), in recognition of his work on the geology of evaporite deposits.
Brianyoungite Zn3(CO3,SO4)(OH)4
Briartite Cu2(Zn,Fe)GeS4 NAME ORIGIN: For Gaston Briart, who studied the Kipushi deposit.
Brindleyite (Ni,Mg,Fe++)2Al(SiAl)O5(OH)4 NAME ORIGIN: Name for Dr. George William Brindley (1905-1983), Professor of Mineral Sciences, Pennsylvania State University, University Park, Pennsylvania, USA.
Brinrobertsite ! (Na,K,Ca)x(Al,Fe,Mg)4(Si,Al)8O20(OH)4·3.54(H2O) [x = 0.35, n = 3.54] NAME ORIGIN: Named for Brin Roberts, specialist for British clay minerals in the University of London.
Britholite-(Ce) (Ce,Ca,Th,La,Nd)5(SiO4,PO4)3(OH,F) NAME ORIGIN: From the Greek for weight, in allusion to its density and the content of Ce.
Britholite-(Y) (Y,Ca)5(SiO4,PO4)3(OH,F) NAME ORIGIN: From the Greek for weight, in allusion to its density and the content of Y
Brittle Silver Ore * (see Stephanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brizziite-III NaSb+++++O3 NAME ORIGIN: For Dr. Giancarlo Brizzi (1936-1992) who discovered the mineral.
Brizziite-VII NaSb+++++O3 NAME ORIGIN: For Dr. Giancarlo Brizzi (1936-1992) who discovered the mineral.
Brochantite Cu4(SO4)(OH)6 NAME ORIGIN: Named after the French geologist and mineralogist, A. J. M. Brochant de Villiers (1772-1840).
Brockite (Ca,Th,Ce)(PO4)·(H2O) NAME ORIGIN: To honor Maurice R. Brock, U.S. Geological Survey, who supplied the first specimen.
Brodtkorbite ! Cu2HgSe2 NAME ORIGIN: Named for Milka Kronegold de Brodtkorb (1932-), Professor at the University of Buenos Aries and La Plata, Argentina
Broggerite-(Th) * (see Uraninite) See Also: GOOGLE, Athena, MinDAT, MinMax

Brokenhillite * ▲ (Mn,Fe)32[Si24O60]OH29Cl11 NAME ORIGIN: Named for the locality. LOCALITY: Broken Hill, New South Wales, Australia.
Brokenhillite * (see Manganpyrosmalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bromargyrite ● ■ ▲ AgBr NAME ORIGIN: Named after its composition of bromine (Greek, bromos - "stench") and silver (Latin, argentum).
Bromellite ● ■ ✚ ▲ BeO NAME ORIGIN: For Magnus von Bromell (1670-1731), Swedish physician and mineralogist.
Bromyrite * (see Bromargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brongniardite * (see Diaphorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bronzite * (see Hypersthene) See Also: GOOGLE, Athena, MinDAT, MinMax
Bronzite - bronze brown * (see Enstatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brookite ● ■ ✚ ▲ TiO2 NAME ORIGIN: Named after the English mineralogist, Henry James Brucke (1771-1857), a London mineralogist and wool trader.
Brown manganese ore * (see Manganite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brown Spar * (see Ankerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brownmillerite ● ■ ▲ Ca2(Al,Fe+++)2O5 NAME ORIGIN: Named for Lorrin Thomas Brownmiller (1902-), Chef chemist of the Alpha Portland Cement Company, Easton, Pennsylvania, USA.
Brucite ● ■ ✚ ▲ Mg(OH)2 NAME ORIGIN: Named after the American mineralogist, A. Bruce (1777-1818).
Brueggenite * (see Bruggenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bruggenite ● ▲ Ca(IO3)2·(H2O)
Brugnatellite ● ■ ▲ Mg6Fe+++(CO3)(OH)13·4(H2O) NAME ORIGIN: Named after Luigi Brugnatelli (1859-1928), mineralogist, University of Pavia, Italy.
Brunogeierite ● ✚ ▲ (Ge++,Fe++)Fe+++2O4 NAME ORIGIN: For Dr. Bruno H. Geier (1902-), formerly Chief Mineralogist, Tsumeb Corporation, Tsumeb, Namibia.
Brunsvigite * (see Chamosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Brushite ● ■ ▲ CaHPO4·2(H2O) NAME ORIGIN: To honor Professor George Jarvis Brush (1831-1912), American mineralogist, Yale University, New Haven, Connecticut, USA.
Buchwaldite ● ▲ NaCaPO4 NAME ORIGIN: To honor Dr. Vagn Fabius Buchwald (1929-), Technical University of Denmark, Lyngby, Denmark, for his contributions to the study of iron meteorites.
Buckhornite ● ▲ AuPb2BiTe2S3 NAME ORIGIN: Named after the locality. LOCALITY: Buckhorn mine, near Jamestown, Boulder, Colorado, USA.
Buckminsterfullerene * (see Fullerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bucky Balls * (see Fullerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Buddingtonite ● ■ ▲ (NH4)AlSi3O8·0.5(H2O) NAME ORIGIN: Named for Arthur Francis Buddington (1890-1980), American petrologist, Princeton University.
Buergerite ! ● ■ ▲ NaFe+++3Al6(BO3)3Si6O21F NAME ORIGIN: To honor Professor Martin Buerger (1903-1986), eminent crystallographer, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA.
Buergerite - (61.3.1.5) * (see Buergerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Buetschliite * (see Butschliite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bukovite ● ■ ▲ Tl2Cu3FeSe4 NAME ORIGIN: For its occurrence at Bukov, Czechoslovakia.
Bukovskyite ● ■ ▲ Fe+++2(AsO4)(SO4)(OH)·7(H2O) NAME ORIGIN: Named after the Czech chemist, Antonin Bukovsky (1865-1950).
Bulachite ● ▲ Al2(AsO4)(OH)3·3(H2O) NAME ORIGIN: Named for the locality.

LOCALITY: Neubulach, northern Black Forest, Germany.
Bultfonteinite Ca2SiO2(OH,F)4 NAME ORIGIN: For the Bultfontein mine, Kimberley, South Africa, where it was first discovered.
Bundle zeolite * (see Stilbite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Bundle zeolite * (see Stilbite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Bunsenite NiO NAME ORIGIN: For Professor Robert William Eberhard Bunsen (1811-1899), German chemist of the University of Heidelberg, Heidelberg, Germany, who had observed artificial NiO.
Burangaite (Na,Ca)2(Fe++,Mg)2Al10(PO4)8(OH,O)12·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Buranga pegmatite, near Gatumba, Rwanda.
Burbankite (Na,Ca)3(Sr,Ba,Ce)3(CO3)5
Burckhardtite Pb2(Fe+++,Mn+++)Te++++(AlSi3O10)O2(OH)2·(H2O) NAME ORIGIN: Named for Carlos Burckhardt (1869-19350, Swiss geologist working in Mexico.
Burkeite Na6(CO3)(SO4)2 NAME ORIGIN: Named for William Edmund Burke (1880-1966), chemical engineer, American Potash and Chemical Co., who discovered the artificial salt.
Burnsite ! KCdCu7O2(SeO3)2Cl9 NAME ORIGIN: Named for Peter C. Burns (1966-), Canadian-born mineralogist and crystallographer.
Burpalite Na2CaZrSi2O7F2 NAME ORIGIN: For its occurrence in the Burpala massif, Russia.
Bursaite Pb5Bi4S11 NAME ORIGIN: For the locality in Bursa Province, Turkey. LOCALITY: From Uludag, Bursa Province, Turkey.
Burtite CaSn(OH)6 NAME ORIGIN: For Dr. Donald McLain Burt (1943-), Professor of Mineralogy, Arizona State University, Tempe, Arizona, USA, authority on mineral equilibria and greisen deposits, who had predicted the na
Buryatite ! Ca3(Si,Fe+++,Al)[SO4][B(OH)4](OH,O)6·12(H2O) NAME ORIGIN: Named for the locality LOCALITY: Solongo boron deposit, Buryatiya, Ural Mts, Russia.
Bushmakinite ! Pb2Al(PO4)(VO4)(OH) NAME ORIGIN: Named for Anatolly F. Bushmakin (1947-1999), in recognition of his work on the Berezovskoye deposit.
Bussenite ! Na2(Ba,Sr)2(Fe,Mn)TiSi2O7(CO3)(OH)3F NAME ORIGIN: Named for Irina V. Bussen (1915-), Russian petrologist.
Bustamite (Mn,Ca)3Si3O9 NAME ORIGIN: For General Anastasio Bustamente (1780-1853), of Mexico.
Butlerite Fe+++(SO4)(OH) ·2(H2O)
Butschliite K2Ca(CO3)2 NAME ORIGIN: Named for Johann Adam Otto Butschli (1848-1920), professor of zoology, Heidelberg, Germany, who studied the double carbonates of K and Ca.
Buttgenbachite Cu19Cl4(NO3)2(OH)32·2(H2O) NAME ORIGIN: Named for Henri J. Buttgenback (1874-1964), Belgian mineralogist.
Byelorussite-(Ce) NaBa2(Ce,La)2Mn++Ti2Si8O26(F,OH) ·(H2O) NAME ORIGIN: For the occurrence in Belarus (formerly Byelorussia, USSR), and the "cerium" content.
Bykovaite ! BaNa{(Na,Ti)4[(Ti,Nb)2(OH,O)3Si4O14](OH,F)2}·3(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Byssolite * (see Actinolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bystrite (Na,K)7Ca(Si6Al6)O24S4.5·(H2O) NAME ORIGIN: Named after the locality. LOCALITY: In the Malaya Bystraya lazurite deposit, south of Lake Baikal,

Siberia, Russia.
Bystroemite * (see Bystromite) See Also: GOOGLE, Athena, MinDAT, MinMax
Bystromite MgSb2O6
Bytownite * (Ca,Na)(Si,Al)4O8 NAME ORIGIN: Named after its locality. LOCALITY: "Bytown," now Ottawa, Ontario, Canada.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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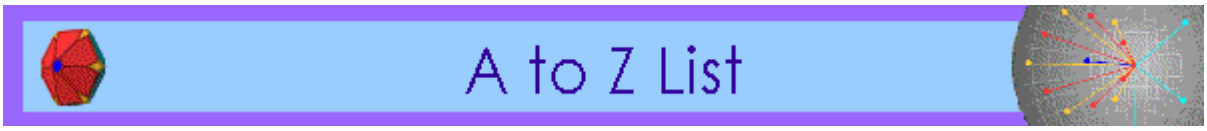

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C Index of Mineral Species

This alphabetical listing of **C minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Ca-Rectorite * (see Rectorite) See Also: GOOGLE, Athena, MinDAT, MinMax

Cabalzarite ! Ca(Mg,Al,Fe++)2(AsO4)2(H2O,OH)2 NAME ORIGIN: For Walter Cabalzar (1919-), an amateur mineralogist of Chur, Switzerland, who contributed to the mineralogy of the Graubunden canton.

Cabriite Pd2SnCu NAME ORIGIN: For Dr. Louis J. Cabri, Canadian Institute of Mining and Metallurgy, describer of a number of platinum group minerals.

Cacoxenite (Fe+++,Al)25(PO4)17O6(OH)12·75(H2O) NAME ORIGIN: From the Greek kakos, meaning "wrong" and xenos, meaning "guest.;"

Cadmium Cd NAME ORIGIN: From the Greek for "calamine," as the element occurs in slags resulting from smelting smithsonite (formerly calamine) ore.

Cadmium oxide * (see Monteponite) See Also: GOOGLE, Athena, MinDAT, MinMax

Cadmoindite ! ▲ CdIn2S4 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Cadmoselite ● ■ ▲ CdSe NAME ORIGIN: For the presence of cadmium and selenium.
Cadwaladerite ● ■ ▲ Al(OH)2Cl·4(H2O) NAME ORIGIN: For Charles Meigs Biddle Cadwalader, formerly President of the Academy of Natural Sciences, Philadelphia, Pennsylvania, USA.
Cafarsite ● ■ ▲ Ca8(Ti,Fe++,Fe+++,Mn)6-7(As+++O3)12·4(H2O)
Cafetite ● ■ ▲ Ca(Fe,Al)2Ti4O12·4(H2O) NAME ORIGIN: Named for the composition (Ca, Fe, Ti).
Cahnite ● ■ + ▲ Ca2B(AsO4)(OH)4 NAME ORIGIN: To honor Lazard Cahn (1865-1940), mineral collector and dealer, Colorado Springs, Colorado, USA, who first noted the species.
Caichengyunite * ▲ Fe++3Al2(SO4)6·30(H2O) NAME ORIGIN: Named for Cai Chen Yung (1907-1982), Chinese geologist and teacher.
Calamine * (see Hemimorphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calamine * (see Smithsonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calaverite ● ■ + ▲ AuTe2 NAME ORIGIN: Named after its locality. LOCALITY: Staislaus mine, Carson Hill, Calaveras Co. California.
Calciborite ● ■ ▲ CaB2O4
Calcio-ancylite-(Ce) ■ + ▲ CaCe(CO3)2(OH)·(H2O) NAME ORIGIN: Named for the composition and from the Greek "curved," in allusion to the rounded and distorted character of the crystals.
Calcio-ancylite-(Nd) ▲ CaNd(CO3)2(OH)·(H2O) NAME ORIGIN: Named for the composition and from the Greek "curved," in allusion to the rounded and distorted character of the crystals.
Calcio-andyrobertsite-1M ! ■ ▲ KCaCu5(AsO4)4[As(OH)2O2]·2(H2O) NAME ORIGIN: Named after Andrew C. Roberts (1950-), mineralogist with the Geological Survey of Canada.
Calcio-andyrobertsite-2O ! ▲ KCaCu5(AsO4)4[As(OH)2O2]·2(H2O) NAME ORIGIN: Named as the -2O polytype of calcio-andyrobertsite-1M
Calcioaravaipaite ! ● + ▲ PbCa2Al(F,OH)9 NAME ORIGIN: For the relationship with aravaipaite
Calciobetafite ● ▲ Ca2(Ti,Nb)2(O,OH)7 NAME ORIGIN: For the mineral with the betafite structure and the CALCium content.
Calcioburbankite ● ■ ▲ Na3(Ca,REE,Sr)3(CO3)5 NAME ORIGIN: For its relationship as the calcium-dominant analog of burbankite.
Calciocarnotite * (see Tyuyamunite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calciocelsian * (see Armenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calciochondrodite * (see Reinhardbraunsite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calciocopiapite ● ■ ▲ CaFe+++4(SO4)6(OH)2·19(H2O)
Calcioferrite ● ■ ▲ Ca4Fe++(Fe+++,Al)4(PO4)6(OH)4·12(H2O) NAME ORIGIN: Named for its composition.
Calciogadolinite * ▲ CaREE(Fe+++)Be2Si2O10 NAME ORIGIN: Named after is composition and relationship to gadolinite.
Calciohilairite ● ▲ CaZrSi3O9·3(H2O) NAME ORIGIN: For the "calcium" content and relation to "hilairite."
Calciotalc * (see Clintonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calciotantite ● ▲ Ca(Ta,Nb)4O11 NAME ORIGIN: Named for its composition

(Calcium, Tantalum).
Calciouranoite (Ca,Ba,Pb)U2O7·5(H2O) NAME ORIGIN: For CALCium and URANium in the composition.
Calciovolborthite * (see Tangeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcite CaCO3 NAME ORIGIN: From the Latin, calx, meaning lime.
Calcium Formate * (see Formicaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium Iarsenite * (see Esperite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium Oxalate * (see Weddellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium Oxalate * (see Whewellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium Oxide * (see Lime) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium rinkite * (see Gotzenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium Sulfate * (see Anhydrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium Tungstate * (see Scheelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcium-catapleiite (Ca,[ ])ZrSi3O9·2(H2O) NAME ORIGIN: Named for the composition and from the Greek for "wholly' and "full", because it is always accompanied by a number of rare minerals.
Calcjarlite Na(Ca,Sr)3Al3(F,OH)16 NAME ORIGIN: As a CALCium analog of "jarlite."
Calclacite Ca[Cl2/CH3COO]·10(H2O)
Calcurmolite Ca(UO2)3(MoO4)3(OH)2·11(H2O) NAME ORIGIN: Named for the composition.
Calcybeborosilite * (see Calcybeborosilite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Calcybeborosilite-(Y) * (REE,Ca)2[ ](B,Be)2(SiO4)2(OH,O)2 NAME ORIGIN: Named after it's composition of calcium, beryllium, boron and silicon.
Calderite (Mn++,Ca)3(Fe+++,Al)2(SiO4)3 NAME ORIGIN: For James Calder, an early writer on the geology of India; name first applied to a rock, later transferred to its predominant mineral.
Calderonite ! Pb2Fe+++(VO4)2(OH) NAME ORIGIN: Named for Salvador Caleron (1852-1911) in recognition of his important contribution to the mineralogy of Spain.
Caledonite Pb5Cu2(CO3)(SO4)3(OH)6 NAME ORIGIN: Named after Caledonia, the historical name of Scotland.
Calkinsite-(Ce) (Ce,La)2(CO3)3·4(H2O)
Callaghanite Cu2Mg2(CO3)(OH)6·2(H2O)
Callaite * (see Turquoise) See Also: GOOGLE, Athena, MinDAT, MinMax
Calomel Hg2Cl2 NAME ORIGIN: From the Greek, kalos - "beautiful" and melas - "black."
Calumetite Cu(OH,Cl)2·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Centennial mine, Calumet, Houghton County. Michigan, USA.
Calzirtite CaZr3TiO9 NAME ORIGIN: For CALcium and ZIR conium in its composition.
Camerolaite Cu4Al2[HSbO4,SO4](OH)10(CO3)·2(H2O) NAME ORIGIN: Named for Michel Camerola, French mineral collector.
Cameronite AgCu7Te10 NAME ORIGIN: Named for Eugene N. Cameron (1910-), U.S. Economic geologist.
Camgasite CaMg(AsO4)(OH)·5(H2O) NAME ORIGIN: Named after the composition (Ca, Mg, As).
Caminite Mg7(SO4)5(OH)4·(H2O)
Campigliaite Cu4Mn(SO4)2(OH)6·4(H2O)

Campylite * (see Mimetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Campylite * (see Pyromorphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Camsellite * (see Szaibelyite) See Also: GOOGLE, Athena, MinDAT, MinMax
Canaphite CaNa2P2O7·4(H2O) NAME ORIGIN: For Calcium, sodium, Natrium, and Phosphate in the composition.
Canasite (Na,K)6Ca5Si12O30(OH,F)4 NAME ORIGIN: For calcium, sodium, natrium, and silicon in the chemical composition.
Canasite - triclinic * (see Frankamenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Canavesite Mg2(CO3)(HBO3)·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Vola Gera tunnel, Brosso iron mine, Canavese district, Piedmont, Italy.
Canbyite * (see Hisingerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cancrinite Na6Ca2Al6Si6O24(CO3)2 NAME ORIGIN: Named after the Russian minister, E. F. Kankrin (1774-1845).
Cancrisilite Na7Al5Si7O24(C03)·3(H2O) NAME ORIGIN: For the relatively high ration of silicon to aluminum, and its relation to "cancrinite."
Canfieldite Ag8SnS6 NAME ORIGIN: Named after Frederick A. Canfield (1849-1926), American mining engineer and mineral collector.
Cannilloite ! CaCa2Mg4Al(Si5Al3)O22(OH)2 NAME ORIGIN: Named after Elio Cannillo of Pavia, Italy.
Cannizzarite Pb4Bi6S13 NAME ORIGIN: For Stanislao Cannizzaro (1826-1910), celebrated chemist, University of Rome, Italy.
Cannonite Bi2O(OH)2SO4 NAME ORIGIN: Named for B.B. Cannon, who first recognized the mineral.
Caoxite ! Ca(C2O4)·3(H2O) NAME ORIGIN: For the acronym of "Centennial Anniversary Of X-rays" and also for Calcium Oxalate.
Capgaronnite HgAg(Cl,Br,I)S NAME ORIGIN: Named in 1992 for the locality.
Caporcianite * (see Laumontite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cappelenite-(Y) Ba(Y,Ce)6Si3B6O24F2 NAME ORIGIN: For D. Cappelen of Holden, Norway, a collector who discovered the mineral, and its "yttrium" content.
Caracolite Na3Pb2(SO4)3Cl
Caratiite * (see Piypite) See Also: GOOGLE, Athena, MinDAT, MinMax
Carboborite Ca2Mg(CO3)2B2(OH)8·4(H2O)
Carbocernaite (Ca,Na)(Sr,Ce,Ba)(CO3)2
Carboirite-III Fe++Al2GeO5(OH)2
Carboirite-VIII Fe++(Al,Ge)2 O[(Ge,Si)O4](OH)2
Carbokentbrooksite ! (Na,[ ])12(Na,Ce)3Ca6Mn3Zr3Nb(Si25O73)(OH)3(CO3)·H2O NAME ORIGIN: Named for it's relationship to kentbrooksite.
Carbonado * (see Diamond) See Also: GOOGLE, Athena, MinDAT, MinMax
Carbonate vishnevite * (see Cancrisilite) See Also: GOOGLE, Athena, MinDAT, MinMax
Carbonate-cyanotrichite Cu++4Al2(CO3,SO4)(OH)12·2(H2O) NAME ORIGIN: Named after the composition and structural similarity to cyanotrichite, Greek for "blue hair".
Carbonate-fluorapatite Ca5(PO4,CO3)3F NAME ORIGIN: Named as the carbonate and fluorine end-member and from the Greek apatao - "I am misleading."
Carbonate-hydroxylapatite Ca5(PO4,CO3)3(OH) NAME ORIGIN: Named as the carbonate and hydroxyl end-member and from the Greek apatao - "I am

misleading."
Carborundum * (see Moissanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Caresite Fe++4Al2(OH)12CO3·3(H2O) NAME ORIGIN: Named after Steve Cares (1909-) and Janet Cares (1921-) of Sudbury, MA, Canada, who found the mineral.
Carletonite KNa4Ca4Si8O18(CO3)4(OH,F)·(H2O) NAME ORIGIN: Named for Carleton University, Ottawa, Canada where it was first recognized.
Carlfriesite CaTe++++2Te++++++O8
Carlhintzeite Ca2AlF7·(H2O) NAME ORIGIN: Named for Carl Hintze (1851-1916), German mineralogist, Professor of mineralogy at the University of Breslau and compiler of the "Handbuch der mineralogie."
Carlinite Tl2S NAME ORIGIN: For the Carlin gold deposit, Nevada, USA.
Carlosite * (see Neptunite) See Also: GOOGLE, Athena, MinDAT, MinMax
Carlosruizite K6(Na,K)4Na6Mg10(Se++++++O4)12(IO3)12·12(H2O) NAME ORIGIN: For Carlos Ruiz F. (1916-), who planned and directed the first national geological institution of Chile.
Carlosturanite (Mg,Fe++,Ti,Mn)21(Si,Al)12O28(OH)34 NAME ORIGIN: Named for Prof. Carlo Sturani (1938-1976), University of Torino, Torino, Italy.
Carlsbergite CrN NAME ORIGIN: Named for the Carlsberg Foundation, Copenhagen, Denmark, which supported recovery and cutting of the Agpalilik meteorite.
Carmichaelite ! (Ti,Cr,Fe)[O2-x(OH)x],x~0.5 NAME ORIGIN: Named for Ian S. E. Charmchael, Professor of Geology at the University of California, Berkeley, in recognition
Carminite PbFe+++2(AsO4)2(OH)2
Carnallite KMgCl3·6(H2O) NAME ORIGIN: Named after the German mining engineer, R. von Carnall (1804-1874).
Carnelian - flesh red chalcedony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Carnotite K2(UO2)2V2O8·3(H2O) NAME ORIGIN: Named after the French chemist, M. A. Carnot (1839-1920).
Carobbiite KF
Carpathite * (see Karpatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Carpholite MnAl2Si2O6(OH)4 NAME ORIGIN: From the Greek karfos - "straw" and lithos - "stone."
Carraraite ! Ca3Ge(OH)6(SO4)(CO3)·12H2 O NAME ORIGIN: Named for the locality. LOCALITY: Gioia quarry, Colonnata valley, Carrara basin region, Apuan Alps, Italy.
Carrboydite (Ni,Cu)14Al9(SO4,CO3)6(OH)43·7(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Carr Boyd Rocks, WA, Australia.
Carrollite Cu(Co,Ni)2S4 NAME ORIGIN: For its occurrence in Carroll Co., Maryland, USA.
Caryinite (Na,Pb)(Ca,Na)(Ca,Mn++)(Mn++,Mg)2(AsO4)3 NAME ORIGIN: Named for the Greek for "nut-brown", its common color.
Caryopilite (Mn++,Mg,Zn,Fe++)3(Si,As)2O5(OH,Cl)4 NAME ORIGIN: Named from the Greek for "nut" and "felt," in allusion to its brown color and felted structure.
Cascandite Ca(Sc,Fe++)Si3O8(OH)
Cassedanneite Pb5(VO4)2(CrO4)2·(H2O) NAME ORIGIN: Named for Jacques P. Cassedanne (1928-), Brazilian mineralogist.

Cassidyite Ca2(Ni,Mg)(PO4)2·2(H2O)
Cassiterite SnO2 NAME ORIGIN: From the Greek kassiteros - "tin."
Castaingite-(Cu) * (see Molybdenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Castanite * (see Hohmannite) See Also: GOOGLE, Athena, MinDAT, MinMax
Caswellsilverite NaCrS2 NAME ORIGIN: To honor Dr. Caswell Silver, geologist associated with the University of New Mexico, Albuquerque, New Mexico, USA.
Cat's Eye - chatoyant * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Catalanoite ! Na2H(PO4) · 8(H2O) NAME ORIGIN: Named for Luciano R. Catalano (1890-1970), well-known Argentine economic geologist and pioneer in the study of Andean salars in the Puna.
Catamarcaite ! Cu6GeWS8 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Cataphorite * (see Ferrikatophorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Catapleiite (Na,Ca,[ ])2ZrSi3O9·2(H2O) NAME ORIGIN: Named from the Greek for "wholly' and "full", because it is always accompanied by a number of rare minerals.
Catapleiite-Ca * (see Calcium-catapleiite) See Also: GOOGLE, Athena, MinDAT, MinMax
Catophorite * (see Katophorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Catophorite * (see Magnesioferrikatophorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Catophorite * (see Magnesiokatophorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Catoptrite * (see Katoptrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cattierite CoS2 NAME ORIGIN: For Felicien Cattier, former Chairman of Union Miniere du Haut Katanga, Belgium.
Cattiite ! Mg3(PO4)2·22(H2O) NAME ORIGIN: Named for Michele Catti, Professor of Physical Chemistry, University of Milano Bicocca, Italy.
Cavansite Ca(VO)Si4O10·4(H2O) NAME ORIGIN: Named after its composition of calcium, vanadium, and silicon.
Cavoite ! CaV3O7 NAME ORIGIN: Named for the composition, Ca, V, O.
Cawk * (see Barite) See Also: GOOGLE, Athena, MinDAT, MinMax
Caysichite-(Y) Y2(Ca,Gd)2Si4O10(CO3)3(H2O,O,OH)·3H20 NAME ORIGIN: Named for the composition (Ca, Y, Si, CO3).
Cebaite-(Ce) Ba3Ce2(CO3)5F2 NAME ORIGIN: Named after the composition.
Cebaite-(Nd) * Ba3(Nd,Ce)2(CO3)5F2 NAME ORIGIN: Named after the composition.
Cebollite Ca5Al2(SiO4)3(OH)4 NAME ORIGIN: Named after its locality. LOCALITY: Cebolla Creek, Gunnison Co., Colorado
Cechite Pb(Fe++,Mn)(VO4)(OH) NAME ORIGIN: Named for Frantisek Cech (1944-), mineralogist, Charles University, Prague, Czech Republic.
Cejkaite ! Na4(UO2)(CO3)3 NAME ORIGIN: Named for Jiri Cejak (1929-) for his numerous contributions to the crystal chemistry of U minerals.
Celadonite K(Mg,Fe++)(Fe+++,Al)[Si4O10](OH)2 NAME ORIGIN: Named from the French 'celadon,' sea-green, in allusion to its common color.
Celestine SrSO4 NAME ORIGIN: From the Latin coelestis, meaning "celestial."
Celestite * (see Celestine) See Also: GOOGLE, Athena, MinDAT, MinMax
Celsian BaAl2Si2O8 NAME ORIGIN: Named after the Swedish astronomer and natural scientist, A. Celsius(1701-1744).
Cenosite * (see Kainosite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax

Centrallasite * (see Gyrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cerargyrite * (see Chlorargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cerchiaraite ! ▲ Ba4(Mn,Fe,Al)4Si6(O,OH,Cl)26 NAME ORIGIN: Named for the locality. LOCALITY: Cerchiara manganese (braunite) mine, Val di Vara, eastern Liguria, Italy.
Cerianite-(Ce) ■ ▲ (Ce++++,Th)O2
Cerine * (see Ferriallanite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Ceriopyrochlore-(Ce) ▲ (Ce,Ca,Y)2(Nb,Ta)2O6(OH,F) NAME ORIGIN: From the similarity to pyrochlore and the cerium content.
Cerite-(Ce) ▲ Ce+++9Fe+++(SiO4)6[(SiO3)(OH)](OH)3
Cerite-(La) ! ■ ▲ (La,Ce,Ca)9(Mg,Fe+++)(SiO4)6[SiO3(OH)](OH)3 NAME ORIGIN: Named as the La dominant analog of cerite-(Ce).
Cernyite ▲ Cu2CdSnS4 NAME ORIGIN: For Dr. Cerny, mineralogist at the University of Manitoba, Winnipeg, Canada.
Cerolite * (see Stevensite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cerotungstite-(Ce) ■ ▲ CeW2O6(OH)3 NAME ORIGIN: Named for the composition.
Ceruleite ● ■ ▲ Cu2Al7(AsO4)4(OH)13·12(H2O)
Ceruleofibrite * (see Connellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cerussite ● ■ + ▲ PbCO3 NAME ORIGIN: From the Latin, cerussa, meaning "white lead."
Cervandonite-(Ce) ▲ (Ce,Nd,La)(Fe+++,Fe++,Ti++++,Al)3SiAs(Si,As)O13 NAME ORIGIN: Named for the locality. LOCALITY: Pizzo Cervandone, Alpe Devero, Italy.
Cervantite ■ ▲ Sb+++Sb+++++O4 NAME ORIGIN: Named after its locality. LOCALITY: Cervantes, Spain.
Cervelleite ▲ Ag4TeS NAME ORIGIN: Named for Bernard Cervelle (1940-), French mineralogist.
Cesanite ▲ Na7Ca3(SO4)6(OH)·0.8(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Core samples from the Cesano-I geothermal well, Cesano area, Latium, Italy.
Cesarolite ■ ▲ PbH2Mn++++3O8 NAME ORIGIN: Named for Giuseppe R. P. Cesaro (1849-1939), professor of mineralogy and crystallography, University of Liege, Belgium.
Cesbronite ■ ▲ Cu5(TeO3)2(OH)6·2(H2O) NAME ORIGIN: Named for Fabien Cesbron (1938-), French mineralogist, Bureau de Recherches Geologiques et Miniere, Orleans. France.
Cesbronite-x ▲ Cu5(TeO3)2(OH)6·2(H2O) NAME ORIGIN: Named for Fabien Cesbron (1938-), French mineralogist, Bureau de Recherches Geologiques et Miniere, Orleans. France.
Cesium-kupletskite * (see Kupletskite-(Cs)) See Also: GOOGLE, Athena, MinDAT, MinMax
Cesplumtantite ▲ (Cs,Na,Ca)2(Pb,Sb+++,Sn)3Ta8O24 NAME ORIGIN: Named for the composition (CESium, PLUMium (lead), and TANTalum).
Cesstibtantite ▲ (Cs,Na)SbTa4O12 NAME ORIGIN: Named for CESium, antimony (STIBium), and TANTalum in the composition.
Cetineite ■ ▲ (K,Na)3+x(Sb2O3)3(Sb2S3)(OH)x·(2.8-x)(H2O) NAME ORIGIN: Named for the locality. LOCALITY: In the Cetine mine, 20 km southwest of Siena, Tuscany, Italy.
Ceylonite * (see Magnesioferrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chabazite * (see Chabazite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax

Chabazite-Ca (Ca0.5,Na,K)4[Al4Si8O24]·12H2O NAME ORIGIN: From Gk. chabazios, tune or melody, one of twenty stones named in the poem Peri lithos, which extolled the virtues of minerals. The poem is ascribed to Orpheus, legendary founder of the O

Chabazite-K ! (K2,Ca,Na2,Mg)[Al2Si4O12]·6(H2O) NAME ORIGIN: From Gk. chabazios, tune or melody, one of twenty stones named in the poem Peri lithos. The K-dominant member of the chabazite series.

Chabazite-Na ! (Na2,K2,Ca,Mg)[Al2Si4O12]·6(H2O) NAME ORIGIN: The Na-dominant member of the chabazite series.

Chabazite-Sr ! (Sr,Ca,K2,Na2)[Al2Si4O12]·6(H2O) NAME ORIGIN: From Gk. chabazios, tune or melody, one of twenty stones named in the poem Peri lithos, which extolled the virtues of minerals. The poem is ascribed to Orpheus, legendary founder of the O

Chabourneite (Tl,Pb)21(Sb,As)91S147 NAME ORIGIN: Named for the Chabourneou Glacier, near the locality. LOCALITY: Jas Roux deposit, Hautes-Alpes, France.

Chadwickite ! (UO2)H(AsO3) NAME ORIGIN: Named after Sir James Chadwick (1891-1974), English physicist Cavendish Laboratory, University of Cambridge, U.K. 1935 Nobel Prize winner for his discovery of the neutron.

Chaidamuite (Zn,Fe++)Fe+++(SO4)2(OH)·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Xitieshan Pb-Zn mine, Chaidamu (Qaidam) basin, Qinghai, China.

Chalcanthite CuSO4·5(H2O) NAME ORIGIN: From the Greek chalkos, "copper" and anthos, "flower." Generally pseudomorphous after Boothite.

Chalcedony - microcrystalline quartz * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax

Chalcoalumite CuAl4(SO4)(OH)12·3(H2O)

Chalcocite Cu2S NAME ORIGIN: From the Greek, meaning chalkos, "copper".

Chalcocyanite CuSO4

Chalcokyanite * (see Chalcocyanite) See Also: GOOGLE, Athena, MinDAT, MinMax

Chalcomenite CuSeO3·2(H2O)

Chalconatronite Na2Cu(CO3)2·3(H2O) NAME ORIGIN: Named after the composition, copper and natron (soda).

Chalcophanite (Zn,Fe++,Mn++)Mn++++3O7·3(H2O) NAME ORIGIN: From the Greek for "copper" and "to appear," for the mineral's change in color on ignition.

Chalcophyllite Cu++18Al2(AsO4)3(SO4)3(OH)27·33(H2O) NAME ORIGIN: From the Greek, "copper" and fyllon, "leaf."

Chalcopyrite CuFeS2 NAME ORIGIN: From the Greek, chalkos, "copper" hence "Copper Pyrite."

Chalcosiderite CuFe+++6(PO4)4(OH)8·4(H2O)

Chalcostibite CuSbS2 NAME ORIGIN: From the Greek chalkos - "copper" and stibi - "antimony."

Chalcothallite (Cu,Fe)6Tl2SbS4 NAME ORIGIN: Named for the composition (Cu, Tl).

Chalcotrichite * (see Cuprite) See Also: GOOGLE, Athena, MinDAT, MinMax

Challacolloite ! KPb2Cl5 NAME ORIGIN: Named for the locality. LOCALITY: Mina Challacollo, Chile

Chalmersite * (see Cubanite) See Also: GOOGLE, Athena, MinDAT, MinMax

Chalybite * (see Siderite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chambersite Mn3B7O13Cl NAME ORIGIN: Named for the locality. LOCALITY: Barber's Hill salt dome, Chambers County, Texas, USA.
Chameanite (Cu,Fe)4As(Se,S)4 NAME ORIGIN: Named for the locality. LOCALITY: From Chameane, Puy-de-Dome, France.
Chamosite (Fe++,Mg,Fe+++)5Al(Si3Al)O10(OH,O)8 NAME ORIGIN: Named after its locality. LOCALITY: Chamoson, Rhone Valley, Switzerland.
Changbaiite PbNb2O6
Changchengite ! IrBiS NAME ORIGIN: Named after chancheng, the name of the "Great Wall" of China.
Changoite ! Na2Zn(SO4)2·4(H2O) NAME ORIGIN: Named after the changos, the early former inhabitants of northern Chile.
Chantalite CaAl2SiO4(OH)4 NAME ORIGIN: Named for Chantal Sarp (1944-), Swiss wife of its discoverer, Halil Sarp.
Chaoite C NAME ORIGIN: Named for Edward C. T. Chao (1919-), Chinese-U.S. Petrologist.
Chapmanite Sb+++Fe+++2(SiO4)2(OH) NAME ORIGIN: Named after the Canadian mineralogist, E. J. Chapman (1821-1904).
Charlesite Ca6(Al,Si)2(SO4)2B(OH)4(OH,O)12·26(H2O) NAME ORIGIN: Named for Charles Palache (1869-1954), professor of mineralogy, Harvard University.
Charmarite-2H Mn++4Al2(CO3)(OH)12·3(H2O) NAME ORIGIN: Named for Charles (1917-) and Marcelle (1918-) Weber, amateur mineralogist of Guilford, CT, who contributed extensively to the knowledge of Mt. St.-Hilaire and also found the mineral.
Charmarite-3T Mn++4Al2(CO3)(OH)12·3(H2O) NAME ORIGIN: Named for Charles (1917-) and Marcelle (1918-) Weber, amateur mineralogist of Guilford, CT, who contributed extensively to the knowledge of Mt. St.-Hilaire and also found the mineral.
Charoite K5Ca8(Si6O15)2(Si2O7)Si4O9(OH)·3(H2O) NAME ORIGIN: Named for the impression that it gives: "chary" in Russian means "charms" or "magic" and not for the Chara River, which is 70 km away from the locality. LOCALITY: Murun massif, Chara River area, Aldan Shield, SW Yakutia (Sakha Republic).
Chatkalite Cu6Fe++Sn2S8 NAME ORIGIN: For the occurrence in the Chatkalo-Kuramin Mountains, USSR.
Chaux * (see Lime) See Also: GOOGLE, Athena, MinDAT, MinMax
Chayesite K(Mg,Fe++)4Fe+++(Si12O30)
Chazellite * (see Berthierite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chekhovichite (Bi,Pb,Fe)2Te4O11 NAME ORIGIN: Named for Sergei Konstatinovich Chekhovich (1917-1997), mineralogist and geologist, Polytechnical Institute of Alma-Ata, Kazakhstan.
Chelkarite CaMgB2O4Cl2·7(H2O) (?)
Chelyabinskite * (Ca,Mg)3Si(OH)6(SO4,CO3)2·9(H2O)
Chenevixite Cu2Fe+++2(AsO4)2(OH)4·(H2O)
Chengdeite Ir3Fe NAME ORIGIN: Named after its locality. LOCALITY: At the branch of the Luan river (about 200 km NNE of Beijing) in Chengde County, Peoples Republic of China.
Chenite Pb4Cu(SO4)2(OH)6 NAME ORIGIN: Named for Tzong T. Chen (1942-), Canadian mineralogist.

Cheralite-(Ce) (Ce,Ca,Th)(P,Si)O4 NAME ORIGIN: For Chera (Kerala), an ancient Dravidian kingdom predating Travancor (now Kerala State), India.
Cheremnykhite Zn3Pb3Te++++O6(VO4)2 NAME ORIGIN: Named for I. M. Cheremnykh, Russian prospector, one of the discoverers of the Kuranakh deposit.
Cherepanovite RhAs NAME ORIGIN: For V.A. Cherepanov (1927-1983), geologist and mineralogist.
Chernikovite (H3O)2(UO2)2(PO4)2·6(H2O) NAME ORIGIN: Named for A. P. Chernikov (1927-), Institute of Mineralogy, Geochemistry and Rare Elements, Moscow, Russia.
Chernovite-(Ce) * (Ce,Y)(AsO4)
Chernovite-(Y) YAsO4
Chernykhite (Ba,Na)V+++,Al)2(Si,Al)4O10(OH)2 NAME ORIGIN: Named for V. V. Chernykh, Professor at the Mining Institute, St. Petersburg, Russia.
Chert - cryptocrystalline quartz * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Chervetite Pb2V2O7
Chessexite (K,Na)4Ca2Mg3Al8(SiO4)2(SO4)10(OH)10·40(H2O) NAME ORIGIN: Named for Ronald Chessex (1929-), Swiss petrologist and professor, University of Geneva.
Chessylite * (see Azurite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chesterite (Mg,Fe++)17Si20O54(OH)6
Chestermanite Mg2(Fe+++,Mg,Al,Sb+++++)BO3O2 NAME ORIGIN: Named for Charles W. Chesterman (1913-1991), U. S. Geologist who discovered the mineral.
Chevkinite-(Ce) (Ce,La,Ca,Th)4(Fe++,Mg)2(Ti,Fe+++)3Si4O22 NAME ORIGIN: Named for General Konstatin Vladimirovich Tschevkin [Chevkin] (1802-1875), Chief o f Staff of the Russian Mining Engineers Corps.
Chiastolite * (see Andalusite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chiavennite CaMnBe2Si5O13(OH)2·2(H2O)
Childrenite Fe++Al(PO4)(OH)2·(H2O) NAME ORIGIN: Named for John George Children (1777-1852), English chemist and mineralogist.
Chiluite Bi6Te++++++2Mo++++++2O21 NAME ORIGIN: Named after the locality. LOCALITY: Chilu, Fujian, China.
Chilunite * (see Chiluite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chinkolobwite * (see Sklodowskite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chinoite * (see Libethenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chiolite Na5Al3F14
Chkalovite Na2BeSi2O6 NAME ORIGIN: Named for Valerii Pavlovich Chkalov (1904{1938), the first to fly nonstop from Moscow to the USA across the North Pole.
Chladniite Na2Ca(Mg,Fe++)7(PO4)6 NAME ORIGIN: Named for Ernst Florens Friedrich Chladni (1756-1827), German physicist, University of Riga, Riga, Latvia who first espoused the extraterrestrial origin of meteorites.
Chloanthite * (see Nickel-skutterudite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chloraluminite AlCl3·6(H2O)
Chlorapatite Ca5(PO4)3Cl NAME ORIGIN: Named as the chlorine end-member and from the Greek apatao - "I am misleading."
Chlorargyrite AgCl NAME ORIGIN: Named after its chemical composition of chlorine (Greek, chloros = "pale green") and silver (Latin, argentum).

Chlorartinite ! Mg2(CO3)Cl(OH)·3(H2O) NAME ORIGIN: Chloride analog of artinite named after the Italian mineralogist, E. Artini (1866-1928).
Chlorbartonite ! K6Fe24S26(Cl,S) NAME ORIGIN: Named as the Cl dominant analog of bartonite.
Chlorellestadite Ca5(SiO4,PO4,SO4)3(Cl,OH,F) NAME ORIGIN: Named for the composition and Reuben B. Ellestad (1900-1993), American analytical chemist of Minneapolis, Minnesota, USA.
Chlorite * (see Tosudite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chloritite alpha * (see Donbassite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chloritoid (Fe++,Mg,Mn)2Al4Si2O10(OH)4 NAME ORIGIN: Named after its resemblance to chlorite minerals.
Chlormagaluminite (Mg,Fe++)4Al2(OH)12(Cl2,CO3)·2(H2O) NAME ORIGIN: Named after its composition (Chloride, Magnesium, Aluminum).
Chlormanasseite * (see Chlormagaluminite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chlormanganokalite K4MnCl6 NAME ORIGIN: Named after its chemical composition of Cl, Mn, and K (Latin kalium).
Chlorocalcite KCaCl3 NAME ORIGIN: Named for the composition, which was originally thought to be chloride of calcium alone.
Chlorohastingsite-K * (see Potassic-chlorohastingsite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chloromagnesite * MgCl2 NAME ORIGIN: Named in 1873 for it's composition.
Chloromenite ! Cu9O2(SeO3)4Cl6 NAME ORIGIN: The name comes from chloros, green, and mene, moon, referring to the presence of essential selenium.
Chloropal * (see Nontronite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chloroparagasite-K * (see Potassic-chloropargasite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chlorophoenicite (Mn,Mg)3Zn2(AsO4)(OH,O)6
Chlorothionite K2Cu(SO4)Cl2
Chlorotile * (see Agardite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Chloroxiphite Pb3CuCl2(OH)2O2
Choloalite CuPb(Te++++O3)2 NAME ORIGIN: Named from the Nahua "choloa", evasive, in allusion to the fact that the mineral escaped detection in the mine for many years.
Chondrodite (Mg,Fe++)5(SiO4)2(F,OH)2 NAME ORIGIN: From the Greek chondros - "grain."
Chrisstanleyite ! Ag2Pd3Se4 NAME ORIGIN: For Dr. Chris J. Stanley (1954-) of The Natural History Museum in London, in recognition of his contributions to ore mineralogy.
Christelite ! Zn3Cu2(SO4)2(OH)6·4(H2O) NAME ORIGIN: Named after Mrs. Christel Gebhard-Giesen (1950-) who discovered the mineral.
Christite TlHgAsS3 NAME ORIGIN: For Dr. Charles L. Christ, mineralogist with the U.S. Geological Survey.
Chromatite CaCrO4
Chrombismite ! Bi16CrO27 NAME ORIGIN: Named for the main elements present in the mineral.
Chromceladonite ! KCrMg(Si4O10)(OH)2 NAME ORIGIN: Named for its Cr content and the relationship to celadonite.
Chromdravite ! NaMg3(Cr,Fe+++)6(BO3)3Si6O18(OH)4 NAME ORIGIN: Named for the compositional relationship to dravite.

Chromdravite - (61.3.1.11) * (see Chromdravite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrome iron ore * (see Chromite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chromferide ▲ Fe3Cr1-x (x=0,6) NAME ORIGIN: Named for the chemical composition, CHROMium and FERrum.
Chromic iron * (see Chromite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chromite ■✚▲ Fe++Cr2O4 NAME ORIGIN: Named after its chemical composition.
Chromium ■▲ Cr NAME ORIGIN: From the Greek, chroma = "color", in allusion to the colorful salts of this element.
Chromium Garnet * (see Uvarovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chromphyllite ! ✚▲ (K,Ba)(Cr,Al)2[AlSi3O10](OH,F)2 NAME ORIGIN: The name alludes to the composition and micaceous cleavage.
Chrompicotite * (see Magnesiochromite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrysoberyl ■✚▲ BeAl2O4 NAME ORIGIN: From the Greek chrysos - "golden" and the mineral beryl.
Chrysocolla ■▲ (Cu,Al)2H2Si2O5(OH)4·n(H2O) NAME ORIGIN: Named from the Greek chrysos - "gold" and kolla - "glue" in allusion to the name of the material used to solder gold.
Chrysolite * (see Forsterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrysolite - light yellowish green * (see Olivine) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrysoprase - apple green chalcedony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrysotile * ■▲ Mg3Si2O5(OH)4 NAME ORIGIN: Named in 1834 from the Greek chrysos - "gold" and tilos - "fiber."
Chrysotile * (see Clinochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrysotile * (see Orthochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrysotile * (see Parachrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Chrysotile(Ni) * (see Pecoraite) See Also: GOOGLE, Athena, MinDAT, MinMax
Chubutite * ▲ Pb7O6Cl2
Chudobaite ▲ (Mg,Zn)5(AsO3OH)2(AsO4)2·10(H2O) NAME ORIGIN: Name for Karl Franz Chudoba (1898-1915), Professor of Mineralogy, University of Bonn, Germany.
Chukhrovite-(Ce) ▲ Ca3(Ce,Y)Al2(SO4)F13·10(H2O)
Chukhrovite-(Nd) ! ▲ Ca3(Nd,Y)Al2(SO4)F13·12(H2O) NAME ORIGIN: Named as the Nd-dominant analogue of chukhrovite-(Y) and chukhrovite-(Ce).
Chukhrovite-(Y) ▲ Ca3(Y,Ce)Al2(SO4)F13·10(H2O)
Churchite-(Dy) * ▲ (Dy,Sm,Gd,Nd)(PO4)·2(H2O) NAME ORIGIN: Named for Arthur Hubert Church (1834-19150, English chemist who described and analyzed the mineral and the element dysprosium.
Churchite-(Nd) ! ▲ Nd(PO4)·2(H2O) NAME ORIGIN: Named for Arthur Hubert Church (1834-1915, English chemist who described and analyzed the mineral.
Churchite-(Y) ■▲ YPO4·2(H2O) NAME ORIGIN: Named for Arthur Hubert Church (1834-19150, English chemist who described and analyzed the mineral.
Chursinite ▲ Hg+Hg++(AsO4) NAME ORIGIN: Named for the Russian actress, Ludmilla A. Cursina.
Chvaleticeite ■▲ (Mn++,Mg)SO4·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Chvaletice and Jachymov (Joachimsthal), Czech Republic.
Chvilevaite ▲ Na(Cu,Fe,Zn)2S2 NAME ORIGIN: From the Greek "chroma," "color," as all chromium compounds are colored.

Cianciulliite ▲ Mn++++(Mg,Mn++)2Zn2(OH)10·2-4(H2O) NAME ORIGIN: Named for John Cianciulli, of Sussex, New Jersey, USA.
Cinabre * (see Cinnabar) See Also: GOOGLE, Athena, MinDAT, MinMax
Cinnabar ● ■ ✚ ▲ HgS NAME ORIGIN: Of uncertain original meaning, from the Latin, cinnabaris.
Ciprianiite ! ■ ▲ Ca4[(Th,U)(REE)]2(Al,[ ])2[Si4B4O22](OH,F)2 NAME ORIGIN: Named for Curzio Cipriani, Professor of Mineralogy and Head of the Museum of Natural History, Universita di Firenze, Italy.
cis terpin hydrate * (see Flagstaffite) See Also: GOOGLE, Athena, MinDAT, MinMax
Citrine - yellow * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Clairite ■ ▲ (NH4)2Fe+++3(SO4)4(OH)3·3(H2O) NAME ORIGIN: Named for Claire Martini (1936-), South African, wife of the describer of the species, Jacques Edouard Martini.
Claraite ■ ▲ (Cu,Zn)3(CO3)(OH)4·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Clara Mine, Black Forest, Wolfach, Schwarzwald, Baden-Württemberg, Germany.
Claringbullite ● ■ ▲ Cu++4(OH)7Cl
Clarkeite ■ ▲ (Na,Ca,Pb)(UO2)O(OH)·0-1(H2O) NAME ORIGIN: Named for Frank Wigglesworth Clarke (1847-1931), prominent American geochemist of the US Geological Survey.
Claudetite ■ ✚ ▲ As2O3
Clausthalite ■ ▲ PbSe NAME ORIGIN: Named after its locality. LOCALITY: Lorenz Mine near Clausthal, Harz, Germany.
Clearcreekite ! ▲ Hg+3(CO3)(OH)·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Prospect pit near the former Clear Creek mercury mine, New Idria district, San Benito County, California, USA.
Clerite ! ▲ MnSb2S4 NAME ORIGIN: For Onisim Yegorovitch Kler (1845-1920), Honorary Member of the Russian Mineralogical Society.
Cleusonite ! ▲ Pb(U++++,U++++++)(Ti,Fe2+,Fe3+)20(O,OH)38 NAME ORIGIN: Named for the locality. LOCALITY: Barrage de Cleuson, Val de Nendaz, Switzerland.
Clevelandite * (see Albite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cliffordite ■ ▲ UTe3O9 NAME ORIGIN: Named for Clifford Frondel (1907-2002), one of the founders of Mineralogical Society of America and one of the authors of Dana's Mineralogy, 7th edition.
Clinoatacamite ! ■ ▲ Cu2(OH)3Cl NAME ORIGIN: For the relationship to atacamite and paratacamite. Atacamite is named after the Atacam desert province in northern Chile.
Clinobarylite ! ▲ BaBe2Si2O7 NAME ORIGIN: Non-orthogonal dimorph of barylite.
Clinobehoite ▲ Be(OH)2
Clinobirnessite * ▲ Na4Mn14O27·9(H2O)
Clinobisvanite ■ ▲ BiVO4
Clinocervantite ! ■ ▲ Sb+++Sb+++++O4 NAME ORIGIN: The name reflects its symmetry and relationship to cervantite.
Clinochalcomenite ■ ▲ CuSeO3·2(H2O)
Clinochlore ● ■ ▲ (Mg,Fe++)5Al(Si3Al)O10(OH)8 NAME ORIGIN: Clinochlore from the Greek klino - "oblique" and chloros - " green." Ripidolite from the Greek rhipis - "fan" and lithos - "stone." Pennine from the Pennine Alps, Italy

Clinochrysotile Mg3Si2O5(OH)4 NAME ORIGIN: From the Greek chrysos - "gold" and tilos - "fiber."
Clinoclase Cu3(AsO4)(OH)3 NAME ORIGIN: From the Greek, klineis - "to incline" and klas - "to break."
Clinoenstatite Mg2Si2O6 NAME ORIGIN: Named as the monoclinic polymorph of enstatite.
Clinoferroholmquistite [ ](Li2Fe++3Al2)Si8O22 (OH)2 NAME ORIGIN: Named for its composition, monoclinic crystal structure, and relationship with holmsquisite.
Clinoferrosilite (Fe++,Mg)2Si2O6
Clinohedrite CaZnSiO4·(H2O)
Clinoholmquistite ? [ ](Li2Mg3Al2)Si8O22(OH)2 NAME ORIGIN: Named for its monoclinic crystal structure and relationship with holmsquisite. Approved IMA 1985, Discredited IMA 2005.
Clinoholmquistite * (see Fluoro-sodic-pedrizite) See Also: GOOGLE, Athena, MinDAT, MinMax
Clinohumite (Mg,Fe++)9(SiO4)4(F,OH)2 NAME ORIGIN: Named after the mineral humite and the monoclinic crystal form.
Clinohypersthene * (see Clinoenstatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Clinohypersthene * (see Clinoferrosilite) See Also: GOOGLE, Athena, MinDAT, MinMax
Clinojimthompsonite (Mg,Fe++)5Si6O16(OH)2
Clinokurchatovite Ca(Mg,Fe++,Mn)B2O5
Clinomimetite Pb5(AsO4)3Cl
Clinophosinaite Na3CaPSiO7 NAME ORIGIN: Named for the crystalline system and the relationship with the phosinaite.
Clinoptilolite * (see Clinoptilolite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Clinoptilolite-Ca ! (Ca,Na,K)2-3Al3(Al,Si)2Si13O36·12(H2O) NAME ORIGIN: From the Greek klino - "oblique" ptylon - "feather" and lithos - "stone.." The Ca-dominant member of the clinoptilolite series.
Clinoptilolite-K (Na,K,Ca)2-3Al3(Al,Si)2Si13O36·12(H2O) NAME ORIGIN: The name reflects its inclined extinction and supposed similarity in composition to "ptilolite" (mordenite). K modifier added by zeolite nomenclatrue committee.
Clinoptilolite-Na ! (Na,K,Ca)2-3Al3(Al,Si)2Si13O36·12(H2O) NAME ORIGIN: From the Greek klino - "oblique" ptylon - "feather" and lithos - "stone.." The Na-dominant member of the clinoptilolite series.
Clinosafflorite (Co,Fe,Ni)As2 NAME ORIGIN: In reference to the monoclinic symmetry of this safflorite-like species.
Clinotobermorite Ca5Si6(O,OH)18·5(H2O) NAME ORIGIN: Named as the monoclinic polymorph of tobermorite.
Clinotyrolite Ca2Cu9[(As,S)O4]4(OH)10·10(H2O) NAME ORIGIN: For the monoclinic symmetry and relationship to tyrolite.
Clinoungemachite K3Na9Fe+++(SO4)6(OH)3·9(H2O) ? NAME ORIGIN: Named its crystal form and for Henri-Leon Ungemach (1880-1936), Belgian crystallographer.
Clinozoisite Ca2Al3(SiO4)3(OH) = Ca2AlAl2(SiO4)(Si2O7)O(OH) NAME ORIGIN: Named after its resemblance to zoisite and the monoclinic crystal form.
Clinozoisite-Sr * (see Niigataite) See Also: GOOGLE, Athena, MinDAT, MinMax
Clintonite Ca(Mg,Al)3(Al3Si)O10(OH)2 NAME ORIGIN: Named for De Witt Clinton (1769-1828), American statesman.
Coalingite Mg10Fe+++2(CO3)(OH)24·2(H2O) NAME ORIGIN: Named after

the town of Coalinga, California. The town was named after the railroad's Coaling Station "A."

Cobalt Bloom * (see Erythrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Cobalt-zippeite ▲ Co++2(UO2)6(SO4)3(OH)10·16(H2O) NAME ORIGIN: Named for its composition and for Franz Xaver Maxmillian Zippe (1791-1863), Austrian mineralogist.

Cobaltarthurite ! ■▲ CoFe+++2(AsO4)2(OH)2·4(H2O) NAME ORIGIN: Named as the Co-dominant member of the arthurite group.

Cobaltaustinite ■▲ CaCo(AsO4)(OH)

Cobaltian Arsenopyrite * (see Arsenopyrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Cobaltian Pyrite * (see Pyrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Cobaltite ■✚▲ CoAsS NAME ORIGIN: From the German, Kobold, "underground spirit" or "goblin," in allusion to the refusal of cobaltiferous ores to smelt properly, hence "bewitched."

Cobaltkieserite ! ▲ CoSO4·H2O NAME ORIGIN: Named as the Co analog of kieserite.

Cobaltkoritnigite ■▲ (Co,Zn)(AsO3OH)·(H2O)

Cobaltlotharmeyerite ! ■▲ Ca(Co,Fe,Ni)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named as the cobalt dominant analogue of lotharmeyerite,

Cobaltneustadtelite ! ✚▲ Bi2Fe+++(Co,Fe+++)(O,OH)2(OH)2(AsO4)2 NAME ORIGIN: Named after the locality and chemical composition. LOCALITY: Mine dumps in the Schneeberg-Neustädtel area, Saxony, Germany.

Cobaltocalcite * (see Sphaerocobaltite) See Also: GOOGLE, Athena, MinDAT, MinMax

Cobaltokoritnigite * (see Cobaltkoritnigite) See Also: GOOGLE, Athena, MinDAT, MinMax

Cobaltomenite ■▲ CoSeO3·2(H2O)

Cobaltpentlandite ▲ Co9S8 NAME ORIGIN: For the cobalt content and the relationship with pentlandite.

Cobalttsumcorite ! ■▲ Pb(Co,Fe)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named for the chemical and structural relationship to tsumcorite

Coccinite * ■▲ Hg++I2 (?)

Cochromite ✚▲ (Co,Ni,Fe++)(Cr,Al)2O4 NAME ORIGIN: Named for a chromite with essential cobalt.

Cocinerite-mixture with chalcocite * (see Silver) See Also: GOOGLE, Athena, MinDAT, MinMax

Cocinerite-mixture with silver * (see Chalcocite) See Also: GOOGLE, Athena, MinDAT, MinMax

Coconinoite ■▲ Fe+++2Al2(UO2)2(PO4)4(SO4)(OH)2·18(H2O) NAME ORIGIN: Named for its locality. LOCALITY: Sun Valley mine, Coconino County, Arizona, USA.

Coeruleolactite ■▲ (Ca,Cu)Al6(PO4)4(OH)8·4-5(H2O) NAME ORIGIN: Named from the Greek for "blue" and "milk", for its typical color.

Coesite ■▲ SiO2 NAME ORIGIN: Named for Loring Coes, Jr. (1915-1973), American chemist, Norton Company, who first synthesized the phase.

Coffinite ■▲ U(SiO4)1-x(OH)4x

Cohenite ■▲ (Fe,Ni,Co)3C NAME ORIGIN: Named for Emil Wilhelm Cohen (1842-1905), Professor of Mineralogy, University of Greifswald, Greifswald, Germany.

Colbalt Vitrol * (see Bieberite) See Also: GOOGLE, Athena, MinDAT, MinMax

Colbaltian wad * (see Asbolane) See Also: GOOGLE, Athena, MinDAT, MinMax

Colemanite ■✚▲ Ca2B6O11·5(H2O) NAME ORIGIN: After William T. Coleman, owner of the Death Valley, California mine where this species was first found.

Colerainite * (see Clinochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Collinsite Ca2(Mg,Fe++)(PO4)2·2(H2O)
Collinsite-Zn * (see Hillite) See Also: GOOGLE, Athena, MinDAT, MinMax
Collophane * (see Carbonate-fluorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Collophane * (see Carbonate-hydroxylapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Coloradoite HgTe NAME ORIGIN: Named after its locality. LOCALITY: Smuggler mine, Ballerat district, Boulder County, Colorado, USA.
Colquiriite CaLiAlF6 NAME ORIGIN: Named after the locality. LOCALITY: Colquiri mine, Colquiri, Bolivia
Coltan * (see Ferrocolumbite) See Also: GOOGLE, Athena, MinDAT, MinMax
Coltan * (see Ferrotantalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Coltan * (see Manganotantalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Columbite * (see Ferrocolumbite) See Also: GOOGLE, Athena, MinDAT, MinMax
Columbite-Tantalite * (see Ferrocolumbite) See Also: GOOGLE, Athena, MinDAT, MinMax
Columbite-Tantalite * (see Ferrotantalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Colusite Cu12-13V(As,Sb,Sn,Ge)3S16 NAME ORIGIN: For the Colusa claim, Butte, Montana, USA.
Comancheite Hg13(Cl,Br)8O9 NAME ORIGIN: Named for the Comanche Indians, who were the first miners in the Terligua district, using cinnabar for war paint.
Combeite Na2Ca2Si3O9
Comblainite Ni++6Co+++2(CO3)(OH)16·4(H2O) NAME ORIGIN: Named for Gordon Comblan (1929-) of the Musee Royal de l'Afrique Central, Tervuren, Belgium who discovered the mineral.
Common asbestos * (see Parachrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Compreignacite K2(UO2)6O4(OH)6·8(H2O)
Comuccite * (see Jamesonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Congolite (Fe++,Mg,Mn)3B7O13Cl
Conichalcite CaCu(AsO4)(OH)
Connellite Cu19Cl4(SO4)(OH)32·3(H2O) NAME ORIGIN: Named after the Scottish chemist, A. Conell (1794-1863).
Cookeite LiAl4(Si3Al)O10(OH)8
Coombsite ! K(Mn++,Fe++,Mg)13(Si,Al)18O42(OH)14 NAME ORIGIN: Named for D.S Coombs of the University of Otago, New Zealand.
Cooperite (Pt,Pd,Ni)S NAME ORIGIN: For R.A. Cooper, of Johannesburg, South Africa, who first described the mineral.
Coparsite ! Cu4O2[(As,V)O4]Cl NAME ORIGIN: The name recalls the mineral's constituents: copper and arsenic.
Copiapite Fe++Fe+++4(SO4)6(OH)2·20(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Copiapo, Chile.
Copper Cu NAME ORIGIN: From the Greek, Kyprios, the name of the island of Cyprus, once producing this metal.
Copper Uranite * (see Torbernite) See Also: GOOGLE, Athena, MinDAT, MinMax
Copper Vitrol * (see Chalcanthite) See Also: GOOGLE, Athena, MinDAT, MinMax
Copperas * (see Melanterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Coquandite Sb6O8(SO4)·(H2O)
Coquimbite Fe+++2(SO4)3·9(H2O) NAME ORIGIN: Named after the province of Coquimbo, Chile.
Corderoite Hg3S2Cl2 NAME ORIGIN: Named for its locality. LOCALITY:

McDermitt Mercury mine (formerly Cordero mine), Opalite district, Humboldt County, Nevada, USA.
Cordierite Mg2Al4Si5O18 NAME ORIGIN: From the French mining engineer and geologist P. L. A. Cordier (1777-1861).
Cordylite-(Ce) Ba(Ce,La)2(CO3)3F2 NAME ORIGIN: From the Greek "cordule" = club, in allusion to the shape of the crystals.
Corkite PbFe+++3(PO4)(SO4)(OH)6
Corkite * (see Beudantite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cornetite Cu3(PO4)(OH)3
Cornubite Cu5(AsO4)2(OH)4
Cornwallite Cu5(AsO4)2(OH)4 NAME ORIGIN: Named after the English leader Cornwall.
Coronadite Pb(Mn++++,Mn++)8O16 NAME ORIGIN: Named for Francisco Vasquez de Coronado (ca 1500-1554), first Spanish explorer of the American southwest.
Coronene * (see Karpatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Corrensite (Ca,Na,K)(Mg,Fe,Al)9(Si,Al)8O20(OH)10·n(H2O) NAME ORIGIN: Named for Carl Whilom Correns (1893-1980), German mineralogist and director of the Sedimentary Petrology Institute, University of Gottingen.
Corundum Al2O3 NAME ORIGIN: Probably derived from the Sanskrit, kuruvinda, meaning "ruby."
Corvusite (Na,Ca,K)V8O20·4(H2O) NAME ORIGIN: Named from the Latin "corvus", raven, in allusion to the bird's color.
Cosalite Pb2Bi2S5 NAME ORIGIN: Named after its locality. Bjelkite is named after the Bjelke mine at Nordmark, Vermland, Sweden. LOCALITY: Silver Mine at Cosala, Sinaloa, Mexico.
Coskrenite-(Ce) ! (Ce,Nd,La)2(SO4)2(C2O4)·8(H2O) NAME ORIGIN: Named for T. Dennis Coskren (1942-), geologist from Columbia, Maryland, whose work was instrumental in the discovery to the mineral.
Cosmochlore * (see Kosmochlor) See Also: GOOGLE, Athena, MinDAT, MinMax
Cossyrite * (see Aenigmatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Costibite CoSbS NAME ORIGIN: Named for the composition, Cobalt and STIBium (Latin name for Antimony).
Cotton stone * (see Mesolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cotunnite PbCl2
Coulsonite Fe++V+++2O4
Cousinite MgU2Mo2O13·6(H2O) (?) NAME ORIGIN: Named for Jules Cousin (1884-1965), Belgian, president of Union Miniere du Haut Katanga.
Coutinhite * (see Lanthanite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Coutinhite * (see Lanthanite-(Nd)) See Also: GOOGLE, Athena, MinDAT, MinMax
Coutinhoite ! ThxBa1-2x(H2O)y(UO2)2Si5O13·H2O NAME ORIGIN: Named for Jose Moacyr Vianna Coutinho (1924-), Professor of Mineralogy and Petrography the the Instituto de Geociencieas of Universidad de Sao Paulo, Brazil.
Coutinite * (see Lanthanite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Coutinite * (see Lanthanite-(Nd)) See Also: GOOGLE, Athena, MinDAT, MinMax
Covelline * (see Covellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Covellite CuS NAME ORIGIN: Named after the Italian mineralogist, N. Covelli (1790-1829).

Cowlesite CaAl2Si3O10·5-6(H2O) NAME ORIGIN: Named for John George Cowles (1907-1985), American amateur mineralogist and zeolite collector.
Coyoteite NaFe3S5·2(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Coyote Peak diatreme, 16 miles SW of Orick, Humboldt Co. California.
Crandallite CaAl3(PO4)2(OH)5·(H2O) NAME ORIGIN: Named for Milan L. Crandall, Jr., engineer, Knight Syndicate, Provo, Utah, USA.
Crawfordite Na3Sr(PO4)(CO3) NAME ORIGIN: For the Scottish doctor and chemist, Dr. A. Crawford (1748-1795).
Creaseyite Pb2Cu2(Fe+++,Al)2Si5O17·6(H2O) NAME ORIGIN: Named for S. C. Creasey (1917-), in recognition of his studies of the Mammoth-St. Anthony mine.
Crednerite CuMnO2 NAME ORIGIN: Named for Karl F. H. Credner (1809-1876), German mining geologist and mineralogist.
Creedite Ca3Al2(SO4)(F,OH)10·2(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Wagon Wheel Gap, Creed Quadrangle, Colorado, USA.
Crerarite (Pt,Pb)Bi3(S,Se)4-x (x~0.7) NAME ORIGIN: Named for Prof. David Crerar (1945-1994) of Princeton University.
Crestmoreite-mixture with wilkeite * (see Tobermorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Crichtonite (Sr,La,Ce,Y)(Ti,Fe+++,Mn)21O38 NAME ORIGIN: Named for Sir Alexander A. Crichton (1763-1856), Scottish physician and mineral collector.
Criddleite TlAg2Au3Sb10S10 NAME ORIGIN: Named for Alan J. Criddle (1944-2002), English mineralogist.
Cristobalite SiO2 NAME ORIGIN: Named after its locality. LOCALITY: Cerro San Cristobal, Mexico.
Crocidolite - asbestos form * (see Riebeckite) See Also: GOOGLE, Athena, MinDAT, MinMax
Crocoite PbCrO4 NAME ORIGIN: From the Greek krokos, meaning "crocus" or "saffron."
Cromfordite * (see Phosgenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cronstedtite Fe++2Fe+++(SiFe+++)O5(OH)4
Cronusite ! Ca0.2(H2O)2CrS2 NAME ORIGIN: Name derived from the Greek Titan "Cronos" and alludes to the combined meteor-terrestrial origin where cronusite is derived from terretrial weathering of meteoric minerals.
Crookesite Cu7(Tl,Ag)Se4 NAME ORIGIN: After Sir William Crookes (1832-1919), who discovered thallium.
Cross stone * (see Phillipsite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Cross stone * (see Phillipsite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Cross stone * (see Phillipsite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Crossite ? Na2(Mg,Fe++)3(Al,Fe+++)2Si8O22(OH)2 NAME ORIGIN: Named in 1894 for Charles Whitman Cross, (1854-1949), geologist, United States Geological Survey.
Cryolite Na3AlF6 NAME ORIGIN: Named from the Greek, kryos "frost" and lithos "stone."
Cryolithionite Na3Li3Al2F12
Cryptohalite (NH4)2SiF6
Cryptomelane K(Mn++++,Mn++)8O16 NAME ORIGIN: From the Greek for hidden and black, as the identity of this common, black mineral is lost in the group of other black Mn-bearing oxides.
Csiklovaite * (see Bismuthinite) See Also: GOOGLE, Athena, MinDAT, MinMax

Csiklovaite * (see Galenobismutite) See Also: GOOGLE, Athena, MinDAT, MinMax
Csiklovaite * (see Tetradymite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cualstibite ▲ Cu++6Al3(SbO4)3(OH)12·10(H2O) NAME ORIGIN: Named for the composition (Cu, Al, Stibium - Latin for antimony).
Cubanite ● ■ ✚ ▲ CuFe2S3 NAME ORIGIN: Named after its locality. LOCALITY: Barracanao, Cuba.
Cuboargyrite ! ▲ AgSbS NAME ORIGIN: The name alludes to the polymorphic relationship with miargyrite.
Cuivre * (see Copper) See Also: GOOGLE, Athena, MinDAT, MinMax
Cumengeite * (see Cumengite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cumengite ■ ▲ Pb21Cu20Cl42(OH)40
Cummingtonite ■ ▲ [ ]Mg7Si8O22(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Cummington, Massachusetts, USA.
Cupalite ▲ (Cu,Zn)Al NAME ORIGIN: Named for its composition (Cu, Al).
Cuprite ● ■ ▲ Cu2O NAME ORIGIN: From the Latin, cuprum, meaning copper. Chalcotrichite from the Greek, meaning "hairy copper."
Cuproartinite-Cu * (see Artinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cuprobismutite ■ ▲ Cu10Bi12S23 NAME ORIGIN: For the composition.
Cuprocopiapite ■ ▲ CuFe+++4(SO4)6(OH)2·20(H2O)
Cuprodescloizite * (see Mottramite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cuproiridsite ■ ▲ CuIr2S4 NAME ORIGIN: For the chemical composition.
Cupromakovickyite ! ■ ▲ Cu4AgPb2Bi9S18 NAME ORIGIN: Named as the Cu-dominant analogue of makovickyite.
Cupropavonite ▲ AgPbCu2Bi5S10 NAME ORIGIN: To stress a similarity with pavonite.
Cuprorhodsite ▲ CuRh2S4 NAME ORIGIN: For the chemical composition.
Cuprorivaite ■ ▲ CaCuSi4O10
Cuprosklodowskite ● ■ ▲ Cu[(UO2)(SiO2OH)]2·6(H2O) NAME ORIGIN: A name supplied by Buttgenbach while introducing Vaes' paper, in the mistaken belief that it was the copper analog of sklodowskite.
Cuprospinel ■ ✚ ▲ (Cu,Mg)Fe+++2O4 NAME ORIGIN: Named for the copper content and the spinel structure.
Cuprostibite ■ ▲ Cu2(Sb,Tl) NAME ORIGIN: Named for the composition.
Cuprotungstite ■ ▲ Cu++3(WO4)2(OH)2 NAME ORIGIN: Named for its composition.
Curetonite ■ ▲ Ba4Al3Ti(PO4)4(O,OH)6 NAME ORIGIN: Named for Forrest Cureton, mineralogist, and Michael Cureton, of Tucson, AZ, who found the mineral.
Curienite ● ■ ▲ Pb(UO2)2V2O8·5(H2O)
Curite ● ■ ✚ ▲ Pb3+x(H2O)2[(UO2)4+x(OH)3-x]2, x~0.5 NAME ORIGIN: Named for Pierre Curie (1859-1906) and Marie Curie-Sklodowska (1867 - 1934), French research team of radioactive minerals. Discoverd the element radium.
Curtisite * (see Idrialite) See Also: GOOGLE, Athena, MinDAT, MinMax
Cuspidine ■ ▲ Ca4Si2O7(F,OH)2
Custerite * (see Cuspidine) See Also: GOOGLE, Athena, MinDAT, MinMax
Cuzticite ■ ▲ Fe+++2Te++++++O6·3(H2O) NAME ORIGIN: Named from the Nahuatl for "something yellow", in allusion to its color.
Cyanochroite ■ ▲ K2Cu(SO4)2·6(H2O)
Cyanophyllite ▲ Cu++5Al2(SbO4)3(OH)7·9(H2O)

Cyanotrichite Cu4Al2(SO4)(OH)12·2(H2O) NAME ORIGIN: From the Greek, kyaneos, "blue" and triches, "hair," hence, blue hair.
Cylindrite Pb3Sn4FeSb2S14 NAME ORIGIN: From the Greek, kylindros, "cylinder."
Cymrite BaAl2Si2O8·(H2O) NAME ORIGIN: Named for Cymru, the old Welsh name for Wales.
Cyrilovite NaFe+++3(PO4)2(OH)4·2(H2O) NAME ORIGIN: Named after its locality Cyrilov, Czechoslovakia.
Cyrtolite * (see Zircon) See Also: GOOGLE, Athena, MinDAT, MinMax

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(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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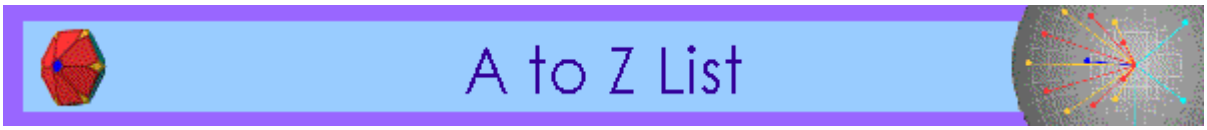

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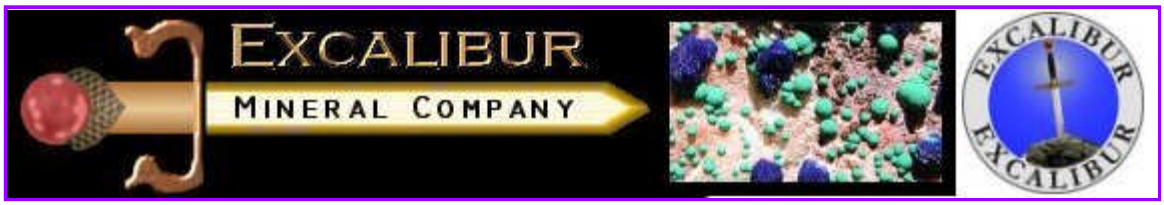

This alphabetical listing of **D minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

D'Ansite * (see Dansite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dachiardite * (see Dachiardite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Dachiardite-Ca (Ca,Na2,K2)5Al10Si38O96·25(H2O) NAME ORIGIN: Named after Antonio D'Achiardi (1839-1902), Professor of Mineralogy, Universitá di Pisa, Italy, who first described the mineral discovered by his son in a granitic pegmatite.
Dachiardite-Na (Na2,Ca,K2)4Al4Si20O48·13(H2O) NAME ORIGIN: Named for its relationship to dachiardite and the sodium content.
Dadsonite Pb21Sb23S55Cl NAME ORIGIN: Named for Alexander S. Dadson (1906-1958), Canadian mineralogist.
Dahllite * (see Carbonate-hydroxylapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dalyite K2ZrSi6O15
Damaraite Pb3O2(OH)Cl NAME ORIGIN: Named for the Damara sequence,

the dolostones that host the deposit at the type locality. LOCALITY: Kombat mine, 49 km S of Tsumeb, Namibia.

Damiaoite ! PtIn2 NAME ORIGIN: For its locality. LOCALITY: Near the village of Damiao and the Yixun River, about 370 km N of Beijing, People's Republic of China.

Dana 28.4.3.3 * (see Mereiterite) See Also: GOOGLE, Athena, MinDAT, MinMax

Danalite Fe++4Be3(SiO4)3S NAME ORIGIN: Named after James Dwight Dana (1813-1895), American mineralogist and author of the Dana mineral classification.

Danbaite CuZn2 NAME ORIGIN: Named for the locality. LOCALITY: Danba, Sichuan Province, China.

Danburite CaB2(SiO4)2 NAME ORIGIN: Named after its location.

Danielsite (Cu,Ag)14HgS8 NAME ORIGIN: Named for John L. Daniels (1931-), who collected the mineral.

Dannemorite - Renamed * (see Manganogrunerite) See Also: GOOGLE, Athena, MinDAT, MinMax

Dansite Na21Mg(SO4)10Cl3 NAME ORIGIN: Named for Jean D'Ans (1881-1969), German chemist, Technical University, Berlin.

Daomanite * CuPtAsS2 NAME ORIGIN: Named for the locality. LOCALITY: Dao and Ma districts, Yanshan, China.

Daphnite * (see Chamosite) See Also: GOOGLE, Athena, MinDAT, MinMax

Daqingshanite-(Ce) (Sr,Ca,Ba)3(Ce,La)(PO4)(CO3)3-x(OH,F)x NAME ORIGIN: Named for a mountain, Daqingshan, near the Bayan Obo iron ore deposit.

Darapiosite KNa2Zr[Li(Mn,Zr)2Si12O30] NAME ORIGIN: Named for the locality. LOCALITY: Dara-i-Pioz, Alai Range, Tien Shan, northern Tadzhikistan.

Darapskite Na3(SO4)(NO3)·(H2O)

Dark Red Silver Ore * (see Pyrargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Dashkesanite * (see Potassic-chlorohastingsite) See Also: GOOGLE, Athena, MinDAT, MinMax

Dashkovaite ! Mg(HCOO)2·2(H2O) NAME ORIGIN: Named for E. R. Dashkova (1744-1796), former director of the Saint Petersburg Academy of Sciences.

Datolite CaBSiO4(OH) NAME ORIGIN: From the Greek, dateisthai, meaning "to divide," because granular aggregates crumble readily.

Daubreeite BiO(OH,Cl) NAME ORIGIN: Named for Gabriel Auguste Daubree (1814-1896), French mineralogist and geologist.

Daubreelite Fe++Cr2S4 NAME ORIGIN: For Professor Gabriel Auguste Daubree (1814-1896), of Paris, France.

Davanite K2TiSi6O15

Davidite-(Ce) (Ce,La)(Y,U)(Ti,Fe+++)20O38 NAME ORIGIN: Named for its composition and for Tenatt William Edgeworth David (1858-1934), Australian geologist.

Davidite-(La) (La,Ce,Ca)(Y,U)(Ti,Fe+++)20O38 NAME ORIGIN: Named for Tenatt William Edgeworth David (1858-1934), Australian geologist.

Davidite-(Y) * (see Gramaccioliite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax

Davisonite-mixture with apatite * (see Crandallite) See Also: GOOGLE, Athena, MinDAT, MinMax

Davisonite-mixture with crandallite * (see Apatite) See Also: GOOGLE, Athena, MinDAT, MinMax

Davreuxite MnAl6Si4O17(OH)2

Davyne Na4K2Ca2Si6Al6O24(SO4)Cl2

Dawsonite NaAl(CO3)(OH)2 NAME ORIGIN: Named after the Canadian

geologist, J. W. Dawson (1820-1899).
Dayingite ? ▲ CuCoPtS4
Deanesmithite ▲ Hg+2Hg++3Cr++++++O5S2 NAME ORIGIN: Named for Deane K. Smith (1930-2001), Pennsylvania State University, University Park, Pennsylvania, USA.
Decrespignyite-(Y) ! ▲ (Y,REE)4Cu(CO3)4Cl(OH)5·2(H2O) NAME ORIGIN: Named for Robert James Champion de Crespigny (1950-), Chancellor of the University of Adelaide, Australia.
Deerite ▲ (Fe++,Mn)6(Fe+++,Al)3Si6O20(OH)5
Defernite ▲ Ca6(CO3)2-x(SiO4)x(OH)7(Cl,OH)1-2x (x=0,5)
Dehrnite * (see Carbonate-fluorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Delafossite ▲ Cu+Fe+++O2 NAME ORIGIN: Named for Gabrial Delafosse (1796-1878), French mineralogist and crystallographer.
Delessite * (see Chamosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Delhayelite ▲ (Na,K)10Ca5Al6Si32O80(Cl2,F2,SO4)3·18(H2O) NAME ORIGIN: Named for Fernard Delhaye (1880-1946), Belgian geologist, a pioneer in the geological exploration of the northern Kivu region of Zaire.
Deliensite ! ▲ Fe++(UO2)2(SO4)2(OH)2·3(H2O) NAME ORIGIN: For Dr. Michel Deliens (1939-), Royal Belgian Institute of Natural Sciences, Brussels, in recognition oh his research on uranium bearing minerals.
Delindeite ▲ Ba2(Na,K,[ ])3(Ti,Fe)[Ti2(O,OH)4Si4O14](H2O,OH)2 NAME ORIGIN: Named for Henry deLinde, long time mineral collector and owner of the Diamond Jo quarry.
Dellaite ▲ Ca6Si3O11(OH)2 NAME ORIGIN: Named for Della Martin Roy (1926-), Pennsylvania State University geochemist who first synthesized this phase.
Dellaventuraite ! ▲ NaNa2(Mg2,Mn+++,Li,Ti)Si8O22O2 NAME ORIGIN: Named for Giancarlo Della Ventura, Università degli Studi di Roma Tre, for his extensive work on the crystal chemistry of synthetic amphiboles.
Deloneite-(Ce) ! ▲ NaCa2SrCe(PO4)3F NAME ORIGIN: For B. N. Delone (Delaunay) (1890-1980), Russian mathematical crystallographer.
Delorenzite * (see Tanteuxenite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Deloryite ▲ Cu++4(UO2)(MoO4)2(OH)6
Delrioite ▲ CaSrV2O6(OH)2·3(H2O) NAME ORIGIN: Named for Andres M. del Rio (1764-1849), Mexican mineralogist, who discovered vanadium.
delta13 dihydor d pimaric acid * (see Refikite) See Also: GOOGLE, Athena, MinDAT, MinMax
Deltaite-mixture with crandellite * (see Hydroxylapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Deltaite-mixture with hydroxylapatite * (see Crandallite) See Also: GOOGLE, Athena, MinDAT, MinMax
Delvauxite ▲ CaFe+++4(PO4,SO4)2(OH)8·4-6(H2O) (?) NAME ORIGIN: Named after J.S.P.J. Delvaux de Feuffe (1782-1863), Belgian chemist who first described and analyzed the mineral.
Demantoid - green * (see Andradite) See Also: GOOGLE, Athena, MinDAT, MinMax
Demesmaekerite ▲ Pb2Cu5(UO2)2(SeO3)6(OH)6·2(H2O) NAME ORIGIN: Named for Gaston Demesmaeker (1911-), Belgian mining geologist, who studied the Shikolobwe uranium deposits.
Denisovite ▲ (K,Na)Ca2Si3O8(F,OH)
Denningite ▲ (Mn,Zn)Te2O5

Dennisonite-mixture with apatite * (see Crandallite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dennisonite-mixture with crandallite * (see Apatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Deoderant Stone * (see Tschermigite) See Also: GOOGLE, Athena, MinDAT, MinMax
Derbylite (Fe+++,Fe++,Ti)7Sb+++O13(OH) NAME ORIGIN: Named after the American Geologist Orville A. Derby 1851 - 1915 founder of the Brazilian Geological Survey.
Derriksite Cu4(UO2)(SeO3)2(OH)6
Dervillite Ag2AsS2 NAME ORIGIN: For Dr. Henri Derville of Strasbourg University, Strasbourg, France.
Desaulsite * (see Pimelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Desautelsite Mg6Mn+++2(CO3)(OH)16·4(H2O) NAME ORIGIN: Named after Paul E. Desautels (1920-1991), curator of minerals at the U. S. National Museum of Natural History (Smithstonian Institution).
Descloizite PbZn(VO4)(OH) NAME ORIGIN: Named after the French mineralogist, Alfred Des Closzeaux (1817-1897).
Desmine * (see Stilbite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Desmine * (see Stilbite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Desourdyite * (see Iraqite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Desourdyite * (see Steacyite) See Also: GOOGLE, Athena, MinDAT, MinMax
Despujolsite Ca3Mn++++(SO4)2(OH)6·3(H2O)
Dessauite ! (Sr,Pb)(Y,U)(Ti,Fe+++)20O38 NAME ORIGIN: For Gabor Dessau (1907-1983), professor of ore mineralogy at the University of Pisa, Italy.
Destinezite - xtls * (see Diadochite) See Also: GOOGLE, Athena, MinDAT, MinMax
Devilline CaCu4(SO4)2(OH)6·3(H2O) NAME ORIGIN: Named after the French chemist, H. E. S. C. Deville (1818-1881). Named from its occurrence at Herrengrund, north of Neusohl, in Slovakia of Czechoslovakia.
Dewalquite * (see Ardennite) See Also: GOOGLE, Athena, MinDAT, MinMax
Deweylite * (see Clinochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Dewindtite Pb3[H(UO2)3O2(PO4)2]2·12(H2O) NAME ORIGIN: Named for Jean Dewindt, Belgian geologist.
Diaboleite Pb2CuCl2(OH)4 NAME ORIGIN: From the Greek dia, "difference" and the mineral Boleite.
Diadochite Fe+++2(PO4)(SO4)(OH)·6(H2O) NAME ORIGIN: From the Greek, diadochos, meaning "successor," presumably in allusion to its secondary origin.
Dialogite * (see Rhodochrosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Diamond C NAME ORIGIN: From the Greek, adamas, meaning "invincible" or "hardest."
Diaoyudaoite NaAl11O17
Diaphorite Pb2Ag3Sb3S8 NAME ORIGIN: From the Greek diaphora, "difference" as being distinct from freieslebenite.
Diaspore AlO(OH) NAME ORIGIN: From the Greek word "to scatter," referring to the mineral's easy disintegration in the blowpipe flame.
Dichroite * (see Cordierite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dickinsonite KNa4Ca(Mn++,Fe++)14Al(PO4)12(OH)2 NAME ORIGIN: Named for Reverend John William Dickinson (1835-1899), Redding, Connecticut, USA, an early collector of Branchville minerals.
Dickite Al2Si2O5(OH)4 NAME ORIGIN: Named after the Scottish chemist, A. B. Dick.
Dickthomssenite ! Mg(V+++++2O6)·7(H2O) NAME ORIGIN: Named after

Richard W. Thomssen (1933-), consulting geologist from Dayton, Nevada, USA.
Dienerite Ni3As NAME ORIGIN: Named after Karl Diener (1862-1928), Austrian paleontologist from Vienna who discovered the mineral.
Dietrichite (Zn,Fe++,Mn)Al2(SO4)4·22(H2O)
Dietzeite Ca2(IO3)2(CrO4)
Digenite Cu9S5 NAME ORIGIN: From the Greek for "two kinds" or "sexes," in reference to the presumed presence of both cuprous and cupric ions.
Dihydrite * (see Pseudomalachite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dilithium * Li2Te NAME ORIGIN: Named after it's composition.
Dillage * (see Diopside) See Also: GOOGLE, Athena, MinDAT, MinMax
Dimorphite As4S3 NAME ORIGIN: From the Greek for "two" and "form," in reference to the two forms in which the species was thought to occur.
Dinite * C20H36 NAME ORIGIN: Named for Olinto Dini (1802-1866), Italian teacher and professor of physics, University of Pisa.
Diomignite Li2B4O7
Diopside CaMgSi2O6 NAME ORIGIN: From the Greek dis - "two kinds" and opsis - "opinion."
Dioptase CuSiO2(OH)2 NAME ORIGIN: From the Greek, dia - "through" and optomai - "vision."
Discredited * (see Arsenobismite)
Discredited * (see Ashanite)
Discredited * (see Clinoholmquistite)
Discredited * (see Crossite)
Discredited * (see Donathite)
Discredited * (see Hydromolysite)
Discredited * (see Imgreite)
Discredited * (see Laubmannite)
Discredited * (see Magnesioanthophyllite)
Discredited * (see Magnesiogedrite)
Discredited * (see Magniotriplite)
Discredited * (see Monsmedite)
Discredited * (see Platynite)
Discredited * (see Pseudo-autunite)
Discredited * (see Schapbachite)
Discredited * (see Spodiosite)
Discredited * (see Tetranatrolite)
Discredited * (see Vanuranylite)
Discredited IMA 1987 * (see Sobotkite)
Discredited IMA 1995 * (see Lusungite)
Discredited IMA 1997 * (see Herschelite)
Discredited IMA 1997 * (see Magnesioclinoholmquistite)
Discredited IMA 1997 * (see Yftisite-(Y))
Discredited IMA 2001 * (see Duhamelite)
Discredited IMA 2002 * (see Squawcreekite)
Dissakisite-(Ce) Ca(Ce,REE)(Mg,Fe++)(Al,Fe+++)2Si3O12(OH) NAME ORIGIN: From the Greek for "twice over," for a magnesium analog of allanite being described twice.
Dissakisite-(La) ! (Ca,Fe,Th)(REE,Ca)(Al,Cr,Ti)2(Mg,Fe,Al)Si3O12(OH,F) with La > Ce NAME ORIGIN: Commission on New Minerals and Mineral Names

(CNMMN)
Disthene * (see Kyanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dittmarite (NH4)Mg(PO4)·(H2O)
Diversilite-(Ce) ! Na2(Ba,K)6Ce2Fe++Ti3Si12O36(OH)3(OH,H2O)9 NAME ORIGIN: Name for the Latin *diversus* (hetrogeneous) and silicate, reflecting the main structural features.
Dixenite Cu+Mn++14Fe+++(As+++O3)5(SiO4)2(As+++++O4)(OH)6
Djalmaite * (see Uranmicrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Djerfisherite K6Na(Fe,Cu,Ni)25S26Cl NAME ORIGIN: Named for Daniel Jerome Fisher (1896-1988), American mineralogist.
Djurleite Cu31S16 NAME ORIGIN: For S. Djurle, who first synthesized the compound later found in nature.
Dmisteinbergite CaAl2Si2O8
Dolerophanite Cu2(SO4)O NAME ORIGIN: From the Greek "DOLEROS" = misleading and "PHANESTAI" = appearance, in allusion to its low content of copper
Dollaseite-(Ce) CaCeMg2AlSi3O11(OH,F)2
Dolomite CaMg(CO3)2 NAME ORIGIN: Named after the French mineralogist and geologist, Deodat Guy Tancrede Gratet de Dolomieu (1750-1801).
Doloresite H8V++++6O16 NAME ORIGIN: Named for the locality. LOCALITY: La Sal No. 2 mine, Lumsden Canyon, Gateway District, Dolores River, southwestern Colorado, USA.
Domeykite Cu3As NAME ORIGIN: Named after the Chilean mineralogist, I. Domeyk (1802-1889).
Donathite ? (Fe++,Mg)(Cr,Fe+++)2O4
Donbassite Al2[Al2.33][Si3AlO10](OH)8 NAME ORIGIN: Named in 1940 for the location.
Donharrisite Ni8Hg3S9 NAME ORIGIN: Named for Donald C. Harris (1936-), Canadian mineralogist.
Donnayite-(Y) Sr3NaCaY(CO3)6·3(H2O) NAME ORIGIN: Named for Joseph Desire Hubert Donnay (1902-1994), Belgian-American-Canadian crystallographer and minereralogist and Gabrielle (Hamburger) Donnay (1920-1987), American Canadian mineralogi
Donpeacorite (Mn,Mg)MgSi2O6
Dorallcharite (Tl,K)Fe+++3(SO4)2(OH)6
Dorfmanite Na2(PO3OH)·2(H2O) NAME ORIGIN: Named for Moisei Davidovich Dorfman (1908-), Russian mineralogist who first reported a sodium phosphate in 1963.
Dorrite Ca2Mg2Fe+++4(Al,Fe+++)4Si2O20 NAME ORIGIN: Named for John A. Dorr (1922-1986), University of Michigan.
Doughtyite * (see Alunogen) See Also: GOOGLE, Athena, MinDAT, MinMax
Douglasite K2Fe++Cl4·2(H2O) NAME ORIGIN: Named after its discovery locality. LOCALITY: Found at Douglasschall, northwest of Stassfurt, Germany.
Doverite * (see Synchysite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Downeyite SeO2
Doyleite Al(OH)3
Dozyite (Mg7Al2)(Si4Al2)O15(OH)12 NAME ORIGIN: For the locality. LOCALITY: Ertsberg East complex, Carstensz Mountains, central Irian Jaya,

Indonesia. Wood Chrome mine, Lancaster Co., Pennsylvania, USA.
Dravite NaMg3Al6(BO3)3Si6O18(OH)4 NAME ORIGIN: After its locality. LOCALITY: Drava River, Austria.
Dravite - (61.3.1.9) * (see Dravite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dresserite BaAl2(CO3)2(OH)4·(H2O)
Dreyerite BiVO4
Drugmanite Pb2(Fe+++,Al)H(PO4)2(OH)2
Drysdallite Mo(Se,S)2 NAME ORIGIN: For A.R. Drysdall, Director, Geological Survey of Zambia.
Dufrenite Fe++Fe+++4(PO4)3(OH)5·2(H2O) NAME ORIGIN: Named for Armand Small Dufrenoy (1792-1857), French mineralogist and geologist.
Dufrenoysite Pb2As2S5 NAME ORIGIN: For Ours Pierre Armand Petit Dufrenoy (1792-1857), French mineralogist, National School of Mines, Paris, France.
Duftite-alpha PbCu(AsO4)(OH) NAME ORIGIN: Named in 1920 for G. Duft, general manager of the mine at Tsumeb, Namibia.
Duftite-beta PbCu(AsO4)(OH) NAME ORIGIN: Named in 1920 for G. Duft, general manager of the mine at Tsumeb, Namibia.
Dugganite Pb3Zn3Te(As,V,Si)2(O,OH)14 NAME ORIGIN: Named after Marjorie Duggan, analytical chemist, in reference to her discovery of Te6+ [hexavalent tellurium] in nature.
Duhamelite ? Pb2Cu4Bi(VO4)4(OH)3·8(H2O) NAME ORIGIN: Named in 1981 for J. E. DuHamel, geologist, Phelps Dodge Corp., who found the mineral.
Duhamelite * (see Mottramite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dukeite ! Bi+++24Cr++++++8O57(OH)6(H2O)3 NAME ORIGIN: Named for Duke University, Duham, North Carolina, USA and for the Mary Duke Biddle Foundation.
Dumontite Pb2(UO2)3O2(PO4)2·5(H2O) NAME ORIGIN: Named for A.H. Dumont
Dumortierite Al6.5-7(BO3)(SiO4)3(O,OH)3 NAME ORIGIN: Named after the French paleontologist, M. E. Dumortier (1803-1873).
Dundasite PbAl2(CO3)2(OH)4·(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Dundas and Mt. Read, Tasmania.
Duplicate (see 28-4-6-1) * (see Klyuchevskite-Duplicate) See Also: GOOGLE, Athena, MinDAT, MinMax
Durangite NaAl(AsO4)F
Duranusite As4S NAME ORIGIN: Named for the locality. LOCALITY: Duranus, Alpes-Meritimes, France. Mina Capillitas, an epithermal deposit in the Province of Catamarca, Argentina.
Durdenite * (see Emmonsite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dusmatovite K(K,Na,[ ])(Mn++,Y,Zr)2(Zn,Li)3Si12O30 NAME ORIGIN: For Vyacheslav Djuraevitch Dusmatov (1936-), Mineralogist and geologist who has done much work at the locality. LOCALITY: The Dara-i-Pioz alkaline massif, Tien Shan, Tajikistan.
Dussertite BaFe+++3(AsO4)2(OH)5
Duttonite V++++O(OH)2
Dwornikite (Ni,Fe++)SO4·(H2O)
Dypingite Mg5(CO3)4(OH)2·5(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Dypingdal serpentine-magnesite deposit, Snarum, Norway.

Dysanalyte (Nb) * (see Perovskite) See Also: GOOGLE, Athena, MinDAT, MinMax
Dyscrasite Ag3Sb NAME ORIGIN: From the Greek, meaning "bad alloy."
Dzhalindite In(OH)3
Dzharkenite FeSe2 NAME ORIGIN: Named after its locality. LOCALITY: In the Suluchekinskoye Se-U deposit, Dzharkenskaya depression, SE Kazakhstan.
Dzhezkazganite ? (Pb,Cu,Rh)S2 (?)

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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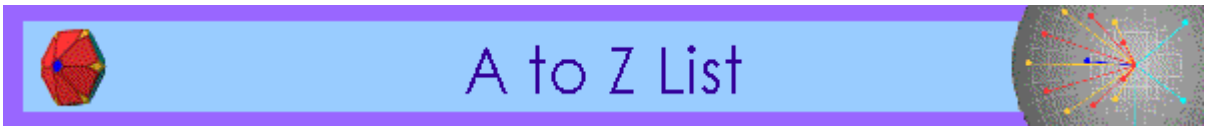

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E Index of Mineral Species

This alphabetical listing of **E minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Eakerite ▲ $Ca_2SnAl_2Si_6O_{18}(OH)_2 \cdot 2(H_2O)$ NAME ORIGIN: Named in honor of Mr. Jack Eaker who was a mining engineer at the Foote lithium Company spodumene mine at King's Mountain, NC.

Eakleite * (see Xonotlite) See Also: GOOGLE, Athena, MinDAT, MinMax

Eardleyite-Zn * (see Takovite) See Also: GOOGLE, Athena, MinDAT, MinMax

Earlandite ▲ $Ca_3(C_6H_5O_7) \cdot 4(H_2O)$ NAME ORIGIN: Named for Arthur Earland, English oceanographer.

Earlshannonite ▲ $(Mn,Fe^{++})Fe^{+++}_2(PO_4)_2(OH)_2 \cdot 4(H_2O)$ NAME ORIGIN: Named for Earl V. Shannon (1895-1981), American mineralogist and chemist, U. S. National Museum, Washington, D.C., USA.

Eastonite ! ▲ $KMg_2Al[Al_2Si_2O_{10}](OH)_2$ NAME ORIGIN: Named for the locality. LOCALITY: Easton, Pennsylvania, USA

Ecandrewsite ▲ $(Zn,Fe^{++},Mn^{++})TiO_3$ NAME ORIGIN: Named for Ernest Clayton Andrews (1870-1948), New South Wales government geologist, who mapped the

Broken Hill Region.
Ecdemite Pb6As+++2O7Cl4 NAME ORIGIN: Named from the Greek for "unusual", in reference to the composition.
Echellite * (see Levyne-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Echellite * (see Levyne-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Eckermannite NaNa2(Mg4Al)Si8O22(OH)2
Eclarite Pb9(Cu,Fe)Bi12S28 NAME ORIGIN: Named for Professor E. Clar of Vienna, Austria.
Edenharterite TlPbAs3S6 NAME ORIGIN: Named in 1992 for Andreas Edenharter (b.1933), Swiss crystal chemist.
Edenite NaCa2Mg5Si7AlO22(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Edenville, Orange County, New York, USA.
Edgarbaileyite Hg+6Si2O7
Edgarite ! FeNb3S6 NAME ORIGIN: Named after Alan D. Edgar (1935-1998), Professor of Petrology, University of Western Ontario, London, Ontario, Canada, in recognition of his contributions to the study of alkaline rocks a
Edingtonite BaAl2Si3O10·4(H2O) NAME ORIGIN: Named after the discoverer of the mineral, Edington from Glasgow, Scotland.
Edoylerite Hg++3Cr++++++O4S2 NAME ORIGIN: Named for Edward H. Oyler (1915-), American mineral collector specializing in mercury minerals.
Effenbergerite BaCuSi4O10 NAME ORIGIN: Named after Dr. Herta S. Effenberger, mineralogist and crystallographer of the University of Vienna.
Efremovite (NH4)2Mg2(SO4)3 NAME ORIGIN: Named for Ivan Antonovich Yefremov (1907-1972), Russian geologist.
Eggletonite Na2Mn8[Si11AlO29](OH)7·11(H2O) NAME ORIGIN: Named for R. A. Eggleton, Australian National University.
Eglestonite Hg6Cl3O(OH) (?) NAME ORIGIN: Named for T. E. Egleston.
Ehlite * (see Pseudomalachite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ehrleite Ca2ZnBe(PO4)2(PO3,OH)·4(H2O) NAME ORIGIN: Named for Howard Ehrle of Miles City, Montana, who found the mineral.
Eichwaldite * (see Jeremejevite) See Also: GOOGLE, Athena, MinDAT, MinMax
Eifelite KNa3Mg4Si12O30
Eisen * (see Iron) See Also: GOOGLE, Athena, MinDAT, MinMax
Eitelite Na2Mg(CO3)2
Ekanite ThCa2Si8O20
Ekanite * (see Iraqite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Ekaterinite Ca2B4O7(Cl,OH)2·2(H2O)
Ekatite ! (Fe+++,Fe++,Zn)12(OH)6[AsO3]6[AsO3,HOSiO3]2 NAME ORIGIN: Named for Dieter Ekat (1935-1996), Namibian mining engineer.
Ekmanite ? (Fe++,Mg,Mn,Fe+++)3(Si,Al)4O10(OH)2·2(H2O)
Elaeolite * (see Nepheline) See Also: GOOGLE, Athena, MinDAT, MinMax
Elbaite Na(Li,Al)3Al6(BO3)3Si6O18(OH)4 NAME ORIGIN: Named after its locality. LOCALITY: Island of Elba, Italy.
Elbaite - (61.3.1.6) * (see Elbaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Electrum - Ag Alloy * (see Gold) See Also: GOOGLE, Athena, MinDAT, MinMax
Electrum - Au Alloy * (see Silver) See Also: GOOGLE, Athena, MinDAT, MinMax
Elfstorpite - Discredited 2004 * (see Allactite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ellenbergerite Mg6TiAl6Si8O28(OH)10
Ellestadite * Ca5(SiO4,PO4,SO4)3(F,OH,Cl) NAME ORIGIN: Named for

Reuben B. Ellestad (1900-1993), American analytical chemist of Minneapolis, Minnesota, USA.

Ellisite Tl3AsS3 NAME ORIGIN: Named for Albert J. Ellis (1929-), New Zealand geochemist.

Ellsworthite * (see Komarovite) See Also: GOOGLE, Athena, MinDAT, MinMax

Elpasolite K2NaAlF6 NAME ORIGIN: Named for the locality LOCALITY: St Peters Dome, El Paso County, Colorado, USA

Elpidite Na2ZrSi6O15·3(H2O) NAME ORIGIN: From the Greek "ELPIS" = hope, in allusion to the hope of finding another mineral in the layer

Elsmoreite ! WO3·0.5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Zinc mine of Elsmore, New England district, New South Wales, Australia.

Elyite Pb4Cu(SO4)O2(OH)4·(H2O) NAME ORIGIN: Named for John Ely, an important figure in the early mining history of eastern Nevada.

Embolite * Ag(Br,Cl) NAME ORIGIN: From the Greek for "intermediate" alluding to the 50:50 mixture of chloride and bromide in the formula.

Embolite-Br * (see Chlorargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Embolite-Cl * (see Bromargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Embreyite Pb5(CrO4)2(PO4)2·(H2O) NAME ORIGIN: Named for P. G. Embry

Emeleusite Na4Li2Fe+++2Si12O30

Emerald - green * (see Beryl) See Also: GOOGLE, Athena, MinDAT, MinMax

Emerald Nickel * (see Zaratite) See Also: GOOGLE, Athena, MinDAT, MinMax

Emilite ! Cu10.7Pb10.7Bi21.3S48 NAME ORIGIN: Presumabley named for Emil Makovicky of the University of Copenhagen.

Emmonsite Fe+++2Te++++3O9·2(H2O) NAME ORIGIN: Named for S. F. Emmons

Emplectite CuBiS2 NAME ORIGIN: From the Greek emplektos, "interwoven."

Empressite AgTe NAME ORIGIN: Named for the locality. LOCALITY: Empress Josephine mine, Saguache County and Red Cloud mine, Bolder County, Colorado, USA.

Enargite Cu3AsS4 NAME ORIGIN: From the Greek enarges - "obvious."

Endellionite * (see Bournonite) See Also: GOOGLE, Athena, MinDAT, MinMax

Endellite ? Al2Si2O5(OH)4·2(H2O) NAME ORIGIN: Named in 1943 for Kurt Endell (1887{?), German geologist, one of the discoverers of the mineral.

Endellite * (see Halloysite) See Also: GOOGLE, Athena, MinDAT, MinMax

Endlichite(As) * (see Vanadinite) See Also: GOOGLE, Athena, MinDAT, MinMax

Englishite K3Na2Ca10Al15(PO4)21(OH)7·26(H2O) NAME ORIGIN: Named for George L. English (1864-1944), American mineral dealer and collector.

Enstatite Mg2Si2O6 NAME ORIGIN: From the Greek enstates - "opponent."

Eosphorite MnAl(PO4)(OH)2·(H2O) NAME ORIGIN: Named from the Greek for "dawn-bearing," in allusion to the pink color.

Ephesite NaLiAl2(Al2Si2)O10(OH)2 NAME ORIGIN: Named after the locality. LOCALITY: Gumuchdahg, Ephesus, near Izmir, Turkey.

Epidesmine * (see Stilbite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax

Epididymite NaBeSi3O7(OH) NAME ORIGIN: From the Greek epi, "near" and didymos, "twin", for its dimorphous relationship with eudidymite

Epidote Ca2(Fe+++,Al)3(SiO4)3(OH) = Ca2(Fe,Al)Al2(SiO4)(Si2O7)O(OH) NAME ORIGIN: From the Greek epidosis - "addition."

Epistilbite CaAl2Si6O16·5(H2O) NAME ORIGIN: From the Greek epi - "near"

and the mineral Stilbite.
Epistolite Na4Nb2Ti(Si2O7)2O2(OH)2·4(H2O) NAME ORIGIN: Named for the Greek for "letter" in allusion to the flat, rectangular form and white color.
Epsom Salts * (see Epsomite) See Also: GOOGLE, Athena, MinDAT, MinMax
Epsomite MgSO4·7(H2O) NAME ORIGIN: The mineral has long been known from the deposits associated with the mineral waters at Epsom, Surrey, England.
Ercitite ! Na(Mn+++,Fe+++)(PO4)(OH)·2(H2O) NAME ORIGIN: Named for mineralogist T. Scott Ercit (1957-) of the Canadian Museum of Nature, Ottawa, Canada.
Erdite NaFeS2·2(H2O) NAME ORIGIN: For Richard C. Erd (1924-), mineralogist with the U.S. Geological Survey.
Eremeyevite * (see Jeremejevite) See Also: GOOGLE, Athena, MinDAT, MinMax
Eremyeevite * (see Jeremejevite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ericaite (Fe++,Mg,Mn)3B7O13Cl NAME ORIGIN: Named for the purple color of flowers from the genus Erica (Heather).
Ericssonite BaMn++2Fe+++O[Si2O7](OH) NAME ORIGIN: Named for John E. Ericsson (1803-1883), Swedish-born American engineer and inventor, designer of the iron-clad ship Monitor.
Erinite * (see Cornwallite) See Also: GOOGLE, Athena, MinDAT, MinMax
Eriochalcite CuCl2·2(H2O) NAME ORIGIN: From the Greek erion = "wool" and kalcos= "copper", in allusion to its form and to the chemical composition.
Erionite-Ca ! (Ca,K2,Na2)2[Al4Si14O36]·15(H2O) NAME ORIGIN: From the Greek for wool, in allusion to its white, fibrous, wool-like appearance. The Ca-dominant member of the erionite series.
Erionite-K ! (K2,Ca,Na2)2[Al4Si14O36]·15(H2O) NAME ORIGIN: From the Greek for wool, in allusion to its white, fibrous, wool-like appearance. The K-dominant member of the erionite series.
Erionite-Na (Na2,K2,Ca)2[Al4Si14O36]·15(H2O) NAME ORIGIN: From the Greek for wool, in allusion to its white, fibrous, wool-like appearance. Na modifier added by zeolite nomenclatrue committee.
Erlianite (Fe++,Mg)4(Fe+++,V+++)2[Si6O15](O,OH)8 NAME ORIGIN: Named for the locality. LOCALITY: Harhada iron deposit, near the Jining-Erlian railway, Inner Mongolia, China.
Erlichmanite OsS2 NAME ORIGIN: For Joseph Erlichman, electron probe analyst, who analyzed a number of new minerals.
Ernienickelite NiMn++++3O7·3(H2O) NAME ORIGIN: Named for Ernest (Ernie) Henry Nickel (1925-), Canadian-Australian mineralogist, Commonwealth Scientific and Industrial Research Organization (CISRO) and International Mineralogical Assoc
Erniggliite Tl2SnAs2S6 NAME ORIGIN: Named in 1992 for Ernst Niggli (b.1917), Swiss mineralogist.
Ernstite (Mn++1-xFe+++x)Al(PO4)(OH)2-xOx NAME ORIGIN: Named for Theodor K. A. Ernst (1904-), mineralogist, University of Erlangen, Germany.
Ershovite Na4K3(Fe++,Mn++,Ti)2Si8O20(OH)4·5(H2O) NAME ORIGIN: Named after Prof. Vadim Viktorovich Ershov (1939-1989) of the Moscow Mining Institute.
Ertixiite Na2Si4O9 NAME ORIGIN: Named for the locality. LOCALITY: Altai No. 3 pegmatite, Ertixi River, Fuyun, Xinjiang Autonomous Region, China.

Erythrite Co3(AsO4)2·8(H2O) NAME ORIGIN: Named from the Greek, erythros for "red."
Erythrosiderite K2Fe+++Cl5·(H2O) NAME ORIGIN: Named from the Greek, erythros = "red" and sideros = "iron."
Eschynite * (see Aeschynite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Eschynite * (see Aeschynite-(Nd)) See Also: GOOGLE, Athena, MinDAT, MinMax
Eschynite * (see Aeschynite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Eskebornite CuFeSe2 NAME ORIGIN: For the Eskeborn adit, Tilkerode, Germany, where first discovered.
Eskimoite Ag7Pb10Bi15S36 NAME ORIGIN: Named for the Eskimos, the natives of Greenland.
Eskolaite Cr2O3 NAME ORIGIN: Named for Pentti Eelis Eskola (1883-1964), of the University of Helsinki, Helsinki, Finland.
Esmeraldaite * (see Lepidocrocite) See Also: GOOGLE, Athena, MinDAT, MinMax
Esmeraldite * (see Lepidocrocite) See Also: GOOGLE, Athena, MinDAT, MinMax
Esperanzaite ! NaCa2Al2(As+++++O4)2F4(OH)·2(H2O) NAME ORIGIN: Named after the discovery locality. LOCALITY: La Esperanza mine, Zaragosa mining district, near Madero, State of Durango, Mexico.
Esperite PbCa3Zn4(SiO4)4 NAME ORIGIN: Named for Esper Signius Larsen, Jr. (1879-1961), petrologist and Professor of Geology, Harvard University.
Esseneite CaFe+++AlSiO6
Ethanamide * (see Acetamide) See Also: GOOGLE, Athena, MinDAT, MinMax
Ettringite Ca6Al2(SO4)3(OH)12·26(H2O) NAME ORIGIN: Named for the locality LOCALITY: Ettringer Bellerberg, Ettringen, Mayen, Eifel, Rheinland-Pfalz, Germany
Eucairite CuAgSe NAME ORIGIN: From the Greek for "opportunity," because it was discovered shortly after discovery of the element selenium.
Euchlorine KNaCu++3(SO4)3O
Euchroite Cu2(AsO4)(OH)·3(H2O) NAME ORIGIN: From the Greek eu - "good" and chros - "color."
Euclase BeAlSiO4(OH) NAME ORIGIN: From the Greek eu - "well" and klasis - "breaking."
Eucryptite LiAlSiO4
Eudialyte Na4(Ca,Ce)2(Fe++,Mn,Y)ZrSi8O22(OH,Cl)2 (?) NAME ORIGIN: From the Greek eu - "well" and dialytos - "decomposable."
Eudidymite NaBeSi3O7(OH)
Eugenite Ag9Hg2 NAME ORIGIN: Named for Eugen Friedrich Stumpfl (1931-), Mineralogist, Mining University Leoben, Austria.
Eugsterite Na4Ca(SO4)3·2(H2O) NAME ORIGIN: Named for Hans P. Eugster (1925-1987), Swiss-American mineralogist, John Hopkins University, awarded the Roebling Medal, 1983.
Eulytine * (see Eulytite) See Also: GOOGLE, Athena, MinDAT, MinMax
Eulytite Bi4(SiO4)3 NAME ORIGIN: From the Greek eulitos = "easily liquefiable", in allusion to its low melting point.
Euxenite-(Y) (Y,Ca,Ce)(Nb,Ta,Ti)2O6 NAME ORIGIN: From the Greek for "friendly to strangers, hospitable," in allusion to the rare elements that it contains.
Evansite Al3(PO4)(OH)6·6(H2O) (?) NAME ORIGIN: Named after the English metallurgist, Brooke Evans (1797-1862),
Eveite Mn2(AsO4)(OH) NAME ORIGIN: Named for its structural and

chemical simularities to adamite.
Evenkite (CH3)2(CH2)22 NAME ORIGIN: Names after its locality LOCALITY: Evenki Region, Lower Tunguska River, Siberia, Russia.
Eveslogite ! (Ca,K,Na,Sr,Ba)48[(Ti,Nb,Fe,Mn)12(OH)12Si48O144](F,OH,Cl)14 NAME ORIGIN: Named for the locality LOCALITY: Mt. Eveslogchorr, Khibiny alkaline massif, Kola Peninsula, Russia.
Ewaldite (Ba,Sr)(Ca,Na,Y,Ce)(CO3)2 NAME ORIGIN: Named for Paul P. Ewald (1888-1985), German crystallographer, founder of Acta Crystallographica, and professor at Brooklyn Polytechnical Institute, New, York.
Eylettersite (Th,Pb)1-xAl3(PO4,SiO4)2(OH)6 (?) NAME ORIGIN: Named for Mme. Van Wambeke, wife of the discoverer.
Eyselite ! Fe+++Ge++++3O7(OH) NAME ORIGIN: Named for Walter Hans Eysel (1935-1999), Professor of Crystallography at the Ruprecht-Karls-Universität, Heidelberg, Germany, for his contributions to the study of germanates.
Ezcurrite Na4B10O17·7(H2O)
Eztlite Pb2Fe+++6(Te++++O3)3(Te++++++O6)(OH)10·8(H2O) NAME ORIGIN: Named from the Nahua "eztli," blood, in allusion to the color of the mineral.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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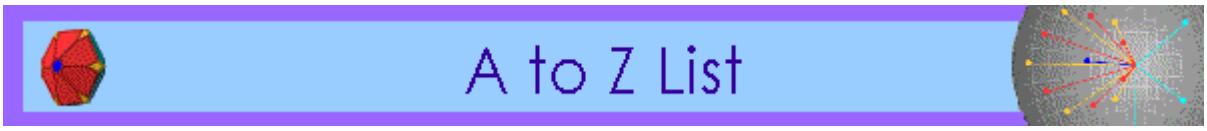

[Up] [A Minerals] [B Minerals] [C Minerals] [D Minerals] [E Minerals] [F Minerals] [G Minerals] [H Minerals] [I Minerals]
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F Index of Mineral Species

This alphabetical listing of **F minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Fabianite ▲ $CaB_3O_5(OH)$
Facellite * (see Kaliophilite) See Also: GOOGLE, Athena, MinDAT, MinMax
Faheyite ▲ $(Mn,Mg)Fe^{+++}_2Be_2(PO_4)_4 \cdot 6(H_2O)$
Fahleite ▲ $Zn_5CaFe^{+++}_2(AsO_4)_6 \cdot 14(H_2O)$ NAME ORIGIN: Named for Rolfe Fahle of Munich, Germany, a mineral dealer specializing in Tsumeb specimens.
Fairbankite ▲ $PbTe^{++++}O_3$ NAME ORIGIN: Named for N. K. Fairbank.
Fairchildite ▲ $K_2Ca(CO_3)_2$ NAME ORIGIN: Named after John Gifford Fairchild (1882-1965), analytical chemist at the U. S. Geological Survey.
Fairfieldite + ▲ $Ca_2(Mn,Fe^{++})(PO_4)_2 \cdot 2(H_2O)$ NAME ORIGIN: Named for the locality. LOCALITY: Branchville, Redding, Fairfield County, Connecticut, USA

Falcondoite (Ni,Mg)4Si6O15(OH)2·6(H2O) NAME ORIGIN: Named for the contraction of FALCONbridge DOminica C. Por A., the mining company at the type locality. LOCALITY: Loma Peruera laterite deposit at Bonao, Dominican Republic.
Falkmanite Pb5Sb4S11 NAME ORIGIN: Named for O.C.A. Falkman.
False Galena * (see Sphalerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Famatinite Cu3SbS4 NAME ORIGIN: Named after its locality. LOCALITY: Sierra de Famatina, La Rioja, Argentina.
Fangite Tl3AsS4 NAME ORIGIN: Fangite was named for Jen-Ho Fang in honor of his numerous contributions to crystallography, crystal chemistry, and geostatistics.
Farringtonite Mg3(PO4)2
Fassaite * (see Augite) See Also: GOOGLE, Athena, MinDAT, MinMax
Faujasite * (see Faujasite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Faujasite-Ca ! (Ca,Na2,Mg)3.5[Al7Si17O48]·32(H2O) NAME ORIGIN: Named after Barthelemy Faujas de Saint Fond (1741-1819), French geologist and writer on the origin of volcanoes. The Ca-dominant member of the faujasite series.
Faujasite-Mg ! (Mg,Na2,Ca)3.5[Al7Si17O48]·32(H2O) NAME ORIGIN: Named after Barthelemy Faujas de Saint Fond (1741-1819), French geologist and writer on the origin of volcanoes. The Mg-dominant member of the faujasite series.
Faujasite-Na (Na2,Ca,Mg)3.5[Al7Si17O48]·32(H2O) NAME ORIGIN: Named after Barthelemy Faujas de Saint Fond (1741-1819), French geologist and writer on the origin of volcanoes.
Faustite (Zn,Cu)Al6(PO4)4(OH)8·4(H2O) NAME ORIGIN: Named for George Tobias Faust (1908-1985), mineralogist and geologist, U. S. Geological Survey.
Fava pebbles * (see Gorceixite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fayalite Fe++2SiO4 NAME ORIGIN: Named for the locality LOCALITY: Fayal Island, Azores
Feather Alum * (see Halotrichite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fedorite KNa4Ca4(Al,Si)16O36(OH,F)4·6(H2O) NAME ORIGIN: Named for Evgraf Stepanovich Fedorov (1853-1919), eminent Russian crystallographer.
Fedorovskite Ca2(Mg,Mn)2B4O7(OH)6
Fedotovite K2Cu++3(SO4)3O NAME ORIGIN: Named for S. A. Fedotov (1931-), Russian geologist.
Feinglosite ! Pb2(Zn,Fe)[(As,S)O4]2·(H2O) NAME ORIGIN: Named after Mark N. Feinglos (b. 1948), Professor at the Duke University Medical Center, Durham, North Carolina, U.S.A., who discovered the mineral.
Feitknechtite beta-Mn+++O(OH) NAME ORIGIN: Named for Walter Feitknecht (1899-1975), Swiss, professor of chemistry, University of Bern.
Feklichevite ! Na11Ca9(Fe+++,Fe++)2Zr3Nb[Si25O73](OH,H2O,Cl,O)5 NAME ORIGIN: Named for V. G. Feklichev (1933-1999), Russian mineralogist.
Felbertalite ! Cu2Pb6Bi8S19 NAME ORIGIN: Named for the locality. LOCALITY: Felbertal valley, Salzburg Province, Austria.
Felsobanyaite Al4(SO4)(OH)10·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Baia Sprie, Maramures, Romania (formerly known as Felsobanya, in Hungary).
Fenaksite (K,Na,Ca)4(Fe++,Fe+++,Mn)2Si8O20(OH,F) NAME ORIGIN: Named for the Fe, Na, K, and Si in the formula.
Fencooperite ! Ba6Fe+++3Si8O23(CO3)2Cl3·H2O NAME ORIGIN: Named for

Joseph Fenimore Cooper, Jr. (1937-), mineral collector of Santa Cruz, California, USA.

Fer * (see Iron) See Also: GOOGLE, Athena, MinDAT, MinMax

Ferberite Fe++WO4 NAME ORIGIN: Named after Moritz Rudolph Ferber (1805-1875) of Gera, Germany.

Ferchromide Cr3Fe1-x(x=0,6) NAME ORIGIN: For the chemical composition, FERrum, iron, and CHROMium.

Ferdisilicite * FeSi2

Fergusonite-(Ce) * (Ce,La,Y)NbO4 NAME ORIGIN: For the relationship to fergusonite-(Y) and the cerium content.

Fergusonite-(Nd) * (Nd,Ce)(Nb,Ti)O4 NAME ORIGIN: Named for the composition and a member of the fergusonite group.

Fergusonite-(Y) YNbO4 NAME ORIGIN: Named for Robert Ferguson (1767-1840), Scottish advocate, politician, and mineralogist.

Fergusonite-beta-(Ce) (Ce,La,Nd)NbO4 NAME ORIGIN: Named for the dimorphous relationship to fergusonite-(Ce).

Fergusonite-beta-(Nd) (Nd,Ce)NbO4 NAME ORIGIN: Named for the dimorphous relationship to fergusonite-(Nd).

Fergusonite-beta-(Y) YNbO4

Fermorite (Ca,Sr)5(AsO4,PO4)3(OH)

Fernandinite CaV8O20·4(H2O) NAME ORIGIN: Named for Eulagio E. Fernanadini, former owner of the Minasragra deposit.

Feroxyhyte Fe+++O(OH) NAME ORIGIN: Named for the composition (Ferric, Oxygen, Hydroxide).

Ferrarisite Ca5(AsO3OH)2(AsO4)2·9(H2O)

Ferrazite ? (Pb,Ba)3(PO4)2·8(H2O) (?) NAME ORIGIN: Named in 1919 for Jorge Palmiro de Araujo Ferraz (1883-1926) of the Geological Survey of Brazil.

Ferri-annite * (see Tetra-ferri-annite) See Also: GOOGLE, Athena, MinDAT, MinMax

Ferri-clinoferroholmquistite ! [ ]Li2(Fe+++2Fe++3)Si8O22(OH)2 NAME ORIGIN: Named for Johan Holmquist (1866-1946) and the Fe++ and Fe+++ clinoamphiboles.

Ferri-clinoholmquistite ! [ ]Li2Mg3(Fe3+)2(Si8O22)(OH)2 NAME ORIGIN: The name reflects its composition, monoclinic crystal structure, and relationship to holmquistite in accord with the nomenclature of Leake (1978a, 1978b)

Ferri-ferrobarroisite ! [ ]CaNa(Fe++)3(Fe+++)2(Si7Al)O22(OH)2

Ferri-ferrotschermakite ! [ ]Ca2(Fe2+)3(Fe3+)2(Si6Al2)O22(OH)2 NAME ORIGIN: Named for its composition and for Gustav Tschermak von Sessenegg (1836-1927), Austrian mineralogist.

Ferri-magnesiotaramite ! NaCaNaMg3Fe+++2[Si6Al2O22](OH)2 NAME ORIGIN: Proposed IMA amphibole committee endmember name 1987.

Ferri-ottoliniite ! [ ](Na,Li)(Mg3Fe+++2)Si8O22(OH)2 NAME ORIGIN: Named for Luisa Ottolini (b. 1954), of CNR - Istituto di Geoscienze e Georisorse, Pavia, Italy, for her fundamental contributions to the advancement of ion-probe analysis of rock-forming

Ferri-phlogopite * (see Tetra-ferriphlogopite) See Also: GOOGLE, Athena, MinDAT, MinMax

Ferriallanite-(Ce) ! CaCe(Fe+++,Fe++,Al)3[SiO4][Si2O7]O(OH) NAME ORIGIN: Named as the Fe3+ analogue of allanite-(Ce)

Ferriannite * (see Tetra-ferri-annite) See Also: GOOGLE, Athena, MinDAT, MinMax

Ferribarroisite CaNa(Fe++,Mg)3Fe+++2[AlSi7O22](OH)2

Ferribiotite * (see Tetra-ferri-annite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferribrackebushite * (see Calderonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferric-ferronyboite ! ▲ NaNa2(Fe++)3(Fe+++)2(Si7Al)O22(OH)2
Ferric-nyboite * (see Obertiite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferrichromite-magnetic, altered * (see Chromite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferricopiapite ● ■ ▲ Fe+++2/3Fe+++4(SO4)6(OH)2·20(H2O)
Ferridravite * (see Povondraite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferrierite * (see Ferrierite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferrierite-K ! ● ▲ (K,Na)2Mg(Si,Al)18O36·9(H2O) NAME ORIGIN: Named for Walter Frederick Ferrier (1865-1950), Canadian geologist and mining engineer. The K-dominant member of the ferrierite series.
Ferrierite-Mg ● ▲ (Mg,Na,K)2Mg(Si,Al)18O36·9(H2O) NAME ORIGIN: Named for Walter Frederick Ferrier (1865-1950), Canadian geologist and mining engineer. Mg modifier added by zeolite nomenclature committee.
Ferrierite-Na ! ● ■ ▲ (Na,K)2Mg(Si,Al)18O36·9(H2O) NAME ORIGIN: Named for Walter Frederick Ferrier (1865-1950), Canadian geologist and mining engineer. Na-dominant member of the ferrierite series.
Ferrihydrite ● ▲ Fe+++2O3·0.5(H2O) NAME ORIGIN: Named for the composition as a hydrated ferric iron compound.
Ferrikatophorite ▲ Na2Ca(Fe++,Mg)4Fe+++(Si7Al)O22(OH)2 NAME ORIGIN: Named for its composition and from the Greek for "carrying down", in allusion to its volcanic origin.
Ferrilotharmeyerite ■ ▲ Ca(Zn,Cu++)(Fe+++,Zn)(AsO4)2(OH,H2O)2 NAME ORIGIN: As the ferric iron analog of lotharmeyerite
Ferrimolybdite ● ■ ▲ Fe+++2(MoO4)3·8(H2O) NAME ORIGIN: Named from its chemical composition.
Ferrinatrite ● ■ ✚ ▲ Na3Fe+++(SO4)3·3(H2O) NAME ORIGIN: Named after its chemical composition of FERRIc iron and NATRIum (Sodium).
Ferripedrizite ! ▲ NaLi2(Fe+++2Mg2Li)Si8O22(OH)2 NAME ORIGIN: Named for the locality and as the ferric end member from the IMA-CNMMN and its Amphibole Subcommittee. LOCALITY: Eastern Pedriza Massif, Arroyo de la Yedra Valley, Sierra de Guadarrama, Spain.
Ferripyrophyllite ● ■ ▲ Fe+++2Si4O10(OH)2 NAME ORIGIN: Named as the Fe+++ analog of pyrophyllite.
Ferrisadanagaite-K * (see Potassicferrisadanagaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferrisicklerite ● ■ ▲ Li(Fe+++,Mn++)PO4
Ferristilpnomelane-high Fe+++ * (see Stilpnomelane) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferristrunzite ● ■ ▲ Fe+++Fe+++2(PO4)2(OH)3·5(H2O) NAME ORIGIN: Named for its composition and for Hugo Strunz (1910-), mineralogist, Berlin, who authored the Strunz system of mineral classification.
Ferrisurite ● ■ ▲ (Pb,Cu)2-3(CO3)1.5-2(OH,F)0.5-1[(Fe,Al)2Si4O10(OH)2]·n(H2O) NAME ORIGIN: Named for its composition and relationship to surite.
Ferrisymplesite ● ▲ Fe+++3(AsO4)2(OH)3·5(H2O)
Ferritaramite ● ▲ Na(CaNa)(Fe++,Mg)3Fe+++2[Si6Al2O22](OH)2 NAME ORIGIN: Named after the chemical composition and the locality. LOCALITY: Wali-tarama, Mariupol, Ukraine.
Ferritschermakite ● ▲ Ca2(Fe++,Mg)3Al2(Si7Al)O22(OH)2 NAME ORIGIN: Named for its composition and for Gustav Tschermak von Sessenegg (1836-1927),

Austrian mineralogist.
Ferritungstite (K,Ca,Na)(W++++++,Fe+++)2(O,OH)6·(H2O) NAME ORIGIN: Named for FERRIc iron and TUNGsten in its composition.
ferritungstite * (see Meymacite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferriwhittakerite ! Na(NaLi)(Mg2Fe+++2Li)Si8O22(OH)2 NAME ORIGIN: Named for Eric J.W. Whittaker (1921-), of Oxford University, who did pioneering work in amphibole crystal-chemistry.
Ferriwinchite NaCaMg4Fe+++Si8O22(OH)2 NAME ORIGIN: Named for its composition and for Howard J. Winch, Geological survey of India.
Ferro-actinolite [ ]Ca2Fe++5Si8O22(OH)2
Ferro-alluaudite * (see Ferroalluaudite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferro-aluminoceladonite ! K2Fe++2Al2Si8O20(OH)4 NAME ORIGIN: Named from its composition (Fe++,Al) and the French 'celadon,' sea-green, in allusion to its common color.
Ferro-aluminotschermakite * Ca2Fe++3Al2(Si7Al)O22(OH)2 NAME ORIGIN: Named for its composition and for Gustav Tschermak von Sessenegg (1836-1927), Austrian mineralogist.
Ferro-anthophyllite [ ]Fe++7Si8O22(OH)2 NAME ORIGIN: From its composition and from the Latin anthophyllum - "clove" in allusion to the color.
Ferro-eckermannite NaNa2(Fe++4Al)Si8O22(OH)2
Ferro-edenite NaCa2Fe++5Si7AlO22(OH)2 NAME ORIGIN: Named for the composition and the relationship to edinite.
Ferroalluaudite NaCaFe++(Fe++,Mn,Fe+++,Mg)2(PO4)3 NAME ORIGIN: For dominant ferrous iron content and relationship to alluaudite.
Ferroaxinite Ca2Fe++Al2BO3Si4O12(OH) NAME ORIGIN: From the Greek acine - "ax" in allusion to the acute shape of typical crystals and the Latin - ferrum - "iron" in reference to the Fe in the chemical formula.
Ferrobarroisite [ ](CaNa)Fe++3AlFe+++Si7AlO22(OH)2
Ferrobustamite Ca(Fe++,Ca,Mn)Si2O6 NAME ORIGIN: For FERROan iron in its composition and its relation to bustamite.
Ferrocarpholite (Fe++,Mg)Al2Si2O6(OH)4
Ferroceladonite ! K2Fe++Fe+++Si8O20(OH)4 NAME ORIGIN: Named from its composition (Fe++) and the French 'celadon,' sea-green, in allusion to its common color.
Ferrochloropargasite * NaCa2(Fe++4Al)Si6Al2O22Cl2 NAME ORIGIN: Named as the chlorine analog of ferropargasite.
Ferroclinoholmquistite * (see Clinoferroholmquistite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferrocolumbite Fe++Nb2O6 NAME ORIGIN: Named after its content of the element niobium, formerly called columbium and the Latin ferrium - "iron."
Ferroferribarroisite * CaNa(Fe++,Mg)3Fe+++2[AlSi7O22](OH)2
Ferroferritschermakite * Ca2(Fe++,Mg)3Fe+++2(Si7Al)O22(OH)2 NAME ORIGIN: Named for its composition and for Gustav Tschermak von Sessenegg (1836-1927), Austrian mineralogist.
Ferroferriwinchite * CaNa(Fe++,Mg)4Fe+++[Si8O22](OH)2 NAME ORIGIN: Named for its composition and for Howard J. Winch, Geological survey of India.
Ferrogedrite [ ]Fe++5Al2Si6Al2O22(OH)2 NAME ORIGIN: Named for its composition and the original gederite location at Heas, Gedres, France.
Ferroglaucophane [ ]Na2(Fe++3Al2)Si8O22(OH)2

Ferrohagendorfite * (Na,Ca)2Fe++(Fe++,Fe+++)2(PO4)3 NAME ORIGIN: Named for the locality and the iron-rich end member of hagendorfite. LOCALITY: Hagendorf, Barvaria, Germany.
Ferrohexahydrite Fe++SO4·6(H2O) NAME ORIGIN: Named for the composition, FERROus iron and HEXAHYDrate in allusion to the six water molecules in the crystal structure.
Ferrohogbomite-2N2S ! (Fe++,Zn,Mg,Al)6Al14(Ti,Fe)2O30(OH)2 NAME ORIGIN: Named as the Fe-dominant member of the hogbomite series.
Ferroholmquistite [ ](Li2Fe++3Al2)Si8O22(OH)2 NAME ORIGIN: The name reflects its composition and relationship to holmquistite..
Ferrohornblende [ ]Ca2[Fe++4(Al,Fe+++)]Si7AlO22(OH)2 NAME ORIGIN: For its ferrous iron content and from the German for horn and to deceive, in allusion to its similarity to valuable minerals in ores.
Ferrokaersutite NaCa2(Fe++4Ti)Si6Al2O22(OH)2
Ferrokentbrooksite !
Na15Ca6(Fe,Mn)3Zr3NbSi25O73(O,OH,H2O)3(Cl,F,OH)2 NAME ORIGIN: Named as the Fe-analogue of kentbrooksite.
Ferrokesterite Cu2(Fe,Zn)SnS4 NAME ORIGIN: Named for its relationship to kesterite.
Ferrokinoshitalite ! (Ba,K)(Fe++,Mg)3(Si2Al2)O10 (OH,F)2 NAME ORIGIN: The name reflects the mineral's iron content and relationship to kinoshitalite.
Ferrolaueite * Fe++Fe+++2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named as the ferrous analog of laueite.
Ferroleakeite ! NaNa2(Fe++)3(Fe+++)2Li(Si8O22)(OH)2
Ferronickelplatinum Pt2FeNi NAME ORIGIN: Named for the composition (Fe, Ni, Pt).
Ferronigerite-2N1S (Zn,Mg,Fe++)(Sn,Zn)2(Al,Fe+++)12O22(OH)2 NAME ORIGIN: Named after its locality and FERRO (Iron). (S=Spinel, N=Nolanite Layers). LOCALITY: Egbe district, Nigeria, Africa.
Ferronigerite-6N6S ! (Fe++,Zn)4Sn2(Al,Fe+++)15O30(OH)2 NAME ORIGIN: Named after its locality and FERRO (Iron). (S=Spinel, N=Nolanite Layers). LOCALITY: Nigeria, Africa.
Ferronordite-(Ce) ! Na3SrCeFe++Si6O17 NAME ORIGIN: Named as the Fe++ dominant analogue of nordite-(Ce). Nordite series is named after the word for north because of its northern origin in the Lovozero Massif.
Ferronordite-(La) ! Na3Sr(La,Ce)FeSi6O17 NAME ORIGIN: La dominant analog of ferronordite-(Ce).
Ferronyboite ! NaNa2(Fe++)3Al2(Si7Al)O22(OH)2
Ferropargasite NaCa2(Fe++4Al)Si6Al2O22(OH)2
Ferropumpellyite * (see Pumpellyite-(Fe++)) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferropyrosmalite (Fe++,Mn)8Si6O15(OH,Cl)10 NAME ORIGIN: Iron rich end member of pyrosmalite.
Ferrorhodsite (Fe,Cu)(Rh,Ir,Pt)2S4 NAME ORIGIN: For it's composition and relationship to cuprorhodsite.
Ferrorichterite Na(CaNa)Fe++5[Si8O22](OH)2
Ferrorosemaryite ! [ ]NaFe++Fe+++Al(PO4)3 NAME ORIGIN: Named as the Fe-dominant analogue of rosemaryite.
Ferrosaponite ! Ca0.3(Fe++,Mg,Fe+++)3(Si,Al)4O10(OH)2·4(H2O) NAME ORIGIN: Named as the Fe2+ dominant analog of saponte.

Ferroschallerite * (see Nelenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferroselite FeSe2 NAME ORIGIN: For the composition.
Ferrosilite (Fe++,Mg)2Si2O6 NAME ORIGIN: Named for its composition (Ferrous Silicate).
Ferrostilpnomelane-low Fe+++ * (see Stilpnomelane) See Also: GOOGLE, Athena, MinDAT, MinMax
Ferrostrunzite Fe++Fe+++2(PO4)2(OH)2·6(H2O) NAME ORIGIN: Named for its composition and for Hugo Strunz (1910-), mineralogist, Berlin, who authored the Strunz system of mineral classification.
Ferrotaaffeite-6N3S (Fe++,Zn,Mg)2Al6BeO12 NAME ORIGIN: Named as the FERRous analog of magnesiotaaffeite. (S=Spinel, N=Nolanite Layers).
Ferrotantalite Fe++Ta2O6 NAME ORIGIN: Named for the FERROus iron and from the Greek, Tantalos = father of Niobe.
Ferrotapiolite (Fe++,Mn++)(Ta,Nb)2O6 NAME ORIGIN: Named after the god Tapio of Finnish mythology and the Latin ferrium - "iron."
Ferrotitanowodginite ! Fe++TiTa2O8 NAME ORIGIN: The name reflects its composition and relationship to wodginite.
Ferrotschermakite ! [ ]Ca2(Fe++3AlFe+++)Si6Al2O22(OH) NAME ORIGIN: Named for its composition and for Gustav Tschermak von Sessenegg (1836-1927), Austrian mineralogist.
Ferrotychite Na6Fe++2(SO4)(CO3)4
Ferrowinchite [ ](CaNa)Fe++4(Al,Fe+++)Si8O22(OH)2 NAME ORIGIN: Named for its composition and for Howard J. Winch, Geological survey of India.
Ferrowodginite Fe++SnTa2O8
Ferrowyllieite (Na,Ca,Mn)(Fe++,Mn)(Fe++,Fe+++,Mg)Al(PO4)3 NAME ORIGIN: Dominant ferrous iron and relationship to wyllieite.
Ferruccite NaBF4 NAME ORIGIN: Named for Ferruccio Zambonini.
Fersilicite * FeSi
Fersmanite Ca4(Na,Ca)4(Ti,Nb)4(Si2O7)2O8F3 NAME ORIGIN: Named for Alexander Yevgenievich Fersman (1883-1945), Russian mineralogist and geochemist.
Fersmite (Ca,Ce,Na)(Nb,Ta,Ti)2(O,OH,F)6 NAME ORIGIN: Named for Aleksandr Evgenevich Fersman (1883-1945), eminent Russian mineralogist, geochemist, and gemologist.
Feruvite ! (Ca,Na)(Fe,Mg,Ti)3(Al,Mg,Fe)6(BO3)3Si6O18(OH)4 NAME ORIGIN: Named for the iron content and relationship to uvite.
Feruvite - (61.3.1.4) * (see Feruvite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fervanite Fe+++4(VO4)4·5(H2O) NAME ORIGIN: Named for its composition.
Fetiasite (Fe++,Fe+++,Ti++++)3O2(As+++2O5) NAME ORIGIN: For the Fe, Ti, and As in its chemical composition.
Fettelite ! Ag24HgAs5S20 NAME ORIGIN: Named for M. Fettel, an experienced mineral collector who found the mineral.
Fianelite ! Mn++2V+++++(V+++++,As+++++)O7·2(H2O) NAME ORIGIN: Named after its locality. LOCALITY: The Fianel mine, Val Ferrera, Canton Graubunden, Switzerland.
Fibroferrite Fe+++(SO4)(OH)·5(H2O) NAME ORIGIN: From the Latin, fibra, meaning "fibre" and ferrum, meaning "iron."
Fibrolite * (see Sillimanite) See Also: GOOGLE, Athena, MinDAT, MinMax

Fichtelite C19H34 NAME ORIGIN: Named for the locality LOCALITY: Redwitz, Fichtel Mts, Bayern (Bavaria), Germany
Fiedlerite Pb3Cl4F(OH)2 NAME ORIGIN: Named for K.G. Fiedler, superintendant of the Laurion mines.
Filatovite ! K[(Al,Zn)2(As,Si)2O8] NAME ORIGIN: Named for Stanislav K. Filatov (b. 1940), Professor, Department of Crystallography, St. Petersburg State University, St. Petersburg, Russia.
Filipstadite (Mn++,Mg)4Sb+++++Fe+++O8 NAME ORIGIN: Named for the town of Filipstad, Sweden, which is near the mine.
Fillowite Na2Ca(Mn,Fe++)7(PO4)6 NAME ORIGIN: Named for Abijah N. Fillow (1822-1895), of Branchville, Connecticut, who supplied minerals from his quarry at the locality. LOCALITY: Branchville, Fairfield County, Connecticut, USA.
Fingerite Cu11(VO4)6O2
Finnemanite Pb5(As+++O3)3Cl NAME ORIGIN: Named for K.J. Finneman who discovered the mineral.
Fire Blende * (see Pyrostilpnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fire Opal - red * (see Opal) See Also: GOOGLE, Athena, MinDAT, MinMax
Fischesserite Ag3AuSe2 NAME ORIGIN: For Raymond Fischesser, Director of the National School of Mines, Paris, France.
Fizelyite Pb14Ag5Sb21S48 (?) NAME ORIGIN: For Sandor Fizely, mining engineer, who discovered the mineral.
Flagstaffite C10H22O3
Fleischerite Pb3Ge(SO4)2(OH)6·3(H2O)
Fletcherite Cu(Ni,Co)2S4 NAME ORIGIN: For the Fletcher mine, Reynolds Co., Missouri, USA.
Flinkite Mn++2Mn+++(AsO4)(OH)4
Flint - microcrystalline quartz * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Florencite-(Ce) CeAl3(PO4)2(OH)6 NAME ORIGIN: Named for W. Florence and its cerium content.
Florencite-(La) (La,Ce)Al3(PO4)2(OH)6 NAME ORIGIN: Named for W. Florence and its lanthanum content.
Florencite-(Nd) (Nd,Ce)Al3(PO4)2(OH)6 NAME ORIGIN: Named for W. Florence and its neodymium content.
Florenskyite ! (Fe,Ni)TiP NAME ORIGIN: Named for Cyrill P. Florensky (1915-19820, Russian geochemist, who is one of the founders of Colleagues in the Laboratory of Comparative Planetology.
Florensovite Cu(Cr1.5Sb0.5)S4 NAME ORIGIN: Named in 1989 for Nikolai A. Florensov (1909-1986), Russian geologist.
Fluckite CaMn(HAsO4)2·2(H2O) NAME ORIGIN: Named for Pierre Fluck, Mineralogist at Louis Pasteur University, Strasbourg, France.
Fluellite Al2(PO4)F2(OH)·7(H2O) NAME ORIGIN: Named for the chemical compositon of fluorine (Latin, fluere = "to flow").
Fluoborite Mg3(BO3)(F,OH)3
Fluocerite * (see Fluocerite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Fluocerite-(Ce) (Ce,La)F3 NAME ORIGIN: Named after its chemical composition containing fluorine (Latin, fluere = "to flow") and cerium (Named after the asteroid Ceres).
Fluocerite-(La) (La,Ce)F3 NAME ORIGIN: Named after its chemical composition containing fluorine (Latin, fluere = "to flow") and cerium (Named

after the asteroid Ceres) with the modifier La-lanthanum (Greek, lanthanein = "to li

Fluor edenite * (see Fluoro-edenite) See Also: GOOGLE, Athena, MinDAT, MinMax

Fluor Spar * (see Fluorite) See Also: GOOGLE, Athena, MinDAT, MinMax

Fluorannite ! KFe++3AlSi3O10F2 NAME ORIGIN: Named as fluorine-rich annite.

Fluorapatite Ca5(PO4)3F NAME ORIGIN: Named as the fluorine end-member and from the Greek apatao - "I am misleading."

Fluorapophyllite (K,Na)Ca4Si8O20(F,OH)·8(H2O) NAME ORIGIN: From the Greek apophylliso - "it flakes off." and the composition containing fluorine;

Fluorbritholite-(Ce) (Ca,Ce,La,Na)5(SiO4,PO4)3(OH,F) NAME ORIGIN: For the relationship to Britholite-Ce the fluorine content.

Fluorcaphite ! (Ca,Sr,Ce,Na)5(PO4)3F NAME ORIGIN: Named after its composition of fluorine, calcium, and phosphorous.

Fluorellestadite Ca5(SiO4,PO4,SO4)3(F,OH,Cl) NAME ORIGIN: Named for the composition and Reuben B. Ellestad (1900-1993), American analytical chemist of Minneapolis, Minnesota, USA.

Fluorite CaF2 NAME ORIGIN: Named after its composition containing fluorine (Latin, fluere = "to flow").

Fluoro-edenite ! NaCa2Mg5Si7AlO22(F,OH)2 NAME ORIGIN: Named as the fluorine dominant member of the edenite series.

Fluoro-ferroleakeite NaNa2(Fe++2Fe+++2Li)Si8O22F2 NAME ORIGIN: Named after its composition containing fluorine and iron and with the mineral leakeite.

Fluoro-magnesio-arfvedsonite ! NaNa2(Mg,Fe++)4Fe+++[Si8O22](F,OH)2 NAME ORIGIN: Named as the fluorine-dominant member of magnesio-arfvedsonite.

Fluoro-magnesiohastingsite * (K,Na)Ca2(Mg,Fe++)4Fe+++[Si6Al2O22](F,OH)2 NAME ORIGIN: Named for the chemistry and relationship to hastinsite.

Fluoro-sodic-pedrizite ! NaLi2(Mg2Al2Li)S5Si8O22F2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

Fluorocannilloite ! CaCa2(Mg4Al)Si5Al3O22F2 NAME ORIGIN: Named as the fluorine-rich end member of cannilloite.

Fluoronyboite ! NaNa2(Al2Mg3)(Si7Al)O22(F,OH)2 NAME ORIGIN: Named as the fluorine-dominant member of the nyboitic amphiboles.

Fluororichterite ! Na(CaNa)Mg5[Si8O22]F2

Fluorthalenite-(Y) ! Y3Si3O10F NAME ORIGIN: Named as the F analog of thalenite-(Y).

Fluorvesuvianite ! Ca19(Al,Mg)13[SiO4]10[Si2O7]4(F,OH)10 NAME ORIGIN: Named as the fluorine-dominant analog of vesuvainite.

Foggite CaAl(PO4)(OH)2·(H2O) NAME ORIGIN: Named for Forrest. F. Fogg (1920-), mineral collector, New Hampshire, USA.

Foitite ! [ ]Na<0.5(Fe++,Al)3Al6Si6O18(BO3)3(OH)4 NAME ORIGIN: Named for Ranklin F. Foit, Jr. (1942-), mineralogist, Washington State Univerisity, Washington, USA.

Foitite - (61.3.1.1) * (see Foitite) See Also: GOOGLE, Athena, MinDAT, MinMax

Fontanite Ca[(UO2)3(CO3)2O2]·6(H2O) NAME ORIGIN: Named for Francois Fontan, mineralogist, University of Paul-Sabatier, Toulouse, France.

Fool's Gold * (see Pyrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Foordite Sn++(Nb,Ta)2O6

Footeite * (see Connellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Formanite-(Y) YTaO4 NAME ORIGIN: Named for Francis Gloster Forman (1904-1980), government geologist.
Formicaite ! Ca(HCOO)2 NAME ORIGIN: Named after its composition.
Fornacite Pb2Cu(CrO4)(AsO4)(OH) NAME ORIGIN: Named for Lucien Lewis Forneau (1867-1930), Colonial Governor of the French Congo.
Forsterite Mg2SiO4 NAME ORIGIN: Named for Johann Forster, German naturalist.
Foshagite Ca4Si3O9(OH)2 NAME ORIGIN: Named for William Fredrick Foshag (1894-1956), mineralogist and former curator at U. S. National Museum.
Foshallasite Ca3Si2O7·3(H2O) NAME ORIGIN: Named for Willian Frederick Foshag (1984-1956), American mineralogist, and for the mineral centrallasite (now named gyrolite).
Fougerite ! (Fe++,Mg)6Fe+++2(OH)18·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Discovered coloring (green) the soil of the Fougères Forest in the Ille-et-Vilaine region of France
Fourmarierite Pb(UO2)4O3(OH)4·4(H2O) NAME ORIGIN: Named for Paul Fourmarier(1877-1970, Belgian geologist and Professor of Geology at the University of Liege, Belgium.
Fowlerite - Zn * (see Rhodonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fraipontite (Zn,Al)3(Si,Al)2O5(OH)4 NAME ORIGIN: Named for Julien Jean Joseph Fraipont (1857-1910), and Charles Fraipont, of Liege, Belgium, both geologists and paleontologists.
Francevillite (Ba,Pb)(UO2)2V2O8·5(H2O) NAME ORIGIN: Named for the locality LOCALITY: Mounana mine, Franceville, Haut-Ogooué, Gabon
Franciscanite-III Mn++6V+++++2Si2(O,OH)14 NAME ORIGIN: Named after the Miocene age Franciscan Formation.
Franciscanite-VIII Mn++3(V+++++,[ ])1-x(SiO4)(O,OH)3(x=0.5) NAME ORIGIN: Named after the Miocene-aged Franciscan Formation in California, USA..
Francisite Cu3Bi(SeO3)2O2Cl NAME ORIGIN: Named for Glyn Francis (1939-), Quality Control Officer at the Iron Monarch quarry, Australia who collected the mineral.
Franckeite (Pb,Sn)6Fe++Sn2Sb2S14 NAME ORIGIN: Named after the mining engineers, Carl and Ernest Francke.
Francoanellite H6(K,Na)3(Al,Fe+++)5(PO4)8·13(H2O) NAME ORIGIN: Named for Franco Anelli, professor of geography, University of Bari, Italy, who discovered the cave in which the mineral was found.
Francoisite-(Nd) (Nd,Y,Sm,Ce)(UO2)3(PO4)2O(OH)·6(H2O) NAME ORIGIN: Named for Armand Francois (1922-), former Director of Geology for Gecamine and the dominant neodymium content.
Francolite * (see Carbonate-fluorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Franconite Na2Nb4O11·9(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Francon Quarry, Montreal Island, Quebec, Canada.
Frankamenite ! K3Na3Ca5(Si12O30)[F,(OH)]4·(H2O) NAME ORIGIN: Named after V.A. Frank-Kamenetsky (1915-1994), Russian mineralogist-crystallographer.
Frankdicksonite BaF2
Frankhawthorneite Cu2Te++++++O4(OH)2 NAME ORIGIN: Named after Prof. Frank Christopher Hawthorne (1946-), University of Manitoba, Winnipeg, Canada.

Franklinfurnaceite Ca2(Fe+++,Al)Mn+++Mn++3Zn2Si2O10(OH)8
Franklinite (Zn,Mn++,Fe++)(Fe+++,Mn+++)2O4 NAME ORIGIN: Named after its locality which was named after Benjamin Franklin (1706-1790), American scientist and inventor. LOCALITY: Dominant ore mineral at Franklin and Sterling Hill, New Jersey, USA.
Franklinphilite (K,Na)4(Mn++,Mg,Zn)48(Si,Al)72(O,OH)216·6(H2O) NAME ORIGIN: Named after its locality and from the Greek philos = 'friend.' The 'friends of Franklin' are those scientific investigators who helped study the unique mineralogy and geology of this dep LOCALITY: Franklin mine, Sussex County, New Jersey.
Fransoletite H2Ca3Be2(PO4)4·4(H2O) NAME ORIGIN: Named for A.M. Fransolet
Franzinite [(Na,K)30Ca10][Si30Al30O120](SO4)10·2(H2O) NAME ORIGIN: For Marco Franzini, Professor of Mineralogy, University of Pisa, Pisa, Italy.
Freboldite CoSe NAME ORIGIN: For Professor Georg Frebold of Hannover, Germany.
Fredrikssonite Mg2(Mn+++,Fe+++)O2(BO3) NAME ORIGIN: Named for Kurt A. Fredriksson (1926-), Swedish-U.S. Geochemist.
Freedite Pb8Cu+(As+++O3)2O3Cl5 NAME ORIGIN: Named for Robert L. Freed (1950-), U.S. Mineralogist.
Freibergite (Ag,Cu,Fe)12(Sb,As)4S13 NAME ORIGIN: Named after its locality. LOCALITY: Freiberg district, Saxony.
Freieslebenite AgPbSbS3 NAME ORIGIN: For Johann Karl Freiesleben (1774-1846), Mining Commissioner of Saxony, Germany.
Fremontite * (see Natromontebrasite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fresnoite Ba2TiSi2O8 NAME ORIGIN: Named after it's locality. LOCALITY: Big Creek - Rush Creek sanbornite deposit, 5 miles NE of Trimmer, Fresno Co. California.
Freudenbergite Na2Fe+++2Ti6O16 NAME ORIGIN: Named for Wilhelm Freudenberg (1881-), German geologist, who studied the rocks of Odenwald, Germany, where the mineral was found.
Friedelite Mn8Si6O15(OH,Cl)10 NAME ORIGIN: Named for Charles Friedel (1832-1899), French chemist and mineralogist.
Friedrichite Pb5Cu5Bi7S18 NAME ORIGIN: For Professor Dr.-Ing O.M. Friedrich, of the Mining University, Leoben, Styria, Austria.
Fritzscheite Mn(UO2)2[(V,P)O4]2·4(H2O) NAME ORIGIN: Named for Karl Julius Fritzsche (1808-1871), German chemist.
Frohbergite FeTe2 NAME ORIGIN: For Dr. Max Hans Frohberg, mining geologist, Toronto, Canada.
Frolovite CaB2(OH)8 NAME ORIGIN: Named for the locality. LOCALITY: Novo-Frolvsk, Turinsk region, Ural Mountains, Russia.
Frondelite Mn++Fe+++4(PO4)3(OH)5 NAME ORIGIN: Named for Clifford Frondel (1907-2002), one of the founders of Mineralogical Society of America and one of the authors of Dana's Mineralogy, 7th edition.
Froodite PdBi2 NAME ORIGIN: For the Frood mine in Canada, in which it occurs.
Fuchsite (Cr) * (see Muscovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fuenzalidaite K6(Na,K)4Na6Mg10(SO4)12(IO3)12·12(H2O) NAME ORIGIN: For Humberto Fuenzalida P. (1904-1966), who planned and directed the first

school of geology at the University of Chile.
Fukalite ▲ $Ca_4Si_2O_6(CO_3)(OH,F)_2$ NAME ORIGIN: Named for the locality. LOCALITY: Bicchu, Fuka, Okayama Prefecture, Japan.
Fukuchilite ■▲ Cu_3FeS_8 NAME ORIGIN: For Nobuyo Fukuchi (1877-1934).
Fulgurites * (see Lechatelierite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fullerene * (see Fullerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Fullerite ! ▲ C_{60} NAME ORIGIN: Named for Richard Buckminster Fuller (1895-1983), American architect and visionary. Invented the geodesic dome which illustrates the molecular morphology of fullerenes.
Fuloppite ■+▲ $Pb_3Sb_8S_{15}$ NAME ORIGIN: For Dr. Bela Fulopp.
Fundylite (calcite pseudomorphs) * (see Ikaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Furongite ■▲ $Al_2(UO_2)(PO_4)_3(OH)_2 \cdot 8(H_2O)$
Furutobeite ▲ $(Cu,Ag)_6PbS_4$ NAME ORIGIN: Named for the locality. LOCALITY: Furutobe mine, Akita Prefecture, Japan.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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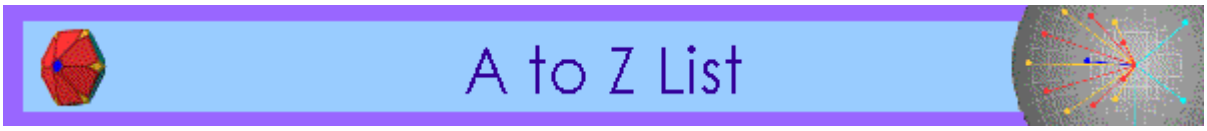

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G Index of Mineral Species

This alphabetical listing of **G minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Gabrielite ! ▲ $Tl_6Ag_3Cu_6As_9S_{21}$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

Gabrielsonite ▲ $PbFe^{++}(AsO_4)(OH)$ NAME ORIGIN: Named for Olof Erik Gabrielson (1912-), mineralogist, Swedish Natural History Museum, Stockholm, Sweden.

Gadolinite-(Ce) ▲ $(Ce,La,Nd,Y)_2Fe^{++}Be_2Si_2O_{10}$ NAME ORIGIN: Named for its cerium content and the relationship to gadolinite-(Y).

Gadolinite-(Y) ▲ $Y_2Fe^{++}Be_2Si_2O_{10}$

Gagarinite-(Y) ▲ $NaCaY(F,Cl)_6$ NAME ORIGIN: Named after Yuri Alekseevich Gagarin (1934-1968), the first cosmonaut and the first person to travel in space.

Gageite ▲ $(Mn,Mg,Zn)_{42}Si_{16}O_{54}(OH)_{40}$ NAME ORIGIN: Named for Robert B. Gage, of Trenton, New Jersey, USA, who analyzed the first specimens.

Gageite-2M (Mn,Mg,Zn)42Si16O54(OH)40 NAME ORIGIN: Named for Robert B. Gage, of Trenton, New Jersey, USA, who analyzed the first specimens.
Gahnite ZnAl2O4 NAME ORIGIN: Named after the Swedish chemist and mineralogist, J. G. Gahn (1745-1818).
Gaidonnayite Na2ZrSi3O9·2(H2O) NAME ORIGIN: Named for Gabrielle Hamburger Donnay (1920-1987), crystallographer and mineralogist, McGill University.
Gainesite Na2Zr2Be(PO4)4·1-2(H2O) NAME ORIGIN: Named for Richard Venable Gaines (1917-1999), American mineralogist, economic geologist, and mineral collector of Earlysville, Virginia, USA, for his interest in beryllium minerals.
Gaitite Ca2Zn(AsO4)2·2(H2O) NAME ORIGIN: Named for Rober Irwin Gait (1938-), curator of mineralogy, Royal Ontario Museum, Toronto, Canada.
Galaxite (Mn,Mg)(Al,Fe+++)2O4 NAME ORIGIN: Named after its location.
Galeite Na15(SO4)5F4Cl
Galena PbS NAME ORIGIN: The Roman naturalist, Pliny, used the name galena to describe lead ore.
Galenobismutite PbBi2S4 NAME ORIGIN: Named after its chemical composition.
Galgenbergite-(Ce) ! Ca(REE)2(CO3)4·(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Galgenberg Tunnel, St. Leoben, Steiermark, Austria.
Galileiite ! NaFe++4(PO4)3 NAME ORIGIN: For Galileo Galilei (1564-1642), Italian astronomer and physicist.
Galkhaite (Cs,Tl)(Hg,Cu,Zn)6(As,Sb)4S12 NAME ORIGIN: Named for the locality. LOCALITY: In the mercury deposits of Gal-Khaya, Yakutia, and Khaidarkan, Kirgizia, Russia.
Gallite CuGaS2 NAME ORIGIN: For the mineral's gallium content.
Gallobeudantite ! PbGa3[(AsO4),(SO4)]2(OH)6 NAME ORIGIN: For the relationship to beudantite and the gallium content.
Galmei * (see Hemimorphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Galmei * (see Smithsonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gamagarite Ba2(Fe+++,Mn+++)(VO4)2(OH)
Gananite BiF3 NAME ORIGIN: Named for the locality. LOCALITY: Ganan area, Laikeng district, southern Jiangxi Province, China.
Ganomalite Pb9Ca5Mn++Si9O33
Ganophyllite (K,Na)2(Mn,Al,Mg)8(Si,Al)12O29(OH)7·8-9(H2O) NAME ORIGIN: From the Greek for "luster" and "leaf" for the high luster on cleavage planes.
Ganterite ! [Ba0.5(Na,K)0.5]Al2(Si2.5Al1.5O10)(OH)2 NAME ORIGIN: Named for Gantertal Valley region in which the mineral was found.
Gaotaiite Ir3Te8 NAME ORIGIN: Named after its locality. LOCALITY: Near the village of Gaotai, about 200 km NNE of Beijing, People's Republic of China.
Garavellite FeSbBiS4 NAME ORIGIN: For Professor C.L. Garavelli, Italian mineralogist.
Garnierite * (see Falcondoite) See Also: GOOGLE, Athena, MinDAT, MinMax
Garrelsite-V Ba3NaSi2B7O16(OH)4
Garrelsite-VIII Ba3NaSi2B7O16(OH)4
Garronite Na2Ca5Al12Si20O64·27(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Slopes of Glenariff Valley, Garron Plateau, County Antrim,

Northern Ireland.
Gartrellite Pb(Cu,Fe++)2(AsO4,SO4)2(CO3,H2O)0.7 NAME ORIGIN: Named for Blair Gartrell (1950-1995), Australian collector who found the mineral.
Garyansellite (Mg,Fe+++)3(PO4)2(OH,O)·1,5(H2O)
Gasparite-(Ce) CeAsO4
Gaspeite (Ni,Mg,Fe++)CO3 NAME ORIGIN: Named after its locality. LOCALITY: It was first described from the Gaspe Peninsula in Quebec, but has been reported from elsewhere, including western Australia.
Gatehouseite Mn++5(PO4)2(OH)4
Gatelite-(Ce) ! (Ca,Ce,La,Nd)4(Al,Mg,Fe)4[Si2O7][SiO4]3(O,F,OH)3 NAME ORIGIN: Named for Pierre Gatel, French mineral collector and founder of the Association Francaise de Micromineralogie.
Gatumbaite CaAl2(PO4)2(OH)2·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Buranga pegmatite, near Gatumba, Gisenyi Province, Rwanda.
Gaudefroyite Ca4Mn+++3-x(BO3)3(CO3)(O,OH)3 NAME ORIGIN: Named for Abbe Christophe Gaudefroy (1888-1971), French mineralogist who worked in Morocco.
Gaultite Na4Zn2Si7O18·5(H2O) NAME ORIGIN: Named after Robert Allan Gault (1943-) of the Canadian Museum of Nature.
Gay Lussite * (see Gaylussite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gaylussite Na2Ca(CO3)2·5(H2O) NAME ORIGIN: Named after the French chemist and physicist, J. L. Gay-Lussac (1778-1850).
Gearksutite CaAl(OH,F)5·(H2O) NAME ORIGIN: Named from the Greek "Ge", for earth because it is usually earthy and arksutite, from the locality near Arksut fjord. LOCALITY: Greenland and Ural Mountains, Russia.
Gebhardite Pb8(As+++2O5)2OCl6
Gedrite [ ]Mg5Al2Si6Al2O22(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Heas Valley near Gedres, France.
Geerite Cu8S5 NAME ORIGIN: To honor the original collector, Adam Geer, of Utica, New York, USA.
Geffroyite (Ag,Cu,Fe)9(Se,S)8 NAME ORIGIN: To honor Jaques Geffroy, metallugist for the French Atomic Energy Commission.
Gehlenite Ca2Al(AlSi)O7 NAME ORIGIN: Named after the German chemist, A. F. Gehlen (1775-1815).
Geigerite Mn5(AsO3OH)2(AsO4)2·10(H2O)
Geikielite MgTiO3 NAME ORIGIN: Named for Sir Archibald Geikie (1835-1924), Scottish geologist and Director-General of the Geological Survey of Great Brition.
Geminite Cu++2As+++++2O7·3(H2O) NAME ORIGIN: Named from the Latin gemini, twins, in allusion to the usual character of the crystals.
Genkinite (Pt,Pd)4Sb3 NAME ORIGIN: For Dr. A.D. Genkin, Soviet mineralogist.
Genthelvite Zn4Be3(SiO4)3S NAME ORIGIN: Named for Frederick August Ludwig Karl Genth (1820-1893), German-American mineralogist.
Genthite * (see Falcondoite) See Also: GOOGLE, Athena, MinDAT, MinMax
Genthite * (see Nepouite) See Also: GOOGLE, Athena, MinDAT, MinMax
Geocronite Pb14(Sb,As)6S23 NAME ORIGIN: From the Greek for "Earth" and "Saturn", the alchemistic name for lead.

Georgbarsanovite ! Na12(Mn,Sr,REE)3Ca6Fe++3Zr3NbSi25O76Cl2·H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Georgbokiite ! Cu5O2(SeO3)2Cl2 NAME ORIGIN: For Prof. Dr. Georgiy Borisovich Bokii (1909-) for his contributions to crystal chemistry and mineralogy.
Georgechaoite KNaZrSi3O9·2(H2O) NAME ORIGIN: The name honors Prof. George Y. Chao of Carlton University, Ottawa, Canada, for his work with Zr silicates.
Georgeericksenite ! Na6CaMg(IO3)6(CrO4)2·12(H2O) NAME ORIGIN: Named after George E. Ericksen (1920-1996) of Reston, Virginia who conducted studies of nitrate deposits for the U.S.G.S.
Georgeite Cu++5(CO3)3(OH)4·6(H2O) NAME ORIGIN: Named for George Herbert Payne (1912-1989), past chief of the mineral division, Western Australian Government Chemical Laboratories.
Georgiadesite Pb4(AsO3)Cl4(OH) NAME ORIGIN: Named for Georgiades, a director of the mines at Laurium, Greece.
Gerasimovskite (Mn,Ca)(Nb,Ti)5O12·9(H2O) (?) NAME ORIGIN: Named for Vasily I. Gerasimovskii (1911-1979), Russian mineralogist and geochemist who discovered many new minerals at Lovozero.
Gerdtremmelite ZnAl2(AsO4)(OH)5 NAME ORIGIN: Named for Gerd Tremmel, who first recognized the mineral.
Gerenite-(Y) ! (Ca,Na)2(Y,REE)3Si6O18·2(H2O) NAME ORIGIN: For Richard Geren (1917-), former executive vice-president of the Iron Ore Company of Canada. Mr. Geren initiated and supported the exploration program of the Strange Lake deposit.
Gerhardtite Cu2(NO3)(OH)3
Germanite Cu26Fe4Ge4S32 NAME ORIGIN: Named after its content of the element Germanium.
Germanocolusite Cu13V(Ge,As)3S16 NAME ORIGIN: Named in 1992 for its relationship to colusite.
Gersdorffite NiAsS NAME ORIGIN: Named after Herr von Gersdorff, owner of Schladming Mine, Austria.
Gerstleyite Na2(Sb,As)8S13·2(H2O) NAME ORIGIN: Named for J. M. Gerstley (1907-), President, Pacific Coast Borax Company.
Gerstmannite (Mg,Mn)2ZnSiO4(OH)2
Getchellite AsSbS3 NAME ORIGIN: For the locality. LOCALITY: At the Getchell mine, about 32 km northeast of Golconda, Humboldt Co., Nevada, USA.
Geversite Pt(Sb,Bi)2 NAME ORIGIN: For Professor T.W. Gevers.
Gianellaite Hg4(SO4)N2
Giannettite * (see Hainite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gibbsite Al(OH)3 NAME ORIGIN: Named after the American collector, G. Gibbs (1776-1833).
Giessenite Pb13(Cu,Ag)(Bi,Sb)9S28 (?) NAME ORIGIN: Named for Giessen, a village nearby the Binntal, Switzerland.
Gilalite Cu5Si6O17·7(H2O) NAME ORIGIN: Named for its locality. LOCALITY: Christmas mine, Gila County, Arizona, USA.
Gillespite BaFe++Si4O10
Gillulyite Tl2(As,Sb)8S13 NAME ORIGIN: Named in honor of the late James C. Gilluly, United States Geological Survey.

Gilmarite ! Cu3(AsO4)(OH)3 NAME ORIGIN: Named for Gilbert Mari (1944-), mineralogist at the University of Nice-Sophia Antipolis, France.
Giniite Fe++Fe+++4(PO4)4(OH)2·2(H2O) NAME ORIGIN: Named by Paul Keller for his wife, Gini Keller.
Ginorite Ca2B14O23·8(H2O)
Ginzburgite * (see Roggianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Giorgiosite Mg5(CO3)4(OH)2·5(H2O) NAME ORIGIN: Named for one of the cones, Giorgios, created during the eruption at Santorin islands in 1866.
Giraudite (Cu,Zn,Ag)12(As,Sb)4(Se,S)13 NAME ORIGIN: To honor Roger Giraud, of the electron microprobe laboratory of the B.R.G.M.-C.N.R.S. in Orleans, France.
Girdite Pb3H2(Te++++O3)(Te++++++O6) NAME ORIGIN: Named for Richard Gird (1836-1910), mining engineer and assayer, who made the first rich silver assays and helped open up the Tombstone district.
Girvasite NaCa2Mg3(PO4)2[PO2(OH)2](CO3)(OH)2·4(H2O)
Gismondine Ca2Al4Si4O16·9(H2O) NAME ORIGIN: Named after the Italian mineralogist, Carlo Giuseppe Gismondi (1762-1824), lecturer in Mineralogy in Rome.
Gismondite * (see Gismondine) See Also: GOOGLE, Athena, MinDAT, MinMax
Gittinsite CaZrSi2O7
Giuseppettite [Na42K16Ca6]S64Si48Al48O192(SO4)10Cl2·5H2O NAME ORIGIN: Named for Giuseppe Giuseppetti, Professor of Mineralogy, University of Pavia, Pava, Italy.
Gjerdingenite-Fe ! K2[(H2O)2(Fe,Mn)][(Nb,Ti)4(Si4O12)2(O,OH)4]·4(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Gjerdingselva, Lunnar, Pooland, Norway.
Gjerdingenite-Mn ! (K,Na)2(Mn,Fe)(Nb,Ti)4(Si4O12)2(O,OH)4·6(H2O) NAME ORIGIN: Named as the Mn-dominant analogue of gjerdingenite-Fe.
Gladite PbCuBi5S9 NAME ORIGIN: Named after its locality LOCALITY: Gladhammer, Province of Kalmar, Sweden.
Gladiusite ! Fe+++2(Fe++,Mg)4(PO4)(OH)13·H2O NAME ORIGIN: Name alludes to the crystal morphology which resembles a double edged sword (gladius, Latin for sword).
Glagolevite ! NaMg6[Si3AlO10](OH,O)8·H2O NAME ORIGIN: Named for A. A. Glagolev (1927-1993), Russian mineralogist.
Glaserite * (see Aphthitalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Glauber Salt * (see Mirabilite) See Also: GOOGLE, Athena, MinDAT, MinMax
Glauber's Salt * (see Glauberite) See Also: GOOGLE, Athena, MinDAT, MinMax
Glauberite Na2Ca(SO4)2 NAME ORIGIN: Named after Glauber's Salt, of alchemist origin.
Glaucocerinite (Zn,Cu)5Al3(SO4)1.5(OH)16·9(H2O) NAME ORIGIN: Named from the Greek for "blue" and "waxlike".
Glaucochroite CaMnSiO4
Glaucodot (Co,Fe)AsS NAME ORIGIN: From the Greek for "blue," in reference to its use in the dark blue glass called smalt.
Glauconite (K,Na)(Fe+++,Al,Mg)2(Si,Al)4O10(OH)2 NAME ORIGIN: From the Greek "glaucos" for the blue green color.
Glaucophane [ ]Na2(Mg3Al2)Si8O22(OH)2 NAME ORIGIN: From the Greek glaukos - "blue" and fanos - "appearing."

Glaukosphaerite (Cu,Ni)2(CO3)(OH)2
Glendonite (calcite pseudomorphs) * (see Ikaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Glendonite - pseudomorph * (see Calcite) See Also: GOOGLE, Athena, MinDAT, MinMax
Globosite * (see Strengite) See Also: GOOGLE, Athena, MinDAT, MinMax
Glucine CaBe4(PO4)2(OH)4·0.5(H2O) NAME ORIGIN: Named for the alternative name for beryllium: Glucinum.
Glushinskite Mg(C2O4)·2(H2O)
Gmelinite * (see Gmelinite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Gmelinite-Ca ! (Ca,Na2)Al2Si4O12·6(H2O) NAME ORIGIN: Named after the German mineralogist and chemist, Christian Gottlob Gmelin (1792-1860) of Turbingen, Germany. The Ca-dominant member of the gmelinite series.
Gmelinite-K ! (K,Na,Ca)6(Al7Si17O48)·22(H2O) NAME ORIGIN: Named after the German mineralogist and chemist, Christian Gottlob Gmelin (1792-1860) of Turbingen, Germany. The K-dominant member of the gmelinite series.
Gmelinite-Na (Na2,Ca)Al2Si4O12·6(H2O) NAME ORIGIN: Named after the German mineralogist and chemist, Christian Gottlob Gmelin (1792-1860) of Turbingen, Germany. Na modifier added by the zeolite nomenclature committee.
Go Juice * (see Dilithium) See Also: GOOGLE, Athena, MinDAT, MinMax
Gobbinsite (Na2,Ca)2K2Al6Si10O32·12(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Basalt cliffs near Hills Port, south of the Gobbins area, County Antrim, Northern Ireland.
Godlevskite (Ni,Fe)9S8 NAME ORIGIN: Named for Mikhail N. Godlevsky (1902-1984), Russian economic geologist.
Godovikovite (NH4)(Al,Fe+++)(SO4)2 NAME ORIGIN: Named for A. A. Godovikov.
Goedkenite (Sr,Ca)2Al(PO4)2(OH) NAME ORIGIN: Named for V. L. Goedken.
Goergeyite * (see Gorgeyite) See Also: GOOGLE, Athena, MinDAT, MinMax
Goethite Fe+++O(OH) NAME ORIGIN: Named after the German poet, J. W. Goethe (1749-1832).
Goetzenite * (see Gotzenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gold Au NAME ORIGIN: Anglo Saxon, of uncertain origin.
Goldamalgam * (Au,Ag)Hg
Goldfieldite Cu12(Te,Sb,As)4S13 NAME ORIGIN: Named after its locality. LOCALITY: Mohawk mine, Goldfield, Esmeralda County., Nevada, USA.
Goldichite KFe+++(SO4)2·4(H2O)
Goldmanite Ca3(V,Al,Fe+++)2(SiO4)3 NAME ORIGIN: The name honors Macus I. Goldman, a sedimentary petrologist with the U. S. Geological Survey.
Goldquarryite ! (Cu,[ ])(Cd,Ca)2Al3(PO4)4F2(H2O)10{(H2O,F)}2 NAME ORIGIN: Named for the locality. LOCALITY: 5,425-foot bench of the Gold Quarry mine, Eureka County, Nevada, USA.
Gonnardite Na2CaAl4Si6O20·7(H2O) NAME ORIGIN: Named for Ferdinand Gonnard, French mineralogist, Lyons, France.
Gonyerite Mn++3[Mn++3Fe+++][(Si,Fe+++)4O10](OH,O)8 NAME ORIGIN: Named for Forest A. Gonyer (1899-1971), chemist-analyst and mineralogist, Harvard University.
Goosecreekite CaAl2Si6O16·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: In the Goose Creek quarry, Leesburg, Loudoun County,

Virginia, USA.
Gorceixite BaAl3(PO4)(PO3OH)(OH)6 NAME ORIGIN: Named after the French mineralogist Claude-Henri Gorceix (1842 - 1919) founder of the Mining School (Escola de Minas) in Ouro Preto.
Gordaite ! NaZn(SO4)(OH)6Cl·6(H2O) NAME ORIGIN: Named after its locality. LOCALITY: The San Francisco mine, 2 km northeast of the Sierra Groda Railway Station, in the Sierra Gorda, northeast of Antofagasta, 2nd region, northern Chile.
Gordonite MgAl2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named for S. G. Gordon.
Gorgeyite K2Ca5(SO4)6·(H2O)
Gormanite Fe++3Al4(PO4)4(OH)6·2(H2O) NAME ORIGIN: Named for Donald Herbert Groman (1922-), University of Toronto, Canada.
Gortdrumite (Cu,Fe)6Hg2S5 NAME ORIGIN: Named for the locality. LOCALITY: Gortdrum deposit, Tipperary, Eire.
Goshenite - colorless * (see Beryl) See Also: GOOGLE, Athena, MinDAT, MinMax
Goslarite ZnSO4·7(H2O) NAME ORIGIN: Named after its original locality in Goslar, Germany
Gottardiite ! Na3Mg3Ca5Al19Si117O272·93(H2O) NAME ORIGIN: Named after Professor Glauco Gottardi (1928-1988), University of Modena, in recognition of his pioneering work on the structure and crystal chemistry of natural zeolites.
Gottlobite ! CaMg(VO4,AsO4)(OH) NAME ORIGIN: Named after the locality. LOCALITY: Long abandoned Glucksstern Mine at Gottlob hill, Friedrichroda, Thuringia, Germany.
Gotzenite (Ca,Na)3(Ti,Al)Si2O7(F,OH)2 NAME ORIGIN: Named for Gustav Adolf Von Gotzen (1866-1910), German traveler and first European to climb Mt. Shaheru, North Kivu, Zaire.
Goudeyite (Al,Y)Cu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named for Hatfield Goudey (1906-1985), mining geologist and mineral collector of San Mateo, California, USA.
Gowerite CaB6O10·5(H2O)
Goyazite SrAl3(PO4)2(OH)5·(H2O) NAME ORIGIN: Named after the province of Goyaz, Brazil.
Graemite CuTeO3·(H2O) NAME ORIGIN: Named for Richard Graeme, American geologist.
Graeserite ! (Fe+++,Ti)4Ti3AsO13(OH) NAME ORIGIN: For Prof. Dr. Stefan Graeser (1935-), in recognition of his extensive research on the oxides and sulfosalts of arsenic in the Binntal region of Switzerland.
Graftonite (Fe++,Mn,Ca)3(PO4)2 NAME ORIGIN: Named after its locality at Grafton, New Hampshire, USA.
Gramaccioliite-(Y) ! (Pb,Sr)(Y,Mn)Fe2(Ti,Fe)18O38 NAME ORIGIN: Named for Prof. Carlo M. Gramaccioli (1935-) of the University of Milano, Italy.
Grandidierite (Mg,Fe++)Al3(BO4)(SiO4)O
Grandreefite Pb2SO4F2
Grantsite Na4CaxV++++2xV+++++12-2xO32·8(H2O) NAME ORIGIN: Named after the town of Grants, New Mexico.
Graphite C NAME ORIGIN: From the Greek, graphein, "to write."
Gratonite Pb9As4S15 NAME ORIGIN: For Louis Carly Graton (1880-1970), Professor of Economic Geology, Harvard University, Cambridge, Massachusetts,

USA.
Grattarolaite ! Fe+++3O3(PO4) NAME ORIGIN: For Giuseppe Grattarola (1905-1988), professor of mineralogy at the University of Florence, Italy.
Graulichite-(Ce) ! CeFe+++3(AsO4)2(OH)6 NAME ORIGIN: Named for Jean-Marie Graulich (1920-2001), Belgian mining engineer and Honorary Driector of the Geological survey of Belgium.
Gravegliaite Mn++(SO3)·3(H2O)
Gray Antimony * (see Stibnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gray nickel pyrites * (see Gersdorffite) See Also: GOOGLE, Athena, MinDAT, MinMax
Grayite (Th,Pb,Ca)PO4·(H2O) NAME ORIGIN: Named for Anton Gray, mining engineer, advisor to U. K. Atomic Energy Authority.
Grechishchevite Hg3S2(Br,Cl,I)2 NAME ORIGIN: Named for Oleg Konstantinovich Grechishchev, Russian engineering geologist, long-time student of mercury ores from Tuva, Siberia.
Green lead ore * (see Pyromorphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Green Rust * (see Fougerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Green Vitrol * (see Melanterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Greenalite (Fe++,Fe+++)2-3Si2O5(OH)4 NAME ORIGIN: In allusion to its green color.
Greenockite CdS NAME ORIGIN: Named after Lord Greenock (Ch. M. Cathcart 1783-1859).
Greenovite-Mn * (see Titanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gregoryite (Na2,K2,Ca)CO3
Greifensteinite ! Ca2Be4(Fe++,Mn)5(PO4)6(OH)4·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Greifenstein, Saxony, Germany.
Greigite Fe++Fe+++2S4 NAME ORIGIN: For Dr. Joseph Wilson Grieg (1895-1977).
Grenmarite ! (Zr,Mn)2(Zr,Ti)(Mn,Na)(Na,Ca)4(Si2O7)2(O,F)4 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Griceite LiF NAME ORIGIN: Named for Joel D. Grice (1946-), curator of minerals, Canadian Museum of Hature, Ottawa, Canada.
Griffithite * 4(Mg,Fe,Ca)O.(Al,Fe)2O3.5SiO2·7(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Cahuenga Pass, Griffith Park, Los Angeles, California, USA.
Griffithite-Ferroan * (see Saponite) See Also: GOOGLE, Athena, MinDAT, MinMax
Grimaldiite Cr+++O(OH)
Grimselite K3Na(UO2)(CO3)3·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Gerstenegg (Kabelstollen Gerstenegg-Grimsel I), Grimsel, Bern, Switzerland.
Griphite Ca(Mn,Na,Li)6Fe++Al2(PO4)6(F,OH)2 NAME ORIGIN: From the Greek for "enigma", as the chemical composition was originally puzzling.
Grischunite NaCa2Mn++5Fe+++(AsO4)6·2(H2O)
Grossite CaAl4O7 NAME ORIGIN: Gross 1977, The mineralogy of the Hatrurim Formation, Israel; Geol Surv. Israel Bull 70:1-80).
Grossular Ca3Al2(SiO4)3 NAME ORIGIN: Grossular is from the Latin grossularia meaning "gooseberry." Hessonite is from the Greek hesson, meaning "slight" in reference to the smaller specific gravity.
Grossularite * (see Grossular) See Also: GOOGLE, Athena, MinDAT, MinMax
Grothite-Al * (see Titanite) See Also: GOOGLE, Athena, MinDAT, MinMax

Groutite Mn+++O(OH) NAME ORIGIN: Named for Frank Fitch Grout (1880-1958), petrologist, of the University of Minnesota, Minneapolis, Minnesota, USA.
Grumantite NaHSi2O5·(H2O) NAME ORIGIN: Named from the old Russian name for the Spitzbergen Archipelago, Arctic Ocean.
Grumiplucite ! HgBi2S4 NAME ORIGIN: Named after the amateur mineralogical organization Gruppo Mineralogico e Paleontologico Lucchese, members of which provided the specimens for study.
Grunerite [ ]Fe++7Si8O22(OH)2 NAME ORIGIN: Named for Louis Emmanuel Gruner (1809-1883), Swiss-French chemist who analyzed the mineral.
Grunlingite * (see Imogolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gruzdevite Cu6Hg3Sb4S12 NAME ORIGIN: To honor the Russian mineralogist, V.S. Gruzdev (1938-1977).
Guadalcazarite(Zn) * (see Metacinnabar) See Also: GOOGLE, Athena, MinDAT, MinMax
Guanacoite ! Cu2Mg2(Mg,Cu)(OH)4(H2O)4(AsO4)2 NAME ORIGIN: Named for the locality. LOCALITY: El Guanaco Mine, East Catalina, Chile, South America
Guanajuatite Bi2Se3 NAME ORIGIN: For the locality. LOCALITY: In the Santa Catarina and La Industrial mines, Sierra de Santa Rosa, near Guanajuato, Mexico.
Guanine C5H3(NH2)N4O
Guarinoite (Zn,Co,Ni)6(SO4)(OH,Cl)10·5(H2O) NAME ORIGIN: Named for Andre Guarino, French mineral collector.
Gudmundite FeSbS NAME ORIGIN: Named after its locality. LOCALITY: Gudmundstorp, Sala, Västmanland, Sweden.
Guerinite Ca5(AsO3OH)2(AsO4)2·9(H2O) NAME ORIGIN: Named for H. Guerin.
Guettardite Pb(Sb,As)2S4 NAME ORIGIN: Named for Jean Etienne Guettard (17-15-1786), French geologist.
Gugiaite Ca2BeSi2O7
Guildite CuFe+++(SO4)2(OH)·4(H2O)
Guilleminite Ba(UO2)3(SeO3)2O2·3(H2O) NAME ORIGIN: Named for French Claude Guillemin (1923-1994), founder of the National Geological Service of the BRGM.
Guitermanite * (see Baumhauerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gumbelite * (see Illite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gummite * (see Uraninite) See Also: GOOGLE, Athena, MinDAT, MinMax
Gunningite (Zn,Mn)SO4·(H2O)
Gupeiite Fe3Si NAME ORIGIN: Named for the eastern passageway, Gupeikou, of the Great Wall of China.
Gustavite PbAgBi3S6 (?) NAME ORIGIN: Named for Gustav Hageman (1842-1916), Danish chemical engineer.
Gutkovaite-Mn ! CaK2Mn(Ti,Nb)4(Si4O12)2(O,OH)4·5(H2O) NAME ORIGIN: Named for N. N. Gukova (1896-1960?), Russian mineralogist..
Gutsevichite ? Al3(PO4)2(OH)3·8(H2O) NAME ORIGIN: Named in 1959 for V. P. Gutsevich, geologist in Kazakhstan.
Guyanaite CrO(OH)
Gwihabaite ! (NH4,K)(NO3) NAME ORIGIN: Named after it's locality. LOCALITY: Gewihaba Cave (also known as Drotsky's Cave), northwestern Botswana, 280 km west of Maun.

Gypsum CaSO4·2(H2O) NAME ORIGIN: From the Greek, gyps meaning "burned" mineral. Selenite from the Greek in allusion to its pearly luster (moon light) on cleavage fragments.
Gyrolite NaCa16Si23AlO60(OH)8·64(H2O) NAME ORIGIN: From the Greek guros = "circle", in allusion to the round form of the crystalline groupings.
Gysinite-(Nd) Pb(Nd,La)(CO3)2(OH)·(H2O)

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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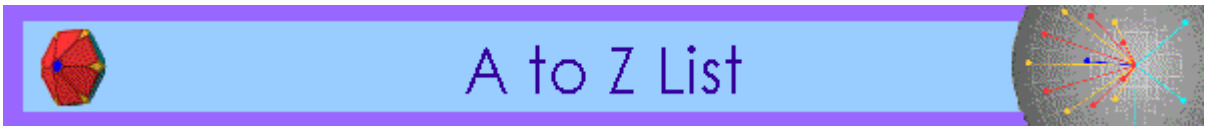

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H Index of Mineral Species

This alphabetical listing of **H minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Haapalaite ▲ 2(Fe,Ni)S·1.6(Mg,Fe++)(OH)2 NAME ORIGIN: Named for Paavo Haapala (1906-), Finnish geologist.
Haarsalz * (see Halotrichite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hackmanite-red * (see Sodalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Haeggite * (see Haggite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hafnon ▲ HfSiO4
Hagendorfite ▲ NaCaMn(Fe++,Fe+++,Mg)2(PO4)3 NAME ORIGIN: Named for the locality. LOCALITY: Hagendorf, Bavaria, Germany.
Haggertyite ! ▲ Ba[Fe++6Ti5Mg]O19 NAME ORIGIN: Named after Stephen E. Haggerty (b. 1938), of the University of Massachusetts, Amherst, Massachusetts, U.S.A., in recognition of his important studies of titanate minerals in the Earth's
Haggite ▲ V2O2(OH)3 NAME ORIGIN: Named for Gunnar Hagg (1903-), chemist and crystallographer, of the University of Uppsala, Sweden.
Haidingerite + ▲ Ca(AsO3OH)·(H2O)

Haigerachite ! KFe+++3(H2PO4)6(HPO4)2·4(H2O) NAME ORIGIN: Named for the village and valley near the locality. LOCALITY: Silberbrunnle mine dump near Gengenbach in the central Black Forest, Aufschluss, Germany.
Haineaultite ! (Na,Ca)5Ca(Ti,Nb)5(Si,S)12O34(OH,F)8·5(H2O) NAME ORIGIN: Named for Gilles Haineault (1946-), collector and dealer in Mont Saint-Hilaire minerals. (prounounced ¯a ¯n ¯o ite)
Hainite Na4Ca8(Ti,Zr,Mn,Fe)3Si8O28F8 NAME ORIGIN: For the locality. LOCALITY: Hradiste Mountain, (formerly named Hoher Hain) near Mildenau, Czech Republic.
Hair Pyrites * (see Millerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Haiweeite Ca[(UO2)2Si5O12(OH)2]·3(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Haiwee Reservoir, Inyo County, California, USA.
Hakite (Cu,Hg)3(Sb,As)(Se,S)3 NAME ORIGIN: Named for Jaroslav Hak, mineralogist, Institute of Ore Research, Kutna Hora, Czechoslovakia.
Haleniusite-(La) ! (La,Ce)OF NAME ORIGIN: Named for Ulf Hålenius (1951-), head of the Department of Mineralogy of the Swedish Museum of Natural History, for his contributions to the spectroscopy of minerals and the mineral scienc
Halite NaCl NAME ORIGIN: From the Greek halos, meaning "salt" and lithos meaning "rock."
Hallimondite Pb2(UO2)(AsO4)2
Halloysite Al2Si2O5(OH)4 NAME ORIGIN: Named after Baron Omalius d'Halloy (1707-1789).
Halotrichite Fe++Al2(SO4)4·22(H2O) NAME ORIGIN: From the Latin, halotrichum ="hairy salt."
Halurgite Mg2[B4O5(OH)4]2·(H2O)
Hamartite * (see Bastnasite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Hamartite * (see Bastnasite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Hamartite * (see Bastnasite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Hambergite Be2BO3(OH)
Hamlinite * (see Goyazite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hammarite Pb2Cu2Bi4S9 (?) NAME ORIGIN: Named after its locality. LOCALITY: Gladhammer, Province of Kalmar, Sweden.
Hanawaltite Hg+6Hg++[Cl,(OH)]2O3 NAME ORIGIN: For Dr. J. Donald Hanawalt (1903-1987), a pioneer in the field of X-ray powder diffraction.
Hancockite (Ca,Pb,Sr)2(Al,Fe+++)3(SiO4)(Si2O7)O(OH) NAME ORIGIN: Named for Elwood P. Hancock (1836-1916), of Berlinton, New Jersey, USA, collector of minerals from Franklin.
Hanksite KNa22(SO4)9(CO3)2Cl NAME ORIGIN: Named for H. G. Hanks, American geologist.
Hannayite (NH4)2Mg3H4(PO4)4·8(H2O)
Hannebachite 2CaSO3·(H2O)
Hapkeite ! Fe2Si NAME ORIGIN: Named for Bruce Hapke (emeritus, University of Pittsburgh). who first predicted the presence of vapor-deposited elemental Fe as coatings on lunar soil grains.
Haradaite Sr4V++++4Si8O28 NAME ORIGIN: Named for Zyunpei Harada (1898{1992), Emeritus Professor, Hokkaido University, Sapporo, Japan.
Hardystonite Ca2ZnSi2O7
Harkerite Ca24Mg8Al2(SiO4)8(BO3)6(CO3)10·2(H2O)

Harmotome (Ba,Na,K)1-2(Si,Al)8O16·6(H2O) NAME ORIGIN: From the Greek harmos - "I combine" and temseis - "I cut" alluding to the fact that the pyramid divides parallel to the plane that passes through the terminal edges.
Harrisonite ! Ca(Fe++,Mg)6(PO4)2(SiO4)2 NAME ORIGIN: Named for James Merritt Harrison (1915-1990), tth former director of the Canadian Geological Service.
Harstigite Ca6MnBe4(SiO4)2(Si2O7)2(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Harstig mine, Pajsberg, near Persber, Vermland, Switzerland.
Hartite C20H34 NAME ORIGIN: Named for the locality. LOCALITY: Hart, Gloggnitz, Austria.
Hashemite Ba(Cr,S)O4
Hastingsite NaCa2(Fe++4Fe+++)Si6Al2O22(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Dungannon, Hastings Co., Ontario, Canada.
Hastite CoSe2 NAME ORIGIN: For Dr. P.F. Hast, mining engineer.
Hatchettolite * (see Uranpyrochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Hatchite (Pb,Tl)2AgAs2S5 NAME ORIGIN: For Dr. Frederick Henry Hatch (1864-1932), American geologist and mining engineer.
Hatrurite Ca3SiO5
Hauchecornite Ni9Bi(Sb,Bi)S8 NAME ORIGIN: Named for William Hauchecorn (1828-1900), Director of the Geological Survey and the Mining Academy, Berlin, Germany.
Hauckite (Mg,Mn++)24Zn18Fe+++3(SO4)4(CO3)2(OH)81 (?) NAME ORIGIN: Named in 1980 for Richard Hauck, (1935-), New Jersey mineral collector.
Hauerite MnS2 NAME ORIGIN: Named after the Austrian geologists, J. R. Hauer (1778-1863) and F. R. Hauer (1822-1899).
Hausmannite Mn++Mn+++2O4 NAME ORIGIN: Named after the German mineralogist, J. F. L. Hausmann (1782-1859).
Hauyne (Na,Ca)4-8Al6Si6(O,S)24(SO4,Cl)1-2 NAME ORIGIN: Named after the French crystallographer, R. J. Hauy (1743-1822).
Hauynite * (see Hauyne) See Also: GOOGLE, Athena, MinDAT, MinMax
Hawleyite CdS NAME ORIGIN: For Professor James Edwin Hawley (1897-1965), Canadian mineralogist, Queen's University, Kingston, Ontario, Canada.
Hawthorneite Ba[Ti3Cr4Fe4Mg]O19 NAME ORIGIN: Named for John Barry Hawthorne, formerly chief geologist (Diamonds), DeBeers Consolidated Mines, South Africa.
Haxonite (Fe,Ni)23C6 NAME ORIGIN: Named for Howard J. Axon (1924-1992), English metallurgist.
Haycockite Cu4Fe5S8 NAME ORIGIN: Named for Maurice H. Haycock (1900-), Canadian mineralogist.
Haynesite (UO2)3(SeO3)2(OH)2·5(H2O) NAME ORIGIN: Named for Patrick Haynes, U.S. Geologist who first collected the mineral.
Heavy Spar * (see Barite) See Also: GOOGLE, Athena, MinDAT, MinMax
Heazlewoodite Ni3S2 NAME ORIGIN: For the locality at Heazlewood, Tasmania, Australia. LOCALITY: In the USA, from Josephine Co., Oregon. From Heazlewood and Trial Harbour, Tasmania, Australia.
Hechtsbergite ! Bi2O(OH)(VO4) NAME ORIGIN: Named after the locality. LOCALITY: Hechtsberg quarry at Hausach, Black Forest, Germany.
Hectorfloresite Na9(IO3)(SO4)4 NAME ORIGIN: Named for Hector Flores W.

(1906-1984), Chilean geologist, University of Chile.
Hectorite Na0,3(Mg,Li)3Si4O10(OH)2 NAME ORIGIN: Named after it's locality. LOCALITY: Company No. 1 mine, 3 miles south of Hector, San Bernardino Co., California.
Hedenbergite CaFe++Si2O6 NAME ORIGIN: Named after the Swedish mineralogist, M. A. L. Hedenberg.
Hedleyite Bi7Te3 (?) NAME ORIGIN: For the locality. LOCALITY: In Canada, from the Good Hope mineral claim, about 6 km southeast of Hedley, Osoyoos mining division; also the Oregon mine, near Hedley, British Columbia.
Hedyphane Ca2Pb3(AsO4)3Cl NAME ORIGIN: From the Greek hedy - "beautifully bright," in allusion to the high luster.
Heideite (Fe,Cr)1+x(Ti,Fe)2S4 NAME ORIGIN: Named for Fritz Heide (1891-1973), meteoriticist of Jana, Germany.
Heidornite Na2Ca3B5O8(SO4)2Cl(OH)2 NAME ORIGIN: Named for F. Heidorn, German geologist who studied the Zechstein deposits.
Heinrichite Ba(UO2)2(AsO4)2·10-12(H2O)
Hejtmanite Ba(Mn,Fe++)2TiO(Si2O7)(OH,F)2
Heliodor - yellow * (see Beryl) See Also: GOOGLE, Athena, MinDAT, MinMax
Heliophyllite Pb6As2O7Cl4 NAME ORIGIN: Named from the Greek for "sun" and "leaf', in reference to its color and structure.
Hellandite * (see Hellandite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Hellandite-(Ce) ! (Ca3REE)4Ce2Al[ ]2[Si4 B4O22](OH)2 NAME ORIGIN: Named for Amund Theodor Helland (1846-1918), geologist of Oslo, Norway.
Hellandite-(Y) (Ca,REE)4(Y,Ce)2(Al,[ ])2[Si4B4O22](OH)2 NAME ORIGIN: Named for Amund Theodor Helland (1846-1918), geologist of Oslo, Norway.
Hellyerite NiCO3·6(H2O) NAME ORIGIN: Named for Henry Hellyer (1826-), first surveyor general of Van Dieman's Land, TAS, Australia.
Helmutwinklerite PbZn2(AsO4)2·2(H2O)
Helvite Mn4Be3(SiO4)3S NAME ORIGIN: From the Greek helios - "sun."
Hematite Fe2O3 NAME ORIGIN: From the Greek, haimatites, "bloodlike"' in allusion to vivid red color of the powder.
Hematolite (Mn,Mg,Al)15(AsO3)(AsO4)2(OH)23 NAME ORIGIN: From the Greek for "blood" in allusion to its color.
Hematophanite Pb4Fe+++3O8(OH,Cl)
Hemihedrite Pb10Zn(CrO4)6(SiO4)2F2 NAME ORIGIN: Named for its hemihedral crystal morphology.
Hemihydrate * (see Bassanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hemimorphite Zn4Si2O7(OH)2·(H2O) NAME ORIGIN: Named after the hemimorphic nature of the crystals.
Hemloite (As,Sb)2(Ti,V,Fe,Al)12O23OH NAME ORIGIN: Named for the locality. LOCALITY: Hemlo gold deposit, Page-Williams mine, 3 km east of Hemlo, Thunder Bay district, Ontario, Canada.
Hemusite Cu6SnMoS8 NAME ORIGIN: Named after an ancient name for the Balkan Mountains.
Hendersonite Ca1.3V6O16·6(H2O) NAME ORIGIN: Named after Edward P. Henderson of the U.S. National Museum, in recognition of his mineralogical studies of the vanadium-uranium deposits of the Colorado Plateau.
Hendricksite K(Zn,Mg,Mn)3Si3AlO10(OH)2 NAME ORIGIN: Named for Dr. Sterling B. Hendricks (1902-?), American crystallographer and chemist, a student

of micas.
Heneuite CaMg5(PO4)3(CO3)(OH)
Henmilite Ca2Cu[B(OH)4]2(OH)4 NAME ORIGIN: Named for Kitinosuke Henmi (1919-1997) and his daughter Chiyoko Henmi (1949-) for their work on the Skarn deposit at Fuka, Japan.
Hennomartinite SrMn+++2Si2O7(OH)2·(H2O) NAME ORIGIN: Named for Henno Martin, German geologist who escaped to South Africa from Nazi Germany.
Henritermierite Ca3(Mn,Al)2(SiO4)2(OH)4
Henryite Cu4Ag3Te4 NAME ORIGIN: Named for Norman F. M. Henry, (1909-1983), English mineralogist.
Henrymeyerite ! BaFe++Ti7O16 NAME ORIGIN: Named for Prof. Henry. O. A. Meyer (1937-1995).
Hentschelite Cu++Fe+++2(PO4)2(OH)2
Herbertsmithite ! Cu3Zn(OH)6Cl2 NAME ORIGIN: Named for G.F. Herbert Smith (1872-1953), of the British Museum (Natural History), who discovered paratacamite.
Hercynite Fe++Al2O4 NAME ORIGIN: From the old Latin, Hercynia Silva, "Forested Mountains."
Herderite CaBe(PO4)F NAME ORIGIN: Named for Siegmund August Wolfgang von Herder (1776-1838), mining official in Freiberg, Saxony, Germany.
Herrengrundite * (see Devilline) See Also: GOOGLE, Athena, MinDAT, MinMax
Herschelite ? (Na,Ca,K)AlSi2O6·3(H2O) NAME ORIGIN: Named in 1825 for John Frederick William Herschel (1792-1871), British astronomer.
Herschelite * (see Chabazite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Herzenbergite SnS NAME ORIGIN: For Robert Herzenberg (1885-?), German chemist of Oruro, Bolivia.
Hessite Ag2Te NAME ORIGIN: Named after the Swiss chemist, G. H. Hesse (1802-1850).
Hessonite - brownish orange * (see Grossular) See Also: GOOGLE, Athena, MinDAT, MinMax
Hetaerolite ZnMn+++2O4 NAME ORIGIN: From the Greek for "companian", for its occasional association with chalcophanite.
Heterogenite-2H Co+++O(OH) NAME ORIGIN: From the Greek for "of another kind", as differing in composition from similar minerals. 2H polytype.
Heterogenite-3R Co+++O(OH) NAME ORIGIN: From the Greek for "of another kind", as differing in composition from similar minerals. 3R polytype.
Heteromorphite Pb7Sb8S19 NAME ORIGIN: From the Greek many - 'hetero' and form - 'morphos.'
Heterosite Fe+++PO4
Heulandite * (see Heulandite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Heulandite-Ba ! (Ba,Ca,K,Na,Sr)5Al9Si27O72·22(H2O) NAME ORIGIN: Named as the Ba-dominant analogue of heulandite.
Heulandite-Ca (Ca,Na)2-3Al3(Al,Si)2Si13O36·12(H2O) NAME ORIGIN: Named after the English mineral collector, John Henry Heuland (1778-1856), a British mineral collector and dealer. Ca modifier added by zeolite nomenclature committee.
Heulandite-K ! (K,Na,Ca)2-3Al3(Al,Si)2Si13O36·12(H2O) NAME ORIGIN: Named after the English mineral collector, John Henry Heuland (1778-1856), a British mineral collector and dealer. The K-dominant member of the heulandite

series.
Heulandite-Na ! (Na,Ca)2-3Al3(Al,Si)2Si13O36·12(H2O) NAME ORIGIN: Named after the English mineral collector, John Henry Heuland (1778-1856), a British mineral collector and dealer. The Na-dominant member of the heulandite series.
Heulandite-Sr ! (Sr,Na,Ca)2-3Al3(Al,Si)2Si13O36·12(H2O) NAME ORIGIN: Named after the English mineral collector, John Henry Heuland (1778-1856), a British mineral collector and dealer. The Sr-dominant member of the heulandite series.
Hewettite CaV6O16·9(H2O)
Hexaferrum ! (Fe,Os,Ru,Ir) NAME ORIGIN: Named for the symmetry and composition.
Hexagonite (Mn) * (see Actinolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hexahydrite MgSO4·6(H2O) NAME ORIGIN: Named after the number of water molecules hexa, "six" and hydor, "water."
Hexahydroborite Ca[B(OH)4]2·2(H2O) NAME ORIGIN: Named for the composition.
Hexatestibiopanickelite (Ni,Pd)(Te,Sb) NAME ORIGIN: Presumably named for the crystal system and composition.
Heyite Pb5Fe++2(VO4)2O4
Heyrovskyite Pb10AgBi5S18 NAME ORIGIN: Named after the Czech chemist, J. Heyrovsky (1890-1967).
Hiarneite ! (Ca,Mn,Na)2(Zr,Mn+++)5(Sb,Ti,Fe)2O16 NAME ORIGIN: Named after Urban Hiarne (1641-1724), a pioneer in Swedish geology.
Hibbingite (Fe,Mg)2(OH)3Cl
Hibonite (Ca,Ce)(Al,Ti,Mg)12O19 NAME ORIGIN: Named for Paul Hibon, who discovered the mineral.
Hibschite Ca3Al2(SiO4)3-x(OH)4x(x=0.2-1.5)
Hidalgoite PbAl3(AsO4)(SO4)(OH)6
Hiddenite - emerald green * (see Spodumene) See Also: GOOGLE, Athena, MinDAT, MinMax
Hieratite K2SiF6
Higginsite * (see Conichalcite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hilairite Na2ZrSi3O9·3(H2O)
Hilgardite Ca2B5O9Cl·(H2O) NAME ORIGIN: Named for Eugene W. Hilgard (1833-1916), German-American geologist, one of the first to describe the Loiuisiana salt dome deposits.
Hillebrandite Ca6Si3O9(OH)6
Hillite ! Ca2(Zn, Mg)[PO4]2·2(H2O) NAME ORIGIN: Named for Roderik Hill (1949-), Chief of Mineral Research Division, CSIRO, Melbourne, Autralia.
Hingganite-(Ce) Ce2Be2(SiO4)2(OH)2 NAME ORIGIN: Named for it's relationship to hingganite-(Y).
Hingganite-(Y) Y2([ ])Be2Si2O8(OH)2 NAME ORIGIN: Named for it's locality. LOCALITY: Heilonghiang, and greater Khingan area, Manchuria, China.
Hingganite-(Yb) (Yb,Y)2([ ])Be2Si2O8(OH)2 NAME ORIGIN: Named for it's relationship to hingganite.
Hinsdalite (Pb,Sr)Al3(PO4)(SO4)(OH)6 NAME ORIGIN: Named after its locality. LOCALITY: Golden Fleece mine, Hinsdale County., Colorado, USA.
Hiortdahlite (Ca,Na,Y)3(Zr,Ti)Si2O7(F,O,OH)2 NAME ORIGIN: Named for prof. Thorstein Hallager Hiortdahl (1839-1925), Mineralogist of Christiania (now

Olso), Norway.
Hisingerite Fe+++2Si2O5(OH)4·2(H2O) NAME ORIGIN: Named for Wilhelm Hisinger (1766-1852), eminent Swedish chemist.
Hitchcockite * (see Plumbogummite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hocartite Ag2FeSnS4 NAME ORIGIN: For Raymind Hocart, Professor of Mineralogy, University of Paris, France.
Hochelagaite (Ca,Na,Sr)Nb4O11·8(H2O) NAME ORIGIN: Named for "Hochelaga," the Native American name for Montreal, Canada.
Hodgkinsonite MnZn2SiO4(OH)2 NAME ORIGIN: Named for H. H. Hodgkinson, assistant underground supervisor of Franklin mine who discovered the mineral.
Hodrushite Cu8Bi12S22 NAME ORIGIN: Named after its locality. LOCALITY: Hodursa, Czechoslovakia.
Hoegbomite * (see Magnesiohogbomite-2N2S) See Also: GOOGLE, Athena, MinDAT, MinMax
Hoegtuvaite * (see Hogtuvaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hoelite (C6H4)2(CO)2 NAME ORIGIN: Named for Adolf Hoel (1879-?), geologist, leader of a Norwegian expedition to Spitzbergen.
Hoernesite * (see Hornesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hoganite ! Cu(CH3COO)2·H2O NAME ORIGIN: Named for Graham P. Hogan (1957-) who collected the mineral.
Hogbomite-10T * (see Magnesiohogbomite-2N3S) See Also: GOOGLE, Athena, MinDAT, MinMax
Hogbomite-15R-18R-24R * (see Magnesiohogbomite-6N6S) See Also: GOOGLE, Athena, MinDAT, MinMax
Hogbomite-24R * (see Magnesiohogbomite-6N6S) See Also: GOOGLE, Athena, MinDAT, MinMax
Hogbomite-8H * (see Ferrohogbomite-2N2S) See Also: GOOGLE, Athena, MinDAT, MinMax
Hogbomite-8H * (see Magnesiohogbomite-2N2S) See Also: GOOGLE, Athena, MinDAT, MinMax
Hogtuvaite (Ca,Na)2(Fe++,Fe+++,Ti,Mg,Mn)6(Si,Be,Al)6O20
Hohmannite Fe+++2(SO4)2(OH)2·7(H2O)
Holdawayite Mn++6(CO3)2(OH)7(Cl,OH) NAME ORIGIN: Named for Michael J. Holdaway of Southern Methodist University.
Holdenite (Mn,Mg)6Zn3(AsO4)2(SiO4)(OH)8 NAME ORIGIN: Named for Albert Fairchild Holden (1866-1913), mining engineer from Salt Lake City, Utah, USA.
Holfertite ! U++++++2-xTi(O8-xOH4x)[(H2O)3Cax] NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Hollandite Ba(Mn++++,Mn++)8O16 NAME ORIGIN: Named for Thomas Henry Holland (1868-1947), Director of the Indian Geologic Survey.
Hollingworthite (Rh,Pt,Pd)AsS NAME ORIGIN: For Professor Sidney Ewart Hollingworth (1899-1966).
Holmquistite [ ](Li2Mg3Al2)Si8O22(OH)2 NAME ORIGIN: Named for Per Johan Holmquist (1866-1946), petrologist, Stockhom, Sweden.
Holtedahlite Mg12(PO3OH,CO3)(PO4)5(OH,O)6
Holtite Al6(Al,Ta)(BO3)[(SiO4,SbO4,AsO4)]3(O,OH)3 NAME ORIGIN: Named for Harold Edward Holt (1908-1967), Prime minister of Australia (1966-1967).
Holtstamite ! Ca3(Al,Mn+++)2(SiO4)2(OH)4 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Homilite Ca2(Fe++,Mg)B2Si2O10
Honessite Ni6Fe+++2(SO4)(OH)16·4(H2O) NAME ORIGIN: Named for Arthur P. Honess, (1886-1942), Pennsylvania State University.

Hongquiite * TiO NAME ORIGIN: Named for the locality. LOCALITY: Tao district, Hongqui, China.
Hongshiite * PtCu NAME ORIGIN: Named for the locality. LOCALITY: Hong district, China.
Hopeite Zn3(PO4)2·4(H2O) NAME ORIGIN: Named after the Scottish chemist, Thomas Charles Hope (1766-1844).
Horn Lead * (see Phosgenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Horn Quicksilver * (see Calomel) See Also: GOOGLE, Athena, MinDAT, MinMax
Horn Silver * (see Chlorargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hornblende * (see Ferrohornblende) See Also: GOOGLE, Athena, MinDAT, MinMax
Hornblende * (see Magnesiohornblende) See Also: GOOGLE, Athena, MinDAT, MinMax
Hornesite Mg3(AsO4)2·8(H2O)
Hornstone - flint * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Horobetsuite * (Bi,Sb)2S3 NAME ORIGIN: Named after the locality. LOCALITY: Horobetsu mine, Hokkaido, Japan.
Horsfordite Cu5Sb NAME ORIGIN: Named for Eben N. Horsford, (1818-1893), U.S. chemist.
Hortonolite - Mn,Mg * (see Fayalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Horvathite-(Y) ! NaY(CO3)F2 NAME ORIGIN: For Elsa (1947-) and Laszlo (1937-) Horvath, husband-and-wife team dedicated to the collection, study, and documentation of the minerals from Mont Saint-Hilaire.
Hotsonite-VI Al5(SO4)(PO4)(OH)10·8(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Hotson 42, about 65 km W of Pofadder, Bushmanland, Cape Province, South Africa.
Hotsonite-VII Al11(SO4)3(PO4)2(OH)21·16(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Hotson farm, Pofadder, South Africa.
Howardevansite NaCu++Fe+++2(VO4)3 NAME ORIGIN: Named for Howard Tasker Evans, Jr. (1919-2000), American mineralogist and crystallographer, U.S.G.S., Reston, Virginia, USA.
Howieite Na(Fe++,Mn++)10(Fe,Al)2Si12O31(OH)13 NAME ORIGIN: Named for Robert Andrew Howie (1923-), British mineralogist and petrologist, King's College, London University, UK.
Howlite Ca2B5SiO9(OH)5 NAME ORIGIN: Named after Henry How of Nova Scotia when he first described it in 1868.
Hsianghualite Ca3Li2Be3(SiO4)3F2 NAME ORIGIN: Type locality unclear, in metamorphosed Devonian limestone, Hunan Province, China. LOCALITY: The name is from a Chinese word for fragrant flower.
Huanghoite-(Ce) BaCe(CO3)2F
Huangite Ca0.5Al3(SO4)2(OH)6
Hubeite ! Ca2Mn++Fe+++Si4O12(OH)(H2O)2 NAME ORIGIN: Named after the locality. LOCALITY: Dayan mine near Huangshi, Hubei Province, China.
Hubnerite MnWO4 NAME ORIGIN: After the German mineralogist, Adolph Huebner.
Huebnerite * (see Hubnerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Huegelite * (see Hugelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Huemulite Na4Mg(V10O28)·24(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Huemul mine, Mendoza Province, Argentina.
Hugelite Pb2(UO2)3(AsO4)2(OH)4·3(H2O) NAME ORIGIN: Named for F. Hugel.

Huhnerkobelite * (see Alluaudite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hulsite (Fe++,Mg)2(Fe+++,Sn)O2(BO3) NAME ORIGIN: Named for Alfred Hulse Brooks (1871-1924), U. S. Geologist.
Humberstonite K3Na7Mg2(SO4)6(NO3)2·6(H2O)
Humboldtine Fe++(C2O4)·2(H2O) NAME ORIGIN: Named for Alexander von Humboldt (1769-1859), German explorer and naturalist.
Humite (Mg,Fe++)7(SiO4)3(F,OH)2 NAME ORIGIN: Named for Abraham Hume (1749-1838), English connoisseur and collector of works of art, precious stones and minerals.
Hummerite KMgV+++++5O14·8(H2O) NAME ORIGIN: Named after the Locality.
Hunchunite ! (Au,Ag)2Pb NAME ORIGIN: Named after the locality. LOCALITY: Hunchun River, Jilin province, China
Hungchaoite MgB4O5(OH)4·7(H2O)
Huntite CaMg3(CO3)4
Hureaulite Mn5(PO3OH)2(PO4)2·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Hureaux in St. Silvestre and Vilate near Chanteloube, N of Limoges, Haute Vienne, France.
Hurlbutite CaBe2(PO4)2 NAME ORIGIN: Named for Cornelius S. Hurlbut, Jr. (1906-), professor of mineralogy, Harvard University, Cambridge.
Hutchinsonite (Pb,Tl)2As5S9 NAME ORIGIN: Named for Arthur Hitchinson (1866-1937), Professor of Mineralogy, Cambridge University, England.
Huttonite ThSiO4
Hyacinth - orange red * (see Zircon) See Also: GOOGLE, Athena, MinDAT, MinMax
Hyalite - glassy * (see Opal) See Also: GOOGLE, Athena, MinDAT, MinMax
Hyalophane (K,Ba)Al(Si,Al)3O8 NAME ORIGIN: From the Greek hyalos - "glass" and phanos - "to appear."
Hyalotekite (Ba,Pb,Ca,K)6(B,Si,Al)2(Si,Be)10O28(F,Cl)
Hydrargyllite * (see Gibbsite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydroastrophyllite (H3O,K)2Ca(Fe+++,Mn)5-6Ti2Si8O26(OH)4F NAME ORIGIN: Named for its high water content and relationship to astrophyllite.
Hydrobasaluminite Al4(SO4)(OH)10·12-36(H2O) NAME ORIGIN: Named for the composition and relation to basaluminite.
Hydrobiotite [K(Mg,Fe)3(Al,Fe)Si3O10(OH,F)2]· [(Mg,Fe++,Al)3(Si,Al)4O10(OH)2·4(H2O)] NAME ORIGIN: Named for the water content and its relationship to biotite.
Hydroboracite CaMgB6O8(OH)6·3(H2O) NAME ORIGIN: Named for the composition (water, borate).
Hydrocalumite Ca2Al(OH)6[Cl1-x(OH)x]·3(H2O)
Hydrocerussite Pb3(CO3)2(OH)2 NAME ORIGIN: Named for its composition.
Hydrochlorborite Ca2B4O4(OH)7Cl·7(H2O)
Hydrocyanite * (see Chalcocyanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrodelhayelite KCa2AlSi7O17(OH)2·6(H2O)
Hydrodresserite BaAl2(CO3)2(OH)4·3(H2O)
Hydrofranklinite * (see Chalcophanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrogen Autunite * (see Chernikovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydroglauberite Na4Ca(SO4)3·2(H2O) NAME ORIGIN: Named for its composition, rather similar to glauberite, but hydrated.

Hydrogrossular * (see Hibschite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrogrossular * (see Katoite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrohalite NaCl·2(H2O) NAME ORIGIN: Named for its water content and similarity to halite in composition.
Hydrohalloysite * (see Endellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrohematite * (see Lepidocrocite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrohetaerolite Zn2Mn+++4O8·(H2O)
Hydrohonessite Ni6Fe+++2(SO4)(OH)16·7(H2O) NAME ORIGIN: Named to indicate its relationship to honessite.
Hydromagnesite Mg5(CO3)4(OH)2·4(H2O) NAME ORIGIN: Named after its chemical composition.
Hydrombobomkulite (Ni,Cu)Al4(NO3,SO4)2(OH)12·14(H2O) NAME ORIGIN: Named as the hydrated version of mbobomkulite.
Hydromica * (see Hydrobiotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydromica * (see Illite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydromolysite ? FeCl3·6(H2O) NAME ORIGIN: Named in 1965 for the composition.
Hydromuscovite * (see Illite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydronium-jarosite (H3O)Fe+++3(SO4)2(OH)6 NAME ORIGIN: Named for the composition (hydronium = H + H2O) and jarosite.
Hydroparagonite * (see Brammallite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrophane - porous * (see Opal) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrophilite CaCl2 NAME ORIGIN: From the Greek hydros = "water" and philos = 'friend' in allusion to the highly deliquescent nature of the mineral.
Hydroromarchite Sn3O2(OH)2 NAME ORIGIN: Named as the hydrous version of romarchite.
Hydroscarbroite Al14(CO3)3(OH)36·n(H2O)
Hydrotalcite Mg6Al2(CO3)(OH)16·4(H2O)
Hydrotungstite H2WO4·(H2O)
Hydrougrandite ? (Ca,Mg,Fe++)3(Fe+++,Al)2(SiO4)3-x(OH)4x
Hydrowoodwardite ! Cu1-xAlx(OH)2(SO4)x/2·n(H2O) with 0 < x < 0.67 and n > 3x/2 NAME ORIGIN: Named as the higher hydrated analogue of woodwardite.
Hydroxy Apatite * (see Hydroxylapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydroxyapophyllite KCa4Si8O20(OH,F)·8(H2O) NAME ORIGIN: From the Greek apophylliso - "it flakes off" and the predominant hydroxyl anion.
Hydroxycancrinite Na4(AlSiO4)3(OH)·(H2O) NAME ORIGIN: Named for the composition and relationship to cancrinite.
Hydroxylapatite Ca5(PO4)3(OH) NAME ORIGIN: Named as the hydroxyl end-member and from the Greek apatao - "I am misleading."
Hydroxylbastnasite-(Ce) Ce(CO3)(OH) NAME ORIGIN: Named as the hydroxyl analog of bastnasite-(Ce).
Hydroxylbastnasite-(La) La(CO3)(OH) NAME ORIGIN: Named to conform to the bastnasite goup designations.
Hydroxylbastnasite-(Nd) Nd(CO3)(OH) NAME ORIGIN: Named as Nd end member in the hydroxylbastnasite series.
Hydroxylcarbonate-(La) * (see Hydroxylbastnasite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydroxylcarbonate-(Nd) * (see Hydroxylbastnasite-(Nd)) See Also: GOOGLE, Athena, MinDAT, MinMax

Hydroxylclinohumite ! Mg9(SiO4)4(OH,F)2 NAME ORIGIN: Named for its composition and the mineral clinohumite.
Hydroxylellestadite Ca5(SiO4,SO4)3(OH,Cl,F) NAME ORIGIN: Named for the composition and Reuben B. Ellestad (1900-1993), American analytical chemist of Minneapolis, Minnesota, USA.
Hydroxylherderite CaBe(PO4)(OH) NAME ORIGIN: Named for the composition and relationship to herderite.
Hydroxypetscheckite * (see Petscheckite) See Also: GOOGLE, Athena, MinDAT, MinMax
Hydrozincite Zn5(CO3)2(OH)6 NAME ORIGIN: Named after its chemical composition.
Hypercinnabar HgS NAME ORIGIN: Named for its trimorphous relationship with cinnabar and metacinnabar.
Hypersthene ? (Mg,Fe++)2Si2O6 NAME ORIGIN: From in the Greek hyper - "above" and stenos - "power."
Hyttsjoite ! Pb18Ba2Ca5Mn++2Fe+++2Si30O90Cl·6(H2O) NAME ORIGIN: For Hytssjon, a lake west of the Langban mines.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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I Index of Mineral Species

This alphabetical listing of **I minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Ianthinite (UO2)·5(UO3)·10(H2O) NAME ORIGIN: From the Greek ianthinos, "violet."
Ice H2O NAME ORIGIN: From the Middle English "is" or "iis", related to the Dutch "ijs" and German "eis".
Idaite Cu5FeS6 NAME ORIGIN: Named for the locality. LOCALITY: Ida mine, Khan, and Tsumeb, Namibia.
Iddingsite * MgO.Fe2O3.3SiO2·4(H2O)
Idocrase * (see Vesuvianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Idocrase-Mn * (see Manganvesuvianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Idrialine * (see Idrialite) See Also: GOOGLE, Athena, MinDAT, MinMax
Idrialite C22H14 NAME ORIGIN: Named for the locality. LOCALITY: Idria, Slovenia.
Iimoriite-(Y) Y2(SiO4)(CO3) NAME ORIGIN: Named for Satoyasa Iimorii (1885-1982), Japanese analytical chemist and REE specialist.

Ikaite CaCO3·6(H2O) NAME ORIGIN: After its locality. LOCALITY: Ika Fjord, Ivigtut, Greenland.
Ikranite ! (Na,H3O)15(Ca,Mn,REE)6Fe+++2Zr3([ ],Zr)([ ],Si)Si24O66(O,OH)6Cl·2-3H2O NAME ORIGIN: Recalls the Russian acronym IKRAN (Institut Kristallografii Rossiskoy Akadameii Nauky).
Ikunolite Bi4(S,Se)3 NAME ORIGIN: For the Ikuno mine, Japan, in which it was first found.
Ilesite (Mn,Zn,Fe++)SO4·4(H2O) NAME ORIGIN: Named for Malvern W. Iles (1853-1890), American metallurgist, Denver, Colorado.
Ilimaussite-(Ce) (Ba,Na)10K3Na4.5Ce5(Nb,Ti)6[Si12O36][Si9O18(O,OH)24]O6 NAME ORIGIN: Named for the locality. LOCALITY: Ilimaussaq alkaline complex, South Greenland.
Ilinskite ! NaCu5O2(SeO3)2Cl NAME ORIGIN: For G. A. Ilinskiy (1927-1996) of St. Petersburg University.
Illite * (K,H3O)(Al,Mg,Fe)2(Si,Al)4O10[(OH)2,(H2O)] NAME ORIGIN: Named in 1937 for the state of Illinois where the mineral was first described.
Ilmajokite (Na,Ce,La,Ba)2TiSi3O5(OH)10·n(H2O) (?) NAME ORIGIN: Named for the locality. LOCALITY: Lovozero alkaline massif, near the Ilmajok river valley, Kola Peninsula, Russia.
Ilmenite Fe++TiO3 NAME ORIGIN: Named after It's locality. LOCALITY: Ilmen Mountains, southern Urals, of the Russia.
Ilmenorutile (Ti,Nb,Fe+++)O2 NAME ORIGIN: Named for the occurrence in the Ilmen Mountains and the relation to rutile.
Ilsemannite Mo3O8·n(H2O) (?) NAME ORIGIN: Named for J. C. Ilsemann (1727-1822), mining commissioner at Clausthal, Harz, Germany.
Iltisite ! HgSAg(Cl,Br) NAME ORIGIN: For Antoine Iltis (1942-), who found the mineral.
Ilvaite CaFe++2Fe+++Si2O7O(OH) NAME ORIGIN: Named ilvaite from the Latin name of the island of Elba.
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IMA1992-017 * (see Morimotoite) See Also: GOOGLE,
IMA1992-018 * (see Paraniite-(Y)) See Also: GOOGLE,
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IMA1995-018 * (see Ferroceladonite) See Also: GOOGLE,
IMA1995-019 * (see Ferro-aluminoceladonite) See Also: GOOGLE,
IMA1995-020a ! CaB3O4(OH)3 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA1995-021 * (see Rosiaite) See Also: GOOGLE,
IMA1995-022 * (see Meurigite) See Also: GOOGLE,
IMA1995-023 * (see Belovite-(La)) See Also: GOOGLE,
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IMA1998-018 ! (Na,Ca,Bi)2Ta2O6F NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
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IMA1999-002 * (see Tegengrenite) See Also: GOOGLE,
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IMA1999-047 * (see Pararsenolamprite) See Also: GOOGLE,
IMA1999-048 * (see Fluorannite) See Also: GOOGLE,
IMA1999-049 * (see Baumstarkite) See Also: GOOGLE,
IMA1999-050 * (see Vanadiumdravite) See Also: GOOGLE,
IMA1999-051 * (see Schiavinatoite) See Also: GOOGLE,
IMA1999-A * (see Platynite) See Also: GOOGLE,
IMA1999-B * (see Peprossiite-(Ce)) See Also: GOOGLE,
IMA2000-001 * (see Radovanite)
IMA2000-002 * (see Bradaczekite)
IMA2000-003 * (see Kampfite)

IMA2000-004 * (see Riomarinaite)
IMA2000-005 * (see Sailaufite)
IMA2000-006 * (see Dashkovaite)
IMA2000-008 * (see Lisitsynite)
IMA2000-009 * (see Malinkoite)
IMA2000-010 * (see Ikranite)
IMA2000-011 * (see Calcio-andyrobertsite-2O)
IMA2000-012 * (see Cobaltneustadtelite)
IMA2000-013 * (see Borocookeite)
IMA2000-014 * (see Laflammeite)
IMA2000-015 * (see Ferronordite-(La))
IMA2000-016 ! (Ti,Fe,Mg,Mn)1-xTi2O5 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2000-017 * (see Feklichevite)
IMA2000-018 * (see Orthominasragrite)
IMA2000-019 * (see Pseudojohannite)
IMA2000-020 ! Fe4[AsO3OH]5[AsO2(OH)2]2·20(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2000-021 * (see Buryatite)
IMA2000-022 * (see Hubeite)
IMA2000-023 * (see Fencooperite)
IMA2000-024 * (see Nabesite)
IMA2000-025 * (see Thomsonite-Sr)
IMA2000-026 ! (Mn,Li)4(Ta,Sn)4(Ta,Nb)8O32 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2000-027 * (see Matsubaraite)
IMA2000-028 * (see Rastsvetaevite)
IMA2000-029 * (see Bobkingite)
IMA2000-030 ! CaMg3(Al5Mg)(Si6O18)(BO3)3(OH)3(OH) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2000-031 * (see Organovaite-Mn)
IMA2000-032 * (see Cattiite)
IMA2000-033 * (see Ganterite)
IMA2000-034 * (see Oswaldpeetersite)
IMA2000-035 * (see Bussenite)
IMA2000-036 * (see Rinmanite)
IMA2000-037 * (see Fluorvesuvianite)
IMA2000-038 * (see Allabogdanite)
IMA2000-039 * (see Novgorodovaite)
IMA2000-040 * (see Manganvesuvianite)
IMA2000-041 * (see Ferriallanite-(Ce))
IMA2000-042 * (see Woodallite)
IMA2000-043a ! (Al,Ga)2(Ge,C)O4 (OH)2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2000-044 ! Pb1.6Cu1.6Bi6.4S12 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2000-045 * (see Bobjonesite)
IMA2000-046 * (see Tsepinite-Na)
IMA2000-047 * (see Dickthomssenite)

IMA2000-048 * (see Chlorbartonite)
IMA2000-049 * (see Fluoro-edenite)
IMA2000-050 * (see Burnsite)
IMA2000-051 * (see Kristiansenite)
IMA2000-052 * (see Santabarbaraite)
IMA2000-A * (see Kuzmenkoite-Mn)
IMA2000-A * (see Labuntsovite-Mg)
IMA2000-A * (see Labuntsovite-Mn)
IMA2000-A * (see Lemmleinite-K)
IMA2000-A * (see Paralabuntsovite-Mg)
IMA2000-A * (see Vuoriyarvite-K)
IMA2000-B * (see Kurgantaite)
IMA2000-C * (see Cordylite-(Ce))
IMA2000-D * (see Bario-orthojoaquinite)
IMA2000-D * (see Byelorussite-(Ce))
IMA2000-D * (see Joaquinite-(Ce))
IMA2000-D * (see Orthojoaquinite-(Ce))
IMA2000-D * (see Orthojoaquinite-(La))
IMA2000-D * (see Strontio-orthojoaquinite)
IMA2000-D * (see Strontiojoaquinite)
IMA2000-F * (see Hellandite-(Ce))
IMA2000-F * (see Hellandite-(Y))
IMA2000-F * (see Tadzhikite-(Ce))
IMA2000-G * (see Magnesium-zippeite)
IMA2001-001 * (see Monazite-(Sm)) See Also: GOOGLE,
IMA2001-002 ! $Cu_{17}Bi_{17}S_{35}$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2001-004 ! $CaCu_6[(PO_4)_2(PO_3OH)(OH)_6]\cdot 3(H_2O)$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2001-005 * (see Verbeekite) See Also: GOOGLE,
IMA2001-006 * (see Organovaite-Zn) See Also: GOOGLE,
IMA2001-007 * (see Parakuzmenkoite-Fe) See Also: GOOGLE,
IMA2001-008 * (see Megakalsilite) See Also: GOOGLE,
IMA2001-009 * (see Gjerdingenite-Fe) See Also: GOOGLE,
IMA2001-010 * (see Tillmannsite) See Also: GOOGLE,
IMA2001-012 * (see Telyushenkoite) See Also: GOOGLE,
IMA2001-013 * (see Reidite) See Also: GOOGLE,
IMA2001-014 * (see Tweddillite) See Also: GOOGLE,
IMA2001-015 * (see Emilite) See Also: GOOGLE,
IMA2001-016 * (see Paarite) See Also: GOOGLE,
IMA2001-017 * (see Kupcikite) See Also: GOOGLE,
IMA2001-018 * (see Lanmuchangite) See Also: GOOGLE,
IMA2001-020 * (see Mottanaite-(Ce)) See Also: GOOGLE,
IMA2001-021 * (see Ciprianiite) See Also: GOOGLE,
IMA2001-022 * (see Calderonite) See Also: GOOGLE,
IMA2001-023 * (see Eveslogite) See Also: GOOGLE,
IMA2001-024 * (see Cavoite) See Also: GOOGLE,
IMA2001-026 * (see Manganlotharmeyerite) See Also: GOOGLE,
IMA2001-027 * (see Decrespignyite-(Y)) See Also: GOOGLE,

IMA2001-028 * (see Karupmollerite-Ca) See Also: GOOGLE,
IMA2001-029 * (see Hoganite) See Also: GOOGLE,
IMA2001-030 * (see Paceite) See Also: GOOGLE,
IMA2001-031 * (see Bushmakinite) See Also: GOOGLE,
IMA2001-032 * (see Ferripedrizite) See Also: GOOGLE,
IMA2001-033 * (see Pellouxite) See Also: GOOGLE,
IMA2001-034 * (see Gramaccioliite-(Y)) See Also: GOOGLE,
IMA2001-035 * (see Tedhadleyite) See Also: GOOGLE,
IMA2001-036 * (see Potassic-chloropargasite) See Also: GOOGLE,
IMA2001-037 * (see Kuzmenkoite-Zn) See Also: GOOGLE,
IMA2001-038 * (see Gutkovaite-Mn) See Also: GOOGLE,
IMA2001-039 * (see Nikischerite) See Also: GOOGLE,
IMA2001-040 * (see Anorthominasragrite) See Also: GOOGLE,
IMA2001-040 * (see Orthominasragrite) See Also: GOOGLE,
IMA2001-041 * (see Bobtraillite) See Also: GOOGLE,
IMA2001-042 * (see Cerite-(La)) See Also: GOOGLE,
IMA2001-043 * (see Watatsumiite) See Also: GOOGLE,
IMA2001-044 * (see Greifensteinite) See Also: GOOGLE,
IMA2001-044?? * (see Potassic-chloropargasite) See Also: GOOGLE,
IMA2001-045 * (see Shirozulite) See Also: GOOGLE,
IMA2001-048 * (see Ferrohogbomite-2N2S) See Also: GOOGLE,
IMA2001-049 * (see Potassicleakeite) See Also: GOOGLE,
IMA2001-050 * (see Gatelite-(Ce)) See Also: GOOGLE,
IMA2001-051 * (see Walkerite) See Also: GOOGLE,
IMA2001-052 * (see Cobaltarthurite) See Also: GOOGLE,
IMA2001-053 * (see Keilite) See Also: GOOGLE,
IMA2001-054 * (see Sewardite) See Also: GOOGLE,
IMA2001-055 * (see Niigataite) See Also: GOOGLE,
IMA2001-056 * (see Marecottite) See Also: GOOGLE,
IMA2001-057 * (see Vitimite) See Also: GOOGLE,
IMA2001-058 * (see Goldquarryite) See Also: GOOGLE,
IMA2001-059 * (see Martinite) See Also: GOOGLE,
IMA2001-060 * (see Nabalamprophyllite) See Also: GOOGLE,
IMA2001-061 * (see Tischendorfite) See Also: GOOGLE,
IMA2001-062 * (see Phosphowalpurgite) See Also: GOOGLE,
IMA2001-063 * (see Shirokshinite) See Also: GOOGLE,
IMA2001-064 * (see Glagolevite) See Also: GOOGLE,
IMA2001-065 * (see Protoanthophyllite) See Also: GOOGLE,
IMA2001-066 * (see Ferri-clinoferroholmquistite) See Also: GOOGLE,
IMA2001-067 * (see Ferri-ottoliniite) See Also: GOOGLE,
IMA2001-067a * (see Ferri-ottoliniite) See Also: GOOGLE,
IMA2001-068 * (see Sodic-ferri-ferropedrizite) See Also: GOOGLE,
IMA2001-069 * (see Ferriwhittakerite) See Also: GOOGLE,
IMA2001-070 * (see Tuite) See Also: GOOGLE,
IMA2001-A * (see Ferronigerite-2N1S) See Also: GOOGLE,
IMA2001-A * (see Ferronigerite-6N6S) See Also: GOOGLE,
IMA2001-A * (see Ferrotaaffeite-6N3S) See Also: GOOGLE,
IMA2001-A * (see Magnesiohogbomite-2N2S) See Also: GOOGLE,
IMA2001-A * (see Magnesiohogbomite-2N3S) See Also: GOOGLE,

IMA2001-A * (see Magnesiohogbomite-6N6S) See Also: GOOGLE,
IMA2001-A * (see Magnesionigerite-2N1S) See Also: GOOGLE,
IMA2001-A * (see Magnesionigerite-6N6S) See Also: GOOGLE,
IMA2001-A * (see Magnesiotaaffeite-2N2S) See Also: GOOGLE,
IMA2001-A * (see Magnesiotaaffeite-6N3S) See Also: GOOGLE,
IMA2001-A * (see Zincohogbomite-2N2S) See Also: GOOGLE,
IMA2001-B * (see Duhamelite) See Also: GOOGLE,
IMA2001-B * (see Mottramite) See Also: GOOGLE,
IMA2002-001 * (see Graulichite-(Ce)) See Also: GOOGLE,
IMA2002-002 * (see Trattnerite) See Also: GOOGLE,
IMA2002-003 * (see Alsakharovite-Zn) See Also: GOOGLE,
IMA2002-004 * (see Cobaltkieserite) See Also: GOOGLE,
IMA2002-005 * (see Tsepinite-K) See Also: GOOGLE,
IMA2002-006 * (see Paratsepinite-Ba) See Also: GOOGLE,
IMA2002-007 * (see Neskevaaraite-Fe) See Also: GOOGLE,
IMA2002-008 * (see Catalanoite) See Also: GOOGLE,
IMA2002-009a ! $Ca_2Fe^{++}_4Fe^{+++}TiSi_4BeAlO_{20}$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-010 * (see Fluoronyboite) See Also: GOOGLE,
IMA2002-010 * (see Nyboite) See Also: GOOGLE,
IMA2002-011 * (see Tsumgallite) See Also: GOOGLE,
IMA2002-012 * (see Kochite) See Also: GOOGLE,
IMA2002-013 * (see Kuannersuite-(Ce)) See Also: GOOGLE,
IMA2002-014 * (see Spriggite) See Also: GOOGLE,
IMA2002-015 * (see Clinobarylite) See Also: GOOGLE,
IMA2002-016 ! $CaFe^{++}Fe^{+++}(Mn,Fe^{++})(Si_2O_7)O(OH)$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-018 * (see Magnesiotantalite) See Also: GOOGLE,
IMA2002-019 * (see Kukharenkoite-(La)) See Also: GOOGLE,
IMA2002-020 * (see Tsepinite-Ca) See Also: GOOGLE,
IMA2002-021 * (see Marinellite) See Also: GOOGLE,
IMA2002-022 * (see Aurivilliusite) See Also: GOOGLE,
IMA2002-023 * (see Percleveite-(Ce)) See Also: GOOGLE,
IMA2002-024 * (see Putzite) See Also: GOOGLE,
IMA2002-025 * (see Vastmanlandite-(Ce)) See Also: GOOGLE,
IMA2002-026 * (see Lalondeite) See Also: GOOGLE,
IMA2002-027 * (see Maleevite) See Also: GOOGLE,
IMA2002-028 * (see Ferrosaponite) See Also: GOOGLE,
IMA2002-029 * (see Manganokukisvumite) See Also: GOOGLE,
IMA2002-030 * (see Pertsevite) See Also: GOOGLE,
IMA2002-031 * (see Moskvinite-(Y)) See Also: GOOGLE,
IMA2002-033 * (see Paravinogradovite) See Also: GOOGLE,
IMA2002-034 ! $CdSO_4 \cdot 4(H_2O)$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-035 * (see Nevadaite) See Also: GOOGLE,
IMA2002-036 ! $(Ba,Ca)_2Al_3(Si,Al)_4O_{10}(CO_3)(OH)_6 \cdot n(H_2O)$ NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-037 * (see Surkhobite) See Also: GOOGLE,
IMA2002-038 * (see Alumino-magnesiohulsite) See Also: GOOGLE,

IMA2002-039 * (see Artsmithite) See Also: GOOGLE,
IMA2002-041 ! KPb1.5ZnCu6O2(SeO3)2Cl10 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-042a ! Na3La[Si6O15]·2(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-043 * (see Diversilite-(Ce)) See Also: GOOGLE,
IMA2002-047 * (see Zincospiroffite) See Also: GOOGLE,
IMA2002-048 * (see Almarudite) See Also: GOOGLE,
IMA2002-049 ! (Mn++,Ca)(Ce,REE)AlMn+++Mn++(Si2O7)(SiO4)O(OH) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-050 ! Ca4AlSi(SO4)F13·12(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2002-051 * (see Magnesiosadanagaite) See Also: GOOGLE,
IMA2002-052 * (see Filatovite) See Also: GOOGLE,
IMA2002-053 * (see Gabrielite) See Also: GOOGLE,
IMA2002-054 * (see Kozoite-(La)) See Also: GOOGLE,
IMA2002-055 * (see Taseqite) See Also: GOOGLE,
IMA2002-056 * (see Carbokentbrooksite) See Also: GOOGLE,
IMA2002-057 * (see Zirsilite-(Ce)) See Also: GOOGLE,
IMA2002-058 * (see Cupromakovickyite) See Also: GOOGLE,
IMA2002-059 * (see Petewilliamsite) See Also: GOOGLE,
IMA2002-060 * (see Jagueite) See Also: GOOGLE,
IMA2002-061 * (see Larisaite) See Also: GOOGLE,
IMA2002-062 * (see Rouxelite) See Also: GOOGLE,
IMA2002-063 * (see Ankinovichite) See Also: GOOGLE,
IMA2002-064 * (see Potassic-carpholite) See Also: GOOGLE,
IMA2002-065 * (see Labyrinthite) See Also: GOOGLE,
IMA2002-066 * (see Aqualite) See Also: GOOGLE,
IMA2002-067 * (see Raslakite) See Also: GOOGLE,
IMA2002-A * (see Squawcreekite) See Also: GOOGLE,
IMA2002-A * (see Tripuhyite) See Also: GOOGLE,
IMA2002-B * (see Arhbarite) See Also: GOOGLE,
IMA2002-D * (see Magnesiocolumbite) See Also: GOOGLE,
IMA2002-D * (see Malhmoodite) See Also: GOOGLE,
IMA2003--057 * (see Fougerite) See Also: GOOGLE,
IMA2003-001 * (see Heulandite-Ba) See Also: GOOGLE,
IMA2003-002 * (see Bario-olgite) See Also: GOOGLE,
IMA2003-003 * (see Lepkhenelmite-Zn) See Also: GOOGLE,
IMA2003-004 * (see Tarkianite) See Also: GOOGLE,
IMA2003-005 * (see Hillite) See Also: GOOGLE,
IMA2003-006 * (see Zoltaiite) See Also: GOOGLE,
IMA2003-007 * (see Dissakisite-(La)) See Also: GOOGLE,
IMA2003-008 * (see Paratsepinite-Na) See Also: GOOGLE,
IMA2003-009 * (see Holfertite) See Also: GOOGLE,
IMA2003-010 * (see Zincolibethenite) See Also: GOOGLE,
IMA2003-011 * (see Kudriavite) See Also: GOOGLE,
IMA2003-012 * (see Jacquesdietrichite) See Also: GOOGLE,
IMA2003-013 * (see Georgbarsanovite) See Also: GOOGLE,
IMA2003-014 * (see Hapkeite) See Also: GOOGLE,

IMA2003-015 * (see Gjerdingenite-Mn) See Also: GOOGLE,
IMA2003-016 * (see Vasilyevite) See Also: GOOGLE,
IMA2003-017 ! (REE,Ca)4(Fe+++,Ti,Fe++,[ ])(Ti,Fe+++,Fe++,Nb)4Si4O22 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-018 * (see Kapustinite) See Also: GOOGLE,
IMA2003-019 ! Na6Sr12Ba2Zr13Si39B4O123(OH)6 ·20(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-020 * (see Catamarcaite) See Also: GOOGLE,
IMA2003-021 * (see Guanacoite) See Also: GOOGLE,
IMA2003-022 * (see Pezzottaite) See Also: GOOGLE,
IMA2003-024 * (see Grenmarite) See Also: GOOGLE,
IMA2003-025 * (see Coutinhoite) See Also: GOOGLE,
IMA2003-026 * (see Schlemaite) See Also: GOOGLE,
IMA2003-027 * (see Vurroite) See Also: GOOGLE,
IMA2003-028 * (see Haleniusite-(La)) See Also: GOOGLE,
IMA2003-029 * (see Lindbergite) See Also: GOOGLE,
IMA2003-030 * (see Agardite-(Ce)) See Also: GOOGLE,
IMA2003-031a ! (Pb,REE,Ca)Cu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-032 ! Tl(Cl,Br) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-033 * (see Yazganite) See Also: GOOGLE,
IMA2003-034 * (see Zeravshanite) See Also: GOOGLE,
IMA2003-035 * (see Pekovite) See Also: GOOGLE,
IMA2003-036 * (see Tokyoite) See Also: GOOGLE,
IMA2003-037 * (see Biraite-(Ce)) See Also: GOOGLE,
IMA2003-039 ! Pb2(Pb,Sb)2S8[Te,Au]2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-040 ! (Mg,Cu)SO4·7H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-041 * (see Herbertsmithite) See Also: GOOGLE,
IMA2003-042 * (see Cadmoindite) See Also: GOOGLE,
IMA2003-043 * (see Potassicarfvedsonite) See Also: GOOGLE,
IMA2003-044 * (see Bykovaite) See Also: GOOGLE,
IMA2003-045a ! (Sc,Ca)2KBe3Si12O30 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-046 * (see Arapovite) See Also: GOOGLE,
IMA2003-047 * (see Holtstamite) See Also: GOOGLE,
IMA2003-048 * (see Struvite-K) See Also: GOOGLE,
IMA2003-049 * (see Skaergaardite) See Also: GOOGLE,
IMA2003-050 ! NaCa2(Mg3Fe++Al)5(Si6Al2O22)F2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-051 * (see Schlegelite) See Also: GOOGLE,
IMA2003-052 * (see Eyselite) See Also: GOOGLE,
IMA2003-053 * (see Iwashiroite-(Y)) See Also: GOOGLE,
IMA2003-055 * (see Vanadiocarpholite) See Also: GOOGLE,
IMA2003-056 * (see Milotaite) See Also: GOOGLE,
IMA2003-058 * (see Mazzite-Na) See Also: GOOGLE,
IMA2003-059 * (see Elsmoreite) See Also: GOOGLE,

IMA2003-060 * (see Rudenkoite) See Also: GOOGLE,
IMA2003-061 * (see Dellaventuraite) See Also: GOOGLE,
IMA2003-062 ! Na(CaMn)2Mg5(Si7Al)O22(OH)2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2003-063 * (see Ferrorosemaryite) See Also: GOOGLE,
IMA2003-064 * (see Angelaite) See Also: GOOGLE,
IMA2003-065 * (see Allanite-(La)) See Also: GOOGLE,
IMA2003-066 * (see Manganocummingtonite) See Also: GOOGLE,
IMA2003-066 * (see Parvowinchite) See Also: GOOGLE,
IMA2004-001 ! [(REE+Y),U,Th,Ca,Fe](Nb,Ta,Ti)O4 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-002 * (see Fluoro-sodic-pedrizite) See Also: GOOGLE,
IMA2004-003 * (see Mazzettiite) See Also: GOOGLE,
IMA2004-004 * (see Hingganite-(Ce)) See Also: GOOGLE,
IMA2004-005 ! CsFe2S3 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-006 ! (Ca,Na)5[(P,S)O4]3(OH,Cl) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-007 * (see Naldretteite) See Also: GOOGLE,
IMA2004-008 ! (Sr,Ba,K)(Ti,Nb)2(Si4O12)(OH,O)2·3(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-009 ! Mg2(PO4)(OH) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-010 * (see Seifertite) See Also: GOOGLE,
IMA2004-011 * (see Kokchetavite) See Also: GOOGLE,
IMA2004-012 * (see Sokolovaite) See Also: GOOGLE,
IMA2004-013 ! (Ba,K)(Mg,Fe++,Ti)3(Si,Al)4O10O2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-014 ! La3Mn++3Cu++(Mn+++,Fe+++,Mn++++)26(Si2O7)6O30 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-015 ! (Mn++,Ca)(REE)V+++AlMn++(Si2O7)(SiO4)O(OH) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-016 ! Cu6(OH)10(SO4)·H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-017 * (see Senekevichite) See Also: GOOGLE,
IMA2004-019 ! Ba(Ce,REE)(CO3)2F NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-020 ! Pd4Sb3 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-021 ! Co3(PO4)2·8(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-022 ! Pb2(UO2)11(BiO)8(PO4)5(OH)19·6(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-023 * (see Chukhrovite-(Nd)) See Also: GOOGLE,
IMA2004-024 * (see Kirgizstanite) See Also: GOOGLE,
IMA2004-025 ! Cu+Cu++5PbO2(SeO3)2Cl5 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-026 ! Na12(Ce,REE,Sr)3Ca6Mn3Zr3W(Si25O73)(OH)3(CO3)·H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

IMA2004-028 * (see Challacolloite) See Also: GOOGLE,
IMA2004-029 ! (Ce,Nd,Ca)[(UO2)3O(OH)(PO4)2]·6(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-030 ! [ ]Li2(Fe++3Al2)S5(Si8O22)(OH)2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-031 ! AuBi5S4 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-032 ! Pb2AsS3(I,Cl) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-033 * (see Wilhelmramsayite) See Also: GOOGLE,
IMA2004-034 ! ([ ],Na)(Na,Ca)2(Mg, Fe++)4Fe+++[Si8O22](OH)2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-035 ! Mn7(PO4)2(OH)8 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-036 * (see Juangodoyite) See Also: GOOGLE,
IMA2004-037 * (see Kochsandorite) See Also: GOOGLE,
IMA2004-038 ! Cu13(AsO4)6(AsO3OH)4·23(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-040 * (see Mogovidite) See Also: GOOGLE,
IMA2004-041 ! Ca2Fe++[ ]Mg2Fe++2Be4(PO4)6(OH)4·6(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-043 ! (Na37K9Ca10)S56(Si42Al42)S84O168(SO4)12·6(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-044 ! Na(Mn,Mg,Zn)9[VSi9O28(OH)](OH)3 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-045 ! [ ](CaMn)S2Mg5Si8O22(OH)2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-046 ! PdCu3 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-047 ! PdAsSe NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-048 ! Ag3CuSe2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-049 ! NaMg3(AlSi3)O10(OH)2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-04a * (see Kupletskite-(Cs)) See Also: GOOGLE,
IMA2004-050 ! Fe3(PO4)2(OH)3·5H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-051 ! 5(Al2O3)·H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-052 ! Ca3Ti5[(Si6O17)2|O(OH)4]·14(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-053 ! Pb3[Al(OH)6](SO4)(OH) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-054 ! (Na,Ca)AlSi3O8 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
IMA2004-054 * (see IMA2004-054) See Also: GOOGLE,
Imandrite Na12Ca3Fe+++2Si12O36 NAME ORIGIN: Named for the locality. LOCALITY: Khibiny massif, near Lake Imandra, Kola Peninsula, Russia.

Imgreite ? NiTe
Imgreite-discredited * (see Melonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Imgreite-Pd & Sb free * (see Hexatestibiopanickelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Imhofite Tl6CuAs16S40 NAME ORIGIN: For Jospeh Imhof (1902-1969).
Imiterite Ag2HgS2 NAME ORIGIN: For the Imiter mine locality in Morocco. LOCALITY: In the Imiter mine, Anti-Atlas Mountains, Morocco.
Imogolite Al2SiO3(OH)4 NAME ORIGIN: Named for the locality. LOCALITY: Imogo soil, Hitoyoshi, Kumamoto Prefecture, Japan.
Inaglyite PbCu3(Ir,Pt)8S16 NAME ORIGIN: Named for the locality. LOCALITY: Inagli massif, Yakutia, Russia.
Incaite Pb4Sn4FeSb2S15 NAME ORIGIN: Named for the Inca people, pre-European rulers of Chile, Bolivia, and Peru.
Inderborite CaMg[B3O3(OH)5]2·6(H2O)
Inderite MgB3O3(OH)5·5(H2O) NAME ORIGIN: Named after its source.
Indialite Mg2Al4Si5O18 NAME ORIGIN: Named for the locality LOCALITY: Bokaro coal seam, southwest of Hazaribagh, Bihar, India.
Indianite * (see Anorthite) See Also: GOOGLE, Athena, MinDAT, MinMax
Indicolite - blue * (see Elbaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Indigirite Mg2Al2(CO3)4(OH)2·15(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Sarylakh Au-Sb deposit, Indigirka River, northeastern Yakutia, Russia.
Indite Fe++In2S4 NAME ORIGIN: For the indium in its composition.
Indium In NAME ORIGIN: Named for the element which is named after the indigo line in its spectrum.
Inesite Ca2Mn7Si10O28(OH)2·5(H2O) NAME ORIGIN: From the Greek ines - "flesh fibers."
Ingersonite Ca3Mn++Sb+++++4O14 NAME ORIGIN: Named for F. Earl Ingerson (1906-1993), U. S. Geochemist.
Ingodite Bi(S,Te) NAME ORIGIN: Named after the locality. LOCALITY: From the Ingoda deposit near the source of the Ingoda River, central Transbaikal.
Innelite (Na,Mg,Ca)2(Ba,K)4Ti3(Si2O7)2(SO4)2(OH,F) NAME ORIGIN: From the Yakut name, "inneli," for the Inagli River, Yakutia, Russia.
Insizwaite Pt(Bi,Sb)2 NAME ORIGIN: For the Insizwa mineral deposit, South Africa, where it was discovered.
Intersilite ! Na6Mn++Ti[Si10O24(OH)](OH)3·4(H2O) NAME ORIGIN: Named in allusion to it's intermediate position between the layered and banded silicates.
Inyoite Ca2B6O6(OH)10·8(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Mount Blanco mine, Mount Blanco, Black Mountains, Death Valley, Inyo County, California.
Iodargyrite AgI NAME ORIGIN: Named after its chemical composition if iodine (Greek, iodes = "violet") and silver (Latin, argentum).
Iodyrite * (see Iodargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iolite * (see Cordierite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iowaite Mg4Fe+++(OH)8OCl·2-4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Sioux County, Iowa.
Iquiqueite K3Na4Mg(Cr++++++O4)B24O39(OH)·12(H2O) NAME ORIGIN: Named for the locality LOCALITY: Iquique, Tarapaca Province, Chile.
Iranite Pb10Cu(CrO4)6(SiO4)2(F,OH)2 NAME ORIGIN: Name for the

country.
Iraqite-(La) K(La,Ce,Th)2(Ca,Na)4(Si,Al)16O40 NAME ORIGIN: For the country of origin, Iraq and La in the composition.
Irarsite (Ir,Ru,Rh,Pt)AsS NAME ORIGIN: For the Iridium and ARSenic in the composition.
Irhtemite Ca4Mg(AsO3OH)2(AsO4)2·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Irhtem ore deposit, Morocco.
Iridarsenite (Ir,Ru)As2 NAME ORIGIN: For the IRIDium and ARSENic in the composition.
Iridisite * (Ir,Cu,Rh,Ni,Pt)S2
Iridium (Ir,Os,Ru,Pt) NAME ORIGIN: Named after the element Iridium which was from the Latin, Iris = "rainbow" in allusion to the colored salts derived from its compounds.
Iridosmine * (see Osmium) See Also: GOOGLE, Athena, MinDAT, MinMax
Iriginite (UO2)(Mo++++++2O7)·3(H2O) NAME ORIGIN: Unknown origin.
Iron Fe NAME ORIGIN: Probably Anglo-Saxon in origin.
Iron Alum * (see Halotrichite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iron Mica * (see Biotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iron spar * (see Siderite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iron Spinel * (see Hercynite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iron Talc * (see Minnesotaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iron uralite * (see Bassetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iron wollastonite * (see Ferrobustamite) See Also: GOOGLE, Athena, MinDAT, MinMax
Iron-Magnesia Spinel * (see Magnesioferrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Irtyshite Na2(Ta,Nb)4O11 NAME ORIGIN: Named for the locality. LOCALITY: Irtysh River area, eastern Kazakhstan.
Ishikawaite (U,Fe,Y,Ca)(Nb,Ta)O4 (?) NAME ORIGIN: Named after its locality. LOCALITY: Ishikawa, Ivaki Province, Japan.
Isinglass * (see Muscovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Isochalcopyrite * Cu8Fe9S16
Isoclasite Ca2(PO4)(OH)·2(H2O) (?) NAME ORIGIN: Named from the Greek for "equal" and "fracture", in allusion to the cleavage.
Isocubanite CuFe2S3 NAME ORIGIN: Named as the isometric polymorph of cubanite.
Isoferroplatinum (Pt,Pd)3(Fe,Cu) NAME ORIGIN: Named for the structure and composition.
Isokite CaMg(PO4)F NAME ORIGIN: Named for the locality LOCALITY: Nkumbwa Hill, near Isoka, northern Kumbwa, Zamibia.
Isolueshite ! (Na,La,Ca)(Nb,Ti)O3 NAME ORIGIN: The name reflects its isometric habit, optical isotropism and compositional similarity to its orthorhombic polymorph, lueshite.
Isomertieite Pd11Sb2As2 NAME ORIGIN: For its structural and compositional relationship to mertieite-I.
Isovite ! (Cr,Fe)23C6 NAME ORIGIN: For the locality. LOCALITY: The Is River, near the town of Is, Isovsky district, Middle Urals, Russia.
Itoigawaite ! SrAl2Si2O7(OH)2·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: On the seashore of Oyashirazu, about 15 km WSW of Itoigawa Station, Itoigawa-Ohmi district, Niigata-ken Prefecture, Japan.
Itoite Pb3[GeO2(OH)2](SO4)2 NAME ORIGIN: Named for Tei-Ichi Ito

(1898-1980), mineralogist and crystallographer, University of Tokyo, Japan.
Iwakiite Mn++(Fe+++,Mn+++)2O4 NAME ORIGIN: Named for the locality. LOCALITY: Gozaisho mine, Iwaki, Fukushima Prefecture, Japan.
Iwashiroite-(Y) ! YTaO4 NAME ORIGIN: Named for the old prefectural name of Fukushima prefecture (Iwashiro).
Ixiolite (Ta,Nb,Sn,Mn++,Fe++)O2 NAME ORIGIN: For "Ixion", of Greek mythology, who was related to Tantalus, in allusion to the mineral's relationship to tantalite.
Izoklakeite Pb27(Cu,Fe)2(Sb,Bi)19S57 NAME ORIGIN: Named for the locality. LOCALITY: From Izok Lake, Northwest Territories, Canada.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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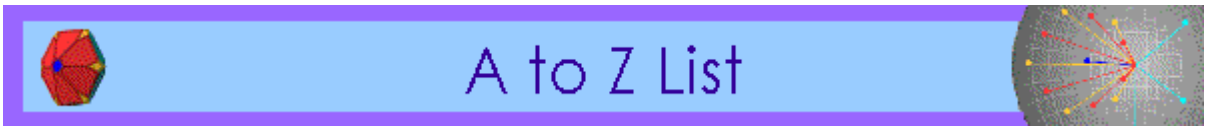

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J Index of Mineral Species

This alphabetical listing of **J minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Jachimovite * (see Cuprosklodowskite) See Also: GOOGLE, Athena, MinDAT, MinMax

Jachymovite ! (UO2)8(SO4)(OH)14·13(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Jachymov (St. Joachimsthal), Krusne Hory, Zapadocesky kraj, Cechy (Bohemia), Czech Republic.

Jachymovite * (see Cuprosklodowskite) See Also: GOOGLE, Athena, MinDAT, MinMax

Jacobsite + (Mn++,Fe++,Mg)(Fe+++,Mn+++)2O4 NAME ORIGIN: Named after its locality. LOCALITY: Jakobsberg, Sweden.

Jacquesdietrichite ! Cu2[BO(OH)2](OH)3 NAME ORIGIN: Named for Jacques Emile Dietrich (1926-), French geologist who collected the specimens.

Jadeite Na(Al,Fe+++)Si2O6 NAME ORIGIN: From the Spanish, piedra de ijada, "stone of the side," because its supposed to cure kidney ailments if applied to the side of the body.

Jaffeite Ca4(Si3O7)(OH)6 NAME ORIGIN: Named for Howard Jaffe of the University of Massachusetts.

Jagoite (Pb,Na,Ca)3(Fe+++,Mg)Si3O10(Cl,OH) NAME ORIGIN: Named for John B. Jago Trelawney (1909-), mineral collector of Palo Alto, California, USA.
Jagowerite BaAl2(PO4)2(OH)2
Jagueite ! Cu2Pd3Se4 NAME ORIGIN: Named after the small village of Jagué, which is located in the homonymous "Bolson de Jagué" (depression of Jagué).
Jahnsite * (see Jahnsite-(CaMnMg)) See Also: GOOGLE, Athena, MinDAT, MinMax
Jahnsite-(CaFeFe) * (Ca,Mn)(Fe++,Mn++)Fe++2Fe+++2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for Richard H. Jahns (1915-1983), mineralogist and pegmatite expert, Stanford University, Palo Alto, California, USA.
Jahnsite-(CaMnFe) CaMn++Fe++2Fe+++2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for Richard H. Jahns (1915-1983), mineralogist and pegmatite expert, Stanford University, Palo Alto, California, USA.
Jahnsite-(CaMnMg) CaMnMg2Fe+++2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for Richard H. Jahns (1915-1983), mineralogist and pegmatite expert, Stanford University, Palo Alto, California, USA.
Jahnsite-(CaMnMn) CaMn++Mn++2Fe+++2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for Richard H. Jahns (1915-1983), mineralogist and pegmatite expert, Stanford University, Palo Alto, California, USA.
Jahnsite-(MnMnMn) * MnMnMn2Fe+++2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for Richard H. Jahns (1915-1983), mineralogist and pegmatite expert, Stanford University, Palo Alto, California, USA.
Jaipurite * CoS NAME ORIGIN: Named for the locality LOCALITY: Khetri mines, Jaipur, India
Jalpaite Ag3CuS2 NAME ORIGIN: For the Mexican locality at Jalpa. LOCALITY: In the USA, in Colorado, at the Payrock mine in Silver Plume, Clear Creek Co.
Jamborite (Ni++,Ni+++,Fe)(OH)2(OH,S,(H2O)) NAME ORIGIN: Named for John L. Jambor, (1936-), mineralogist, Geological Survey of Canada.
Jamesite Pb2Zn2Fe+++5(AsO4)5O4
Jamesonite Pb4FeSb6S14 NAME ORIGIN: Named after the Scottish Mineralogist, R. Jameson (1774-1854).
Janggunite Mn++++5-x(Mn++,Fe+++)1+xO8(OH)6, x = 0,2 NAME ORIGIN: Named for the locality. LOCALITY: Janggun mine, Bonghwa, Korea.
Janhaugite (Na,Ca)3(Mn++,Fe++)3(Ti++++,Zr,Nb)2Si4O15(OH,F,O)3 NAME ORIGIN: Named for Jan Haug, and amateur mineralogist who first observed the mineral.
Jankovicite Tl5Sb9(As,Sb)4S22 NAME ORIGIN: For Prof. S. Jankovic (1925-) in recognition of his work on the mineralogy and geology of Allchar.
Janosite * (see Copiapite) See Also: GOOGLE, Athena, MinDAT, MinMax
Jarcon - colorless * (see Zircon) See Also: GOOGLE, Athena, MinDAT, MinMax
Jarlite Na(Sr,Na,[ ])7(Mg,[ ])Al6F32(OH,H2O)2 NAME ORIGIN: Named for Carl Frederik Jarl (1872-19510, Formerly President of the Danish Cryolite Company, who first noted the mineral.
Jarosewichite Mn++3Mn+++(AsO4)(OH)6 NAME ORIGIN: Named for Eugene Jaroswich (1926-), chief chemist, Department of Mineral Sciences, National Museum of Natural History, Smithsonian Institution.
Jarosite KFe+++3(SO4)2(OH)6 NAME ORIGIN: Named after its locality. LOCALITY: Barranco Jaroso in southern Spain.

Jarrowite (calcite pseudomorphs) * (see Ikaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Jaskolskiite Pb2+xCux(Sb,Bi)2-xS5, x=0.2 NAME ORIGIN: Named for Stanislaw Jaskolski (1896-1981), of the Akademia Gorniczo-Hutnicza, Krakow, Poland.
Jasmundite Ca11(SiO4)4O2S
Jasper - red or brown chalcedony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Jeanbandyite (Fe+++,Mn++)Sn++++(OH)6 NAME ORIGIN: Named for Jean A. Bandy, Wickenburg, Arizona, USA, who, with her husband Mark Bandy, translated Agricola's "De Natura Fossilium" from original Latin.
Jedvabite * (see Jedwabite) See Also: GOOGLE, Athena, MinDAT, MinMax
Jedwabite ! Fe7(Ta,Nb)3 NAME ORIGIN: For Jacques Jedwab, Université Libre de Bruxelles, Belgique, in recognition of his meticulous investigations of the mineralogy of placers and of carbides in natural environments.
Jefferisite * (see Hydrobiotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Jeffreyite (Ca,Na)2(Be,Al)Si2(O,OH)7
Jenkinsite * (see Antigorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Jennite Ca9Si6O18(OH)6·8H2O NAME ORIGIN: Named for Clarence Marvin Jenni (1896-1973), American mineral collector and director of the Geological Museum, University of Missouri.
Jensenite Cu++3Te++++++O6·2(H2O) NAME ORIGIN: For Mr. Matin C. Jensen (1959-), who first collected and recognized this mineral as a potentially new species.
Jentschite ! TlPbAs2SbS6 NAME ORIGIN: Named after Franz Jentsch (1868-1908), head of the Binn syndicate that worked the sulfosalt deposit at the Lengenbach quarry.
Jeppeite (K,Ba)2(Ti,Fe+++)6O13 NAME ORIGIN: Named for John Frederick Biccard Jeppe (1920-), geologist of Nedlands, Western Australia, discoverer of the mineral.
Jeremejevite Al6B5O15(F,OH)3 NAME ORIGIN: Named after the Russian mineralogist, P. V. Jeremejev (1820-1899).
Jeromite As(S,Se)2 NAME ORIGIN: Named for the locality LOCALITY: United Verde Mine, Jerome, Arizona, USA.
Jerrygibbsite (Mn,Zn)9(SiO4)4(OH)2 NAME ORIGIN: Named for Gerald V. Gibbs (1929-), Virginia Polytechnic Institute, Blacksburg, Virginia, USA.
Jervisite (Na,Ca,Fe++)(Sc,Mg,Fe++)Si2O6
Jezekite * (see Morinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Jianshuiite (Mg,Mn++)Mn++++3O7·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Lu Village, Juanshui County, Yunnan Province, China.
Jimboite Mn3B2O6
Jimthompsonite (Mg,Fe++)5Si6O16(OH)2
Jinshajiangite Na2K5BaCa(Fe,Mn)8(Ti,Fe,Nb,Zr)4Si8O32(O,F,H2O)6 NAME ORIGIN: Named for the locality. LOCALITY: Jinshajiang River, Sichuan Province, China.
Jixianite Pb(W,Fe+++)2(O,OH)7
Joaquinite-(Ce) NaFe++Ba2Ce2(Ti,Nb)2[Si4O12]2O2(OH,F)·(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Benitoite Gem mine, head waters of the San Benito River, Joaquin Ridge, Diablo Range, 1 mile south of Santa Rita Peak, San Benito Co. California.
Joesmithite PbCa2(Mg,Fe++,Fe+++)5Si6Be2O22(OH)2 NAME ORIGIN:

Named for Prof. Joseph Victor Smith (1928-), English-American mineralogist and petrologist of the University of Chicago, Chicago, Illinois, USA.

Johachidolite CaAlB3O7

Johannite $Cu(UO_2)_2(SO_4)_2(OH)_2 \cdot 8(H_2O)$ NAME ORIGIN: Named for Archduke Johann (1782-1859) of Austria, fornder of the Styrian Landsmuseum ing Graz.

Johannsenite $CaMnSi_2O_6$ NAME ORIGIN: Named after Prof. Albert Johannsen of the University of Chicago.

Johillerite $Na(Mg,Zn)_3Cu(AsO_4)_3$ NAME ORIGIN: Named for Johannes Eric Hiller (1911-1972), professor of mineralogy, Stuttart, Germany.

Johnbaumite $Ca_5(AsO_4)_3(OH)$ NAME ORIGIN: Named for John L. Baum (1916-), resident geologist of the New Jersey Zinc Co. and curator of the Franklin Mineral Museum, Franklin, New Jersey, USA.

Johninnesite $Na_2Mg_4Mn^{++}_{12}(AsO_4)_2(Si_{12}O_{35})(OH)_6$ NAME ORIGIN: Named for John Innes, mineralogist of the Tsumeb Corporation, for his contributions to the mineralogy of the Tsumeb and Kombat mines.

Johnsomervilleite $Na_2Ca(Mg,Fe^{++},Mn)_7(PO_4)_6$ NAME ORIGIN: Named for John M. Somerville (1908-1978), who collected the first specimen.

Johnstrupite * (see Mosandrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Johntomaite ! $Ba(Fe^{++},Ca,Mn^{++})_2Fe^{+++}_2(PO_4)_3(OH)_3$ NAME ORIGIN: Named after Mr. John Toma, amateur mineralogist and finder of the mineral.

Johnwalkite $K(Mn^{++},Fe^{+++},Fe^{++})_2(Nb,Ta)(PO_4)_2O_2((H_2O),OH)_2$ NAME ORIGIN: Named for Richard JOHNson (1936-1998) and Frank WALKup (1943-1993), mineral preparators, National Museum of Natural History, Washington, D. C., USA.

Jokokuite $MnSO_4 \cdot 5(H_2O)$

Joliotite $(UO_2)(CO_3) \cdot n(H_2O)$, (n=2?) NAME ORIGIN: Named in 1976 for J. Frederic Joliot (1900-1958), French physicist, and I. Joliot-Curie.

Jolliffeite (Ni,Co)AsSe NAME ORIGIN: Named in 1991 for Alfred W. Jolliffe (1907-1988), Canadian geologist.

Jonesite $Ba_2(K,Na)[Ti_2(Si_5Al)O_{18} \cdot n(H_2O)$ NAME ORIGIN: Named for Francis Tucker Jones (1905-1993), Research Chemical Microscopist of Berkeley, California, USA, who discovered the mineral

Jordanite $Pb_{14}(As,Sb)_6S_{23}$ NAME ORIGIN: Named after H. Jordan from Saarbrucken.

Jordisite MoS_2 NAME ORIGIN: For Eduard Friedrich Alexander Jordis (1868-1917), colloidal chemist.

Jorgensenite ! $Na_2(Sr,Ba)_{14}Na_2Al_{12}F_{64}(OH,F)$

Joseite $Bi_4(S,Te)_3$ NAME ORIGIN: For the locality at San Jose in Brazil. LOCALITY: From San Jose, near Marianna, Minas Gerais, Brazil.

Joseite-B $Bi_4(S,Te)_3$ NAME ORIGIN: For the relationship to joseite; "B" to distinguish it from joseite, formerly joseite-A.

Josephinite * (see Awaruite) See Also: GOOGLE, Athena, MinDAT, MinMax

Jouravskite $Ca_3Mn^{++++}(SO_4,CO_3)_2(OH)_6 \cdot 12(H_2O)$ NAME ORIGIN: Named for Georges Jouravsky (1896-1964), chief geologist, Division de la Geologie du Maroc.

Juabite ! $(Ca,Fe^{++})Cu_{10}(Te^{++++}O_3)_4(As^{+++++}O_4)_4(OH)_2 \cdot 4(H_2O)$ NAME ORIGIN: Named after its discovery locality. LOCALITY: Found in the Centennial Eureka mine, Juab County, Utah, U.S.A.

Juangodoyite ! $Na_2Cu(CO_3)_2$ NAME ORIGIN: Commission on New Minerals

and Mineral Names (CNMMN)
Juanitaite ! (Cu,Ca,Fe)10Bi(AsO4)4(OH)11·2(H2O) NAME ORIGIN: The name is for Juanita Curtis who found the mineral.
Juanite Ca10Mg4Al2Si11O39·4(H2O) (?) NAME ORIGIN: Named for the San Juan Mountains, Colorado, USA.
Julgoldite-(Fe++) Ca2Fe++(Fe+++,Al)2(SiO4)(Si2O7)(OH)2·(H2O) NAME ORIGIN: Named in 1971 by Moore for Julian Royce Goldsmith (1918-), American geochemist, University of Chicago.
Julgoldite-(Fe+++) Ca2Fe+++(Fe+++,Al)2(SiO4)(Si2O7)(O,OH)2·(H2O) NAME ORIGIN: Named in 1971 by Moore for Julian Royce Goldsmith (1918-), American geochemist, University of Chicago.
Julianite * (see Tennantite) See Also: GOOGLE, Athena, MinDAT, MinMax
Julienite * Na2Co++(SCN)4·8(H2O) NAME ORIGIN: Named for Henri Julien (-1920), Belgian scientist.
Jungite Ca2Zn4Fe+++8(PO4)9(OH)9·16(H2O) NAME ORIGIN: Named for Gerhard Jung, German mineral collector who found the mineral.
Junitoite CaZn2Si2O7·(H2O)
Junoite Pb3Cu2Bi8(S,Se)16 NAME ORIGIN: For the Juno mine, Australia, in which it was first found.
Juonniite ! CaMgSc(PO4)2(OH)·4(H2O) NAME ORIGIN: The name alludes to the locality. Pronounced YO'NAITE. LOCALITY: Kovdor ultramafic alkaline complex, Yona or Juonni River (from the Russian or Finnish), Kola Peninsula, Russia).
Jurbanite Al(SO4)(OH)·5(H2O)
Jurupaite * (see Stevensite) See Also: GOOGLE, Athena, MinDAT, MinMax
Jurupaite * (see Xonotlite) See Also: GOOGLE, Athena, MinDAT, MinMax

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(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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John Betts - Fine Minerals
Classic minerals, out-of-print books & magazines, plus informative articles for collectors

This alphabetical listing of **K minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

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	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
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K-Rectorite * (see Rectorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kaatialaite Fe+++[H2As+++++O4]3·5-5.5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Kaatiala granite pegmatite, Kuortane, western Finland.
Kadyrelite Hg4(Br,Cl)2O NAME ORIGIN: Named for the locality. LOCALITY: Kadyrel deposit, Tuva, Siberia, Russia.
Kaersutite NaCa2(Mg4Ti)Si6Al2O23(OH)2
Kafehydrocyanite * K4Fe++(CN)6·3(H2O) NAME ORIGIN: Named for it's composition.
Kahlerite Fe++(UO2)2(AsO4)2·10-12(H2O)
Kainite MgSO4·KCl·3(H2O) NAME ORIGIN: From the Greek kainos, meaning "contemporary."
Kainosite-(Y) Ca2(Y,Ce)2Si4O12(CO3)·(H2O) NAME ORIGIN: From the Greek for "unusual", for its rarity and exotic composition.

Kakoxen * (see Cacoxenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kalborsite K6Al4Si6BO20(OH)4Cl NAME ORIGIN: Named for the composition (KAlium, ALuminum,BORate, and SIlicon).
Kaliborite KHMg2B12O16(OH)10·4(H2O)
Kalicinite KHCO3
Kalifersite ! (K,Na)5Fe+++7Si20O50(OH)6·12(H2O) NAME ORIGIN: For the chemical composition: KALium (Potassium), FERrum (Iron), and SIlicium (Silicon).
Kalininite ZnCr2S4 NAME ORIGIN: For P.I. Kalinin, Russian mineralogist and petrologist, investigator of the southern Baikal region.
Kalinite KAl(SO4)2·11(H2O) NAME ORIGIN: Named for the composition (Kalium = potassium).
Kaliophilite KAlSiO4
Kalipyrochlore (H2O,Sr)(Nb,Ti)(O,OH)6·(H2O,K) NAME ORIGIN: Named for the pyrochlore mineral group and potassium (KALium) although later work shows very little potassium in the formula.
Kalistrontite K2Sr(SO4)2
Kalsilite KAlSiO4 NAME ORIGIN: Named for the compostion, Kallium (Potassium), Aluminum, and Silicon. K,AL,SI.
Kaluginite * (Mn++,Ca)MgFe+++(PO4)2(OH)·4(H2O) NAME ORIGIN: Named for Aleksandr V. Kalugin (1857-1933), mineralogist, Ural Mountains, Russia.
Kamacite alpha-(Fe,Ni) NAME ORIGIN: Named from the Greek for "shaft" or "lath".
Kamaishilite Ca2Al2SiO6(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Kamaishi mine, Kamaishi, Iwate Prefecture, Honshu, Japan.
Kambaldaite NaNi4(CO3)3(OH)3·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Otter shoot, Kambalda, WA, Australia.
Kamchatkite KCu++3OCl(SO4)2
Kamiokite Fe2Mo3O8 NAME ORIGIN: Named for the locality. LOCALITY: Kamioka Ag-Pb-Zn mine, Gifu Prefecture, Japan.
Kamitugaite PbAl(UO2)5(PO4)2(OH)9·9.5(H2O) NAME ORIGIN: Named for the mining district at the locality. LOCALITY: Kobokobo, Kivu, Zaire.
Kammererite - Red * (see Clinochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Kamotoite-(Y) (Y,Nd,Gd)2U++++++4(CO3)3O12·14.5(H2O) NAME ORIGIN: Named for the locality LOCALITY: Kamoto, southern Shaba, Zaire.
Kampfite ! Ba6[(Si,Al)O2]8(CO3)2Cl2(Cl,H2O)2 NAME ORIGIN: Named for Anthony Robert Kampf (1948-), Curator and Section Head of Minerals, Los Angeles County Museum, in recognition of his many contributions in the study of new minerals.
Kamphaugite-(Y) Ca(Y,REE)(CO3)2(OH)2·3(H2O) NAME ORIGIN: Named for Erling Kamphaug (1931-), Norwegian mineral collector.
Kanemite NaHSi2O5·3(H2O)
Kankite Fe+++AsO4·3.5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Kank, Kutno Hora district, Stredocesky Kraj, Bohemia, Czech Republic.
Kanoite (Mn++,Mg)2Si2O6
Kanonaite (Mn+++,Al)AlSiO5
Kanonerovite ! MnNa3P3O10·12(H2O) NAME ORIGIN: Named for Aleksandr Anatol'evich Kanonerov (1955-), mining historian at the Nizhnii Tagil Museum of Mining Industry of the Middle Urals.
Kaolinite Al2Si2O5(OH)4 NAME ORIGIN: Named after the locality.

LOCALITY: Kao-Ling, China.
Kapitsaite-(Y) ! (Ba,K,Pb,Na)4(Y,Ca,REE)2[Si8B2(B,Si)2O28F] NAME ORIGIN: Named for P. L. Kapitsa (1894-1984), Russian physicist.
Kapustinite ! Na5.5Mn0.25ZrSi6O16(OH)2 NAME ORIGIN: Named for Yu. L. Kapustin (1933-2002), Russian mineralogist who extensively studied alkaline massifs.
Karasugite SrCaAl(F,OH)7
Karelianite V2O3 NAME ORIGIN: Named for the Karelian shist belt were the mineral occurs.
Karibibite Fe+++2As+++4(O,OH)9 NAME ORIGIN: Named for the locality. LOCALITY: Karibib lithium pegmatite, Namibia.
Karlite ! (Mg,Al)6(BO3)3(OH,Cl)4 NAME ORIGIN: Named for F. Karl, German professor at the University of Kiel, Austria.
Karnasurtite-(Ce) (Ce,La,Th)(Ti,Nb)(Al,Fe+++)(Si,P)2O7(OH)4·3(H2O) (?) NAME ORIGIN: Named for the locality. LOCALITY: Vein No. 2, Mt. Karnasurt, Lovozero massif, Kola Peninsula, Russia.
Karpatite C24H12 NAME ORIGIN: Named for the locality. LOCALITY: Transcarpatinian Alps, Russia.
Karpinskite (Mg,Ni)2Si2O5(OH)2 (?) NAME ORIGIN: Named for Alexander Petrovich Karpinsky (1846-1936), Russian geologist and president of the Russian Academy of Sciences.
Karupmollerite-Ca ! (Na,Ca,K)2Ca(Nb,Ti)4(Si4O12)2(O,OH)4·7(H2O) NAME ORIGIN: Named for Svend Karup-Moller (1936-), Danish mineralogist.
Karyinite * (see Caryinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kashinite (Ir,Rh)2S3 NAME ORIGIN: To honor S.A. Kashin, a Russian investigator of ore deposits in the Ural Mountains.
Kasolite Pb(UO2)SiO4·(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Kasolo, Zaire.
Kassite CaTi2O4(OH)2 NAME ORIGIN: Named for Kicolai Grigorevich Kassin (1885-1949), Russian Geologist and academician, discoverer of the Afrikanda massif on the Kola Peninsula.
Kastningite ! (Mn++,Fe++,Mg)Al2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named after Jürgen Kastning (b. 1932), from Reinbeck bei Hamburg, Germany, amateur mineralogist specializing in phosphate minerals, who discovered the mineral.
Katayamalite (K,Na)Ca7Li3Ti2[Si6O18]2(OH,F)2 NAME ORIGIN: Named for Nobuo Katayama (1910-), prominent Japanese mineralogist.
Katoite Ca3Al2(SiO4)3-x(OH)4x x=1.5-3
Katophorite Na(CaNa)Fe++4(Al,Fe+++)Si7AlO22(OH)2 NAME ORIGIN: Named from the Greek for "carrying down", in allusion to its volcanic origin.
Katoptrite (Mn,Mg)13(Al,Fe+++)4Sb+++++2Si2O28 NAME ORIGIN: Named from the Greek for "mirror", for the perfectly reflecting cleavage surfaces.
Kawazulite Bi2(Te,Se,S)3 NAME ORIGIN: For the Kawazu mine, Japan.
Kazakhstanite Fe+++5V++++3V+++++12O39·8.5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Northwestern Karatau, Kazakhstan.
Kazakovite Na6Mn++TiSi6O18 NAME ORIGIN: For Maria Efimovna Kazakova, analytical chemist who provided the mineral's analysis.
Keckite Ca(Mn,Zn)2Fe+++3(PO4)4(OH)3·2(H2O) NAME ORIGIN: Named for Erich Keck, Etzenricht, Germany, collector of Hagendorf minerals.

Kegelite Pb8Al4Si8O20(SO4)2(CO3)4(OH)8 NAME ORIGIN: Named for Friedrich Wilhelm Kegel, director of the Tsumbe mine from 1922 to 1938.
Kehoeite-quartz, gypsum and sphalerite * (see Woodhouseite) See Also: GOOGLE, Athena, MinDAT, MinMax
Keilhauite-REE * (see Titanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Keilite ! (Fe,Mg)S NAME ORIGIN: Named after Klaus Keil (1934-), professor at the University of Hawaii.
Keithconnite Pd3-xTe(x=0.14 to 0.43) NAME ORIGIN: Named for Keith Conn (1923), U.S. Geologist who investigated the Stillwater Complex, Nye, Montana, USA.
Keiviite-(Y) (Y,Yb)2Si2O7
Keiviite-(Yb) (Yb,Y)2Si2O7
Keldyshite Na2-xHxZrSi2O7·n(H2O)
Kellyite (Mn++,Mg,Al)3(Si,Al)2O5(OH)4 NAME ORIGIN: Named for William Crowley Kelley (1929-), American geologist, University of Michigan.
Kelyanite Hg+16Hg++20Sb3(Cl,Br)9O28 NAME ORIGIN: Named for the locality. LOCALITY: Kelyan deposit, Buryatia, Ural Mountains, Russia.
Kemmlitzite (Sr,Ce)Al3(AsO4)(SO4)(OH)6 NAME ORIGIN: Named for the locality. LOCALITY: Kemmlitz kaolin depoosit, near Oschatz, Saxony, Germany.
Kempite Mn2Cl(OH)3
Kenhsuite ! Hg3S2Cl2 NAME ORIGIN: For Dr. Kenneth Junghwa Hsu (1929-), Professor Emeritus, Swiss Federal Institute of Technonogy, Zurich, Switzerland.
Kennedyite-Discredited IMA 1988 * (see Armalcolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kentbrooksite ! (Na,REE)15(Ca,REE)6Mn++Zr3NbSi25O74F2·2(H2O) NAME ORIGIN: For Dr. C. Kent Brooks (1943-), leader of fourteen geological expeditions to the Kangerdlugssuaq area of east Greenland.
Kentrolite Pb2Mn+++2Si2O9 NAME ORIGIN: From the Greek for spike or thorn, for its prismatic habit.
Kenyaite Na2Si22O41(OH)8·6(H2O) NAME ORIGIN: Named for the country of origin.
Keramohalite * (see Alunogen) See Also: GOOGLE, Athena, MinDAT, MinMax
Kermesite Sb2S2O NAME ORIGIN: Name from kermes, a name given from the Persian qurmizq, "crimson" in the older chemistry to red amorphous antimony trisulphide, often mixed with antimony trioxide.
Kernite Na2B4O6(OH)2·3(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Boron, Kern County, California, the county that contains the fabulous borate deposits at Kramer.
Kerolite * (see Stevensite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kerolite * (see Talc) See Also: GOOGLE, Athena, MinDAT, MinMax
Kerolite(Ni) * (see Pimelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kerstenite * PbSeO4 (?)
Kerstenite * (see Olsacherite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kertschenite * (see Metavivianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kesterite Cu2(Zn,Fe)SnS4 NAME ORIGIN: Named for the locality. LOCALITY: Kester deposit, Yano-Adychansk region, Yakutia, Russia.
Kettnerite CaBi(CO3)OF NAME ORIGIN: Named for Radim Kettner (1891-1968), professor of geology, Charles University, Prague, Czech Republic.
Keyite Cu++3(Zn,Cu)4Cd2(AsO4)6·2(H2O) NAME ORIGIN: Named for

Charles Locke Key (1935-), Canton, Connecticut, USA, American mineral dealer who furnished the first specimens.

Keystoneite Mg0.5[Ni++Fe++(TeO3)3]·4.5(H2O) NAME ORIGIN: Named for the locality LOCALITY: Keystone mine, Magnolia distict, Boulder County, Colorado, USA.

Khademite Al(SO4)F·5(H2O) NAME ORIGIN: Named for N. Khadem, (b1910), director, Geological Survey of Iran.

Khaidarkanite ! Na0.34Cu4Al3(OH)14F3·2(H2O) NAME ORIGIN: Named after the discovery locality. LOCALITY: Khaidarkan antimony-mercury deposit, northern slope of the Alai Range, Fergana Valley, Kyrgyzstan.

Khamrabaevite (Ti,V,Fe)C NAME ORIGIN: Named for Ibragim Khamrabaevich Khamrabaeva (1920-), Director, Institute of Geology and Geophysics, Tashkent, Uzbekistan.

Khanneshite (NaCa)3(Ba,Sr,Ce,Ca)3(CO3)5

Kharaelakhite (Pt,Cu,Pb,Fe,Ni)9S8 NAME ORIGIN: For the Kharaelakh Plateau, Noril'sk region, USSR.

Khatyrkite (Cu,Zn)Al2 NAME ORIGIN: Named for the locality. LOCALITY: Khatirskii ultramafic zone of the Koryak-Kamchata fold area, Koryak Mountains, Russia.

Khibinskite K2ZrSi2O7 NAME ORIGIN: Named for the locality. LOCALITY: Gakman Valley, Khibiny massif, Kola Peninsula, Russia.

Khinite PbCu++3Te++++++O6(OH)2

Khmaralite ! (Mg,Al,Fe)16(Al,Si,Be)12O40 NAME ORIGIN: For the locality, which was named in honor of Ivan Fedorovich Khmara (1936-1956), a tractor driver who perished in Antarctica. LOCALITY: From "Zircon Point,", Khmara Bay, Enderby Land, Antarctica.

Khomyakovite ! Na12Sr3Ca6Fe3Zr3W(Si25O73)(O,OH,H2O)3(OH,Cl)2 NAME ORIGIN: Named after Alexander Petrovich Khomyakov (b. 1933), of the Institute of Mineralogy, Geochemistry and Crystal Chemistry of Rare Elements, Moscow, Russia, for his extensive contributions t

Khristovite-(Ce) (Ca,REE)(Ce,REE)(Mg,Fe,Cr,Ti,V,Al)Mn++Al(SiO4)(Si2O7)(OH)(F,O) NAME ORIGIN: Named for Evgenia Valdimirovicha Khristova (1933-), Russian geologist and specialist in Tien-shan geology.

Kiddcreekite Cu6SnWS8 NAME ORIGIN: Named for the locality. LOCALITY: Kidd Creek mine, near Timmins, Ontario, Canada.

Kidney Ore * (see Hematite) See Also: GOOGLE, Athena, MinDAT, MinMax

Kidwellite Na(Fe+++,Cu)9+x(PO4)6(OH)11·3(H2O) NAME ORIGIN: Named for Albert Laws Kidwell (1919-), Houston, Texas.

Kieftite CoSb3 NAME ORIGIN: Named in 1994 for Cornelis Kieft (b.1924), Dutch mineralogist.

Kieserite MgSO4·(H2O) NAME ORIGIN: Named after D. G. Kieserr. President of the Academy in Jena, Germany (1770-1826).

Kilbrickenite * (see Geocronite) See Also: GOOGLE, Athena, MinDAT, MinMax

Kilchoanite Ca3Si2O7 NAME ORIGIN: Named for the locality. LOCALITY: Kilchoan, Ardnamurchan, Scotland.

Killalaite 2Ca3Si2O7·(H2O)

Kimolite * (see Endellite) See Also: GOOGLE, Athena, MinDAT, MinMax

Kimrobinsonite Ta(OH)3(O,CO3) NAME ORIGIN: Named for Kim Robertson, (1951-), Autralian geologist of Perth, Western Autralia, who found the first

specimen.
Kimuraite-(Y) CaY2(CO3)4·6(H2O) NAME ORIGIN: Named for Kenjiro Kimura (1896-), Geochemist, University of Japan.
Kimzeyite Ca3(Zr,Ti)2(Si,Al,Fe+++)3O12 NAME ORIGIN: Named for the Kimzey family, long associated with the mineralogy at Magnet Cove, Arkansas.
Kingite Al3(PO4)2(F,OH)2·8(H2O,OH) NAME ORIGIN: Named for D. King, 1926-1990), geologist, Department of Mines, SA, Australia.
Kingsmountite (Ca,Mn++)4(Fe++,Mn++)Al4(PO4)6(OH)4·12(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Foote Quarry, Kings Mountain, Cleveland County, North Carolina, USA.
Kinichilite Mg0.5[Mn++Fe+++(TeO3)3]·4.5(H2O) NAME ORIGIN: Named for Kin-Ichi Sakurai (1912-1993), Japanese amateur mineralogist and collector, coauthor of "Minerals of Japan" 1938.
Kinoite Ca2Cu2Si3O8(OH)4 NAME ORIGIN: Named after Eusebio Francisco Kino (1645-1711), Jesuit explorer of the southwestern United States.
Kinoshitalite (Ba,K)(Mg,Mn,Al)3Si2Al2O10(OH)2 NAME ORIGIN: Named for Dr. Kameki Kinshita (1896-1974), investigator of ore deposits in Japan.
Kintoreite PbFe+++3(PO4)2(OH,H2O)6 NAME ORIGIN: For the locality. LOCALITY: Kintore opencut and Block 14 opencut, Broken Hill, New South Wales, Australia.
Kipushite (Cu,Zn)5Zn(PO4)2(OH)6·(H2O)
Kirgizstanite ! ZnAl4(SO4)(OH)12·3(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Kirkiite Pb10Bi3As3S19 NAME ORIGIN: For Kirki, Greece.
Kirschsteinite CaFe++SiO4
Kitaibelite * Ag10PbBi30S51
Kithilite * (see Bassetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kitkaite NiTeSe NAME ORIGIN: Named for the river Kitka, in findland, in the valley of which the mineral was found.
Kittatinnyite Ca2Mn+++2Mn++Si2O8(OH)4·9(H2O) NAME ORIGIN: Named from the Algonquin for "endless hills," in allusion to the topography of the Franklin, New Jersey, area.
Kivuite ? (Th,Ca,Pb)H2(UO2)4(PO4)2(OH)8·7(H2O) NAME ORIGIN: Named in 1958 for the locality. LOCALITY: Kobokobo pegmatite, Kivu, Zaire.
Kladnoite C6H4(CO)2NH
Klaprothite * (see Lazulite) See Also: GOOGLE, Athena, MinDAT, MinMax
Klaprothite - mixture with emplectite * (see Wittichenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Klaprothite - mixture with wittichenite * (see Emplectite) See Also: GOOGLE, Athena, MinDAT, MinMax
Klebelsbergite Sb+++4O4(OH)2(SO4) NAME ORIGIN: Named for Kuno Klebelsberg (1875-1932), Hungarian educator.
Kleberite * FeTi6O13·4(H2O) (?) NAME ORIGIN: Named for Will Kleber (1906-1970), Humboldt University, Berlin.
Kleberite-(OH) * (see Pseudorutile) See Also: GOOGLE, Athena, MinDAT, MinMax
Kleemanite ZnAl2(PO4)2(OH)2·3(H2O) NAME ORIGIN: Named for Alfred William Kleeman, petrologist, University of Adelaide, SA, Aurtalia.
Kleinite Hg2N(Cl,SO4)·n(H2O) NAME ORIGIN: Named for Carl Klein (1832-1907), German mineralogist, University of Berlin.

Klockmannite CuSe NAME ORIGIN: Named for Friedrich Klockmann (1857-1937), German mineralogist of Aachen.
Klyuchevskite K3Cu3(Fe+++,Al)O2(SO4)4 NAME ORIGIN: Named after the locality. LOCALITY: Great Tolbachik fissure eruption, Kamchatka, Russia.
Klyuchevskite-Duplicate K3Cu3Fe+++O2(SO4)4 NAME ORIGIN: Named after the locality. LOCALITY: Great Tolbachik fissure eruption, Kamchatka, Russia.
Knebelite(Mn) * (see Fayalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Knopite (Ce) * (see Perovskite) See Also: GOOGLE, Athena, MinDAT, MinMax
Knorringite Mg3Cr2(SiO4)3
Koashvite Na6(Ca,Mn)(Ti,Fe)Si6O18·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Mt. Koashva, Khibiny massif, Kola, Peninsula, Russia.
Kobeite-(Y) (Y,U)(Ti,Nb)2(O,OH)6 (?) NAME ORIGIN: Named for the locality. LOCALITY: Kobe-Mura [presently Oyama-cho], Japan.
Kobellite Pb22Cu4(Bi,Sb)30S69 NAME ORIGIN: Named for Wolfgang Franz von Kobell (1803-1882), German mineralogist.
Kochite ! Na2(Na,Ca)4Ca4(Mn,Ca)2Zr2Ti2(Si2O7)4(O,F)4F4 NAME ORIGIN: Named for Lauge Koch (1892-1964), Danish geologist who mapped Werner Bjerge.
Kochkarite PbBi4Te7 NAME ORIGIN: Named after the locality. LOCALITY: Kochkar deposit, Ural Mountains, Russia
Kochsandorite ! CaAl2(CO3)2(OH)4·H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Koechlinite Bi2MoO6 NAME ORIGIN: Named for Rudolf Koechlin (1862-1939), Austrian mineralogist.
Koenenite Na4Mg4Cl12·Mg5Al4(OH)22 NAME ORIGIN: Named for Adolf von Koenen (1837-1915), German geologist of Gottingen, who first found the mineral.
Koettigite * (see Kottigite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kogarkoite Na3(SO4)F NAME ORIGIN: Named for Lia Nikolaevna Kofarko (1936-), Russian geochemist, who first noticed the mineral in Russia.
Kokchetavite ! KAlSi3O8 NAME ORIGIN: Named for the locality. LOCALITY: Kumdy-Kul, Kokchetav, Kazakhstan.
Koktaite (NH4)2Ca(SO4)2·(H2O) NAME ORIGIN: Named for Jaroslav Kokta (1904-1970), Czech chemist, who analyzed the artificial compound.
Kolarite PbTeCl2 NAME ORIGIN: Named for the locality. LOCALITY: Champion Reef mine, Kolar Geold Fields, Karnataka, India.
Kolbeckite ScPO4·2(H2O) NAME ORIGIN: Named for Friedrich L. W. Kolbeck (1860-1943), mineralogist, Mining Academy, Freiberg, Germany.
Kolfanite Ca2Fe+++3O2(AsO4)3·2(H2O)
Kolicite Mn7Zn4(AsO4)2(SiO4)2(OH)8
Kolovratite Hydrous vanadate of Ni and Zn NAME ORIGIN: Named for Lev S. Kolovrat-Chervinsky (1884-1921), a Russian physicist.
Kolwezite (Cu,Co)2(CO3)(OH)2 NAME ORIGIN: Named for the mine locality. LOCALITY: Kolwezi-Kamoto-Musonoi, southern Shava, Zaire.
Kolymite Cu7Hg6 NAME ORIGIN: Named for the locality. LOCALITY: Krokhalin antimony deposit, Kolyma River, Russia.
Komarovite (Ca,Mn)2(Nb,Ti)2Si2O7(O,F)2·3.5(H2O) NAME ORIGIN: Named for Vladimir M. Komarov (1927-1967), Russian cosmonaut, who was killed during his return flight on April, 23, 1967.

Komarovite-Na * (see Na-komarovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kombatite Pb14(VO4)2O9Cl4 NAME ORIGIN: The name is for the Kombat mine, which is the Anglicized version of the Herero names, "Okombahe Tijinene" and "Okombahe Katiti" which mean "the large drinking place of the giraffe," and t
Komkovite BaZrSi3O9·3(H2O)
Konderite PbCu3(Rh,Pt,Ir)8S16 NAME ORIGIN: Named for the locality. LOCALITY: Konder massif, Yakutia, Russia.
Kondorite * (see Konderite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kongsbergite * (see Amalgam) See Also: GOOGLE, Athena, MinDAT, MinMax
Koninckite Fe+++PO4·3(H2O) (?) NAME ORIGIN: Named for Laurent Guillaumen de Koninck (1809-1887), Belgian geologist.
Konyaite Na2Mg(SO4)2·5(H2O)
Koragoite (Mn++,Fe+++)3(Nb,Ta,Ti)2(Nb,Mn)2(W,Ta)2O20 NAME ORIGIN: Named after Aleksei Aleksandrovich Korago (1942–1993), geologist who investigated the formation of river pearls in the Arkhangel'sk district of Russia, and the origin of amber.
Koritnigite ZnHAsO4·(H2O)
Kornelite Fe+++2(SO4)3·7(H2O) NAME ORIGIN: Named after Kornel Hlavacsek (1835-1914), hungarian mining engineer at the Szomolnok copper mine.
Kornerupine (Mg,Fe++)4(Al,Fe+++)6(SiO4,BO4)5(O,OH)2 NAME ORIGIN: Named after the Danish geologist, A. N. Kornerup (1857-1881).
Kornite Na(CaNa)Fe++4(Al,Fe+++)Si7AlO22(OH)2
Korobitsynite ! Na3(Ti,Nb)2[Si4O12](OH,O)2·3-4(H2O) NAME ORIGIN: Named after Mikhail Fedorovich Korobitsyn (1928-1996), amateur mineralogist and collector who made significant contributions to mineralogical investigations of the Lovozero alkaline compl
Korshunovskite Mg2Cl(OH)3·3.5-4(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Korshunov iron ore deposti, Irkutsk, Siberia, Russia.
Korzhinskite CaB2O4·(H2O) NAME ORIGIN: Named for D.S. Korzhinski
Kosmochlor NaCr+++Si2O6
Kosnarite KZr++++2(PO4)3 NAME ORIGIN: Named for Richard A. Kosnar (1946-), mineral dealer.
Kostovite CuAuTe4 NAME ORIGIN: Named for Ivan Kostov (1912-), Bulgarian mineralogist.
Kostylevite K2ZrSi3O9·(H2O) NAME ORIGIN: Named for Yekaterina Eutikhievna Kostyleva-Labuntsova (1894-1974), Russian Mineralogist.
Kotoite Mg3B2O6 NAME ORIGIN: Named for Bundjiro Koto (1856-1935), Japanese geologist.
Kottigite Zn3(AsO4)2·8(H2O) NAME ORIGIN: Named for Otto Köttig (1824-?), chemist of Schneeberg, Saxony, Germany.
Kotulskite Pd(Te,Bi) NAME ORIGIN: Named for Vladimir Klement'evich Kotul'skii, economic geologist and an authority on Cu-Ni sulfide deposits.
Koutekite Cu5As2 NAME ORIGIN: Named for Jaromir Koutek (1902-1983), Czech mineralogist.
Kovdorskite Mg5(PO4)2(CO3)(OH)2·4.5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Kovdor massif, Kola Pneinsula, Russia.
Kozoite-(La) ! La(CO3)(OH) NAME ORIGIN: Named as the La-dominant

analog of kozoite-(Nd).
Kozoite-(Nd) ! (Nd,La,Sm,Pr)(CO3)(OH) NAME ORIGIN: Named for Kozo Hanashima (1925-1985), a chemist, and pioneer in the study of chemistry of rare earth minerals in Japan.
Kozulite NaNa2Mn++4(Fe+++,Al)Si8O22(OH)2
Kraisslite (Mn++,Mg)24Zn3Fe+++(As+++O3)2(As+++++O4)3(SiO4)6(OH)18 NAME ORIGIN: Named for Frederick Kraissl, Jr. (1899-1986) and Alice L. Kraissl (1905-1986), of Hackensack, New Jersey.
Krasnogorite * WO3
Krasnoselskite * CoWO4
Krasnovite ! Ba(Al,Mg)(PO4,CO3)(OH)2·(H2O) NAME ORIGIN: For N. I. Krasnova (1941-), mineralogist at St. Petersburg University.
Kratochvilite (C6H4)2CH2 NAME ORIGIN: Named for J. Kratochvil.
Krausite KFe+++(SO4)2·(H2O) NAME ORIGIN: Named for Edward Henry Krous (1875-1973), American mineralogist, University of Michigan.
Krauskopfite BaSi2O4(OH)2·2(H2O)
Krautite MnAs+++++O3(OH)2·(H2O)
Kremersite (NH4,K)2Fe+++Cl5·(H2O) NAME ORIGIN: Named for Peter Kremers (1827-?), German chemist.
Krennerite AuTe2 NAME ORIGIN: Named for Joseph A. Krenner (1839-1920), Hungarian mineralogist.
Krettnichite ! PbMn+++2(VO4)2(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Krettnich, Saarland, Germany.
Kribergite Al5(PO4)3(SO4)(OH)4·4(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Kristineberg mine, Vasterbotten, Sweden.
Krinovite NaMg2CrSi3O10 NAME ORIGIN: Named for Evgeny Leonidovich Krinov (1906-1984), Russian student of meteorites.
Kristiansenite ! Ca2ScSn(Si2O7)(Si2O6OH) NAME ORIGIN: Named for Roy Kristiansen (1943-), amateur mineralogist who first observed the mineral.
Kroehnkite * (see Krohnkite) See Also: GOOGLE, Athena, MinDAT, MinMax
Krohnkite Na2Cu(SO4)2·2(H2O) NAME ORIGIN: Named after B. Kroehnke, who was the first person to analyze it.
Krupkaite PbCuBi3S6 NAME ORIGIN: Named for the locality. LOCALITY: Krupka, Srredocesky kraj, Czech Republic.
Krutaite CuSe2 NAME ORIGIN: Named for Tomas Kruta, Director of the Mineralogy Laboratory, Moravian Museum, Bron, Czechoslovakia.
Krutovite NiAs2 NAME ORIGIN: Named for Georgi Alekseevich Krutov, Professor of Mineralogy, Moscow Gosdarst Univeristy, Moscow, Russia.
Kryzhanovskite MnFe+++2(PO4)2(OH)2·(H2O) NAME ORIGIN: Named for Vladimir Ilyitch Kryzhanovsky (1881-1947), curator of the Mineralogical Museum, Russian Academy of Sciences, Moscow.
Ktenasite (Cu,Zn)5(SO4)2(OH)6·6(H2O) NAME ORIGIN: Named for Constantine A. Ktenas (1935-), Greek mineralogist.
Kuannersuite-(Ce) ! Ba6Na2REE2(PO4)6FCl NAME ORIGIN: Named for the locality. LOCALITY: Kuannersuit Plateau (formerly Kvanefjeld) in the Ilimaussaq alkaline complex, South Greenland.
Kudriavite ! (Cd,Pb)Bi2S4 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Kukharenkoite-(Ce) ! Ba2Ce(CO3)3F NAME ORIGIN: For Prof. Alexander

A. Kukharenko (1914-1993), Department of Mineralogy, St. Petersburg University, St. Petersburg, Russia.
Kukharenkoite-(La) ! Ba2(La,Ce)(CO3)3F NAME ORIGIN: Named as the La dominant analogue of kukharenkoite-Ce).
Kukisvumite Na6ZnTi4Si8O28·4(H2O)
Kuksite Pb3Zn3Te++++++O6(PO4)2 NAME ORIGIN: Named for A. I. Kuks, Russian prospector, one of the discoverers of the Kuranakh deposit.
Kulanite Ba(Fe++,Mn,Mg)2Al2(PO4)3(OH)3 NAME ORIGIN: Named for Alan Kulan (1921-1977), prospector who found the first specimen.
Kuliokite-(Y) (Y,REE)4Al(SiO4)2(OH)2F5 NAME ORIGIN: Named for Kuliok River, Kola Peninsula, Russia.
Kulkeite Na0.35Mg8AlSi7O20(OH)10 NAME ORIGIN: Named for Holger Kulke, geologist, Essen, Germany.
Kullerudite NiSe2 NAME ORIGIN: Named for Gunner Kullerud, Geophisical Laboratory, Washington, D.C., USA.
Kunzite - pink, violet, purple * (see Spodumene) See Also: GOOGLE, Athena, MinDAT, MinMax
Kupcikite ! Cu3.4Fe0.6Bi5S10 NAME ORIGIN: Named for Vladimir Kupcik (1934-1990), professor at the University of Bratislava and Gottingen in recognition of his contributions to the crystal chemistry of sulfosalts.
Kupfer * (see Copper) See Also: GOOGLE, Athena, MinDAT, MinMax
Kupletskite K2Na(Mn,Fe++)7(Ti,Nb)2Si8O26(OH)4F NAME ORIGIN: Named for Boris Mikhailovich Kupletski (1984-1964) and Elsa Maximilianove Bohnshtedt Kupletskaya (1897-1974), Russian geologists.
Kupletskite-(Cs) (Cs,K)2Na(Mn,Fe++,Li)7(Ti,Nb)2Si8O26(OH)4F NAME ORIGIN: For the cesium in the composition and similarity to kupletskite. Renamed kupletskite-(Cs) from cesium kupletskite (IMA order 04-A).
Kuramite Cu3SnS4 NAME ORIGIN: Name for the locality. LOCALITY: Kochbulak Au-Ag-Te deposit, Chatkal-Kuraminskii (Kuramin) Mountains, Angren Region, Tashkent District, Uzbekistan.
Kuranakhite PbMn++++Te++++++O6 NAME ORIGIN: Named for the locality. LOCALITY: Kuranakh gold deposit, southern Yakutia, Russia.
Kurchatovite Ca(Mg,Mn,Fe++)B2O5 NAME ORIGIN: Named for Igor V. Kurchatov (1903-1960), Russian physicist.
Kurgantaite ! CaSr[B5O9]Cl·(H2O) NAME ORIGIN: Named for the locality. Revalidated 2002 from a mineral described in 1952 and discredited in 1984. LOCALITY: Western Kargan-tau, Inder uplift (Salt Dome), northern Caspian area, western Kazakhstan.
Kurilite * (Ag,Au)2(Te,Se,S) NAME ORIGIN: Named for the locality. LOCALITY: Kurile-Kamtchatka volcanic belt, Siberia, Russia
Kurilite * (see IMA1999-004a) See Also: GOOGLE, Athena, MinDAT, MinMax
Kurnakovite MgB3O3(OH)5·5(H2O) NAME ORIGIN: Named for Nikolai S. Kurnakov (1860-1941), Russian mineralogist.
Kurtzite * (see Harmotome) See Also: GOOGLE, Athena, MinDAT, MinMax
Kurumsakite (Zn,Ni,Cu)8Al8V2Si5O35·27(H2O) (?) NAME ORIGIN: Named for the locality. LOCALITY: Kurumsak, near Dzhambul, Karatau Mountanins, Kazakhstan.
Kusachiite CuBi2O4 NAME ORIGIN: For Dr. Isao Kusachi (1942-), of Okayama University in recognition of his work on the skarn minerals of the locality. LOCALITY: Fika, Bitchu-Cho, Okayama Prefecture, Japan.

Kusuite * (see Wakefieldite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Kutinaite Cu14Ag6As7 NAME ORIGIN: Named for Jan Kutina (1924-), Czech mineralogist.
Kutnahorite * (see Kutnohorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Kutnohorite Ca(Mn,Mg,Fe++)(CO3)2 NAME ORIGIN: Named after its locality in Czechoslovakia.
Kuzelite ! Ca4Al2.4(OH)12.8(SO4)·6(H2O) NAME ORIGIN: For Prof. Hans Jurgen Kuzel of Erlangen, Germany. who first synthesized th compound.
Kuzmenkoite * (see Kuzmenkoite-Mn) See Also: GOOGLE, Athena, MinDAT, MinMax
Kuzmenkoite-Mn ! (K,Na)2(Mn,Fe)(Ti,Nb)4[Si4O12]2(OH)4·5(H2O) NAME ORIGIN: Named for the Russian geochemist and mineralogist Maria V. Kuz'menko (1918-1995).
Kuzmenkoite-Zn ! K2Zn(Ti,Nb)4(Si4O12)2(OH,O)4·6-8(H2O) NAME ORIGIN: Named for the Russian geochemist and mineralogist Maria V. Kuz'menko (1918-1995) and the Zn content.
Kuzminite Hg2(Br,Cl)2
Kuznetsovite ! Hg3Cl(AsO4) NAME ORIGIN: Named for V. A. Kuznetsov.
Kvanefjeldite Na4(Ca,Mn)Si6O14(OH)2
Kyanite Al2SiO5 = Al[6]Al[6]OSiO4 NAME ORIGIN: From the Greek kyanos = "blue."
Kyzylkumite V+++2Ti3O9 NAME ORIGIN: Named for the locality. LOCALITY: Kyzul-Kum, Uzbekistan.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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L Index of Mineral Species

This alphabetical listing of **L minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Labradorite * + ▲ (Ca,Na)(Si,Al)4O8 NAME ORIGIN: Named after its locality. LOCALITY: Labrador peninsula, Canada.

Labuntsovite * (see Labuntsovite-Mg) See Also: GOOGLE, Athena, MinDAT, MinMax

Labuntsovite - (60.1.3.2) * (see Labuntsovite-Mn) See Also: GOOGLE, Athena, MinDAT, MinMax

Labuntsovite-Fe ! ▲ Na4K4(Ba,K)2(Fe,Mg,Mn)1+xTi8(Si4O12)4(O,OH)8·10(H2O) NAME ORIGIN: Named as the Fe dominant member of the labuntsovite subgroup.

Labuntsovite-Mg ! + ▲ Na4K4(Ba,K)(Mg,Fe)1+xTi8(Si4O12)4(O,OH)8·10(H2O) NAME ORIGIN: Named as the Mg dominant member of the labuntsovite subgroup.

Labuntsovite-Mn + ▲ Na4K4(Ba,K)(Mn,Fe)1+x(Ti,Nb)8[Si4O12]4(O,OH)8·n(H2O), n=10-12 NAME ORIGIN: Named for Aleksander Nikolaevich Labuntsov and Ekaterina Eutikhieva Labuntsov-Kostyleva, Russian mineralogists.

Labyrinthite ! (Na,K,Sr)35Ca12Fe3Zr6TiSi51O144(O,OH,H2O)9Cl3 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Lacroixite NaAl(PO4)F
Laffittite AgHgAsS3 NAME ORIGIN: Named for Pierre Laffitte, Director, National School of Mines, Paris, France.
Laflammeite ! Pd3Pb2S2 NAME ORIGIN: Named for J. H. Gilles Laflamme (1947-) of CANMET, Ottawa, who has contributed to the study of numerous PGM.
Laforetite ! AgInS2 NAME ORIGIN: Named for Claude P. Laforet (1936-) a metallographer at the Bureau de Recherches Geologiques et Minieres, who first observed the mineral from the Montgros mine.
Laihunite Fe++Fe+++2(SiO4)2
Laitakarite Bi4(Se,S)3 NAME ORIGIN: Named for Aarne Laitakari, Director, Geological Survey of Finland, who collected the original material.
Laiton * (see Brass) See Also: GOOGLE, Athena, MinDAT, MinMax
Lalondeite ! (Na,Ca)6(Ca,Na)3Si16O38(F,OH)2·3(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Lamellar zeolite * (see Heulandite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Lamellar zeolite * (see Heulandite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Lamellar zeolite * (see Heulandite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Lamellar zeolite * (see Heulandite-Sr) See Also: GOOGLE, Athena, MinDAT, MinMax
Lammerite Cu3[(As,P)O4]2
Lamprophyllite Na2(Sr,Ba)2Ti3(SiO4)4(OH,F)2 NAME ORIGIN: From the Greek, lampros - "luster" and fyllon - "leaf" in allusion to the lusterous cleavage.
Lanarkite Pb2(SO4)O NAME ORIGIN: Named for the locality LOCALITY: Susanna Mine, Leadhills, Lanarkshire, Scotland.
Landauite NaMnZn2(Ti,Fe+++)6Ti12O38 NAME ORIGIN: Named for Lev Davidovich Landau (1908-1968), noted Russian physicist.
Landesite (Mn,Mg)9Fe+++3(PO4)8(OH)3·9(H2O)
Langbanite (Mn,Ca,Fe)++4(Mn+++,Fe+++)9Sb+++++Si2O24 NAME ORIGIN: After its locality. LOCALITY: At Langbanshyttan, Vermland, Sweden and the Sjo mines near Orebro in Orebro.
Langbeinite K2Mg2(SO4)3
Langisite (Co,Ni)As NAME ORIGIN: Named for the locality. LOCALITY: Langis mine, Casey Township, Cobalt-Gowganda area, Ontario, Canada.
Langite Cu4(SO4)(OH)6·2(H2O) NAME ORIGIN: Named after the Viennese physicist, V. von Lang (1838-1921).
Lanmuchangite ! TlAl(SO4)2·12(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Lanmuchang Tl-Hg deposit, Xinren County, Guizhou Province, China.
Lannonite HCa4Mg2Al4(SO4)8F9·32(H2O) NAME ORIGIN: Named after Dan Lannon, who staked important claims at the locality in the late 1800's. LOCALITY: Lone Pine mine, Catron County, New Mexico.
Lansfordite MgCO3·5(H2O)
Lanthanite-(Ce) (Ce,La)2(CO3)3·8(H2O) NAME ORIGIN: Named for its relationship to lanthanite-(La) and the cerium content.
Lanthanite-(La) (La,Ce)2(CO3)3·8(H2O) NAME ORIGIN: Named for the dominant lanthanum in the composition. From the Greek, lanthanein = "to lie hidden."
Lanthanite-(Nd) (Nd,La)2(CO3)3·8(H2O) NAME ORIGIN: Named for its relationship to lanthanite-(La) and the neodymium content.

Laphamite As2(Se,S)3 NAME ORIGIN: Named for Davis M. Lapham (1931-1974), former Chief Mineralogist of the Pennsylvania Geological Survey.
Lapieite CuNiSbS3 NAME ORIGIN: Named for the locality. LOCALITY: Near the confluence of Glacier Creek and the Lapie River, Cyr Ranges, Yukon Territory, Canada.
Lapis lazuli * (see Lazurite) See Also: GOOGLE, Athena, MinDAT, MinMax
Laplandite-(Ce) Na4CeTiPSi7O22·5(H2O) NAME ORIGIN: Named for Lappland (Lapland), the region in which the Kola Peninsula lies.
Lapparentite * (see Rostite) See Also: GOOGLE, Athena, MinDAT, MinMax
Larderellite (NH4)B5O6(OH)4 NAME ORIGIN: Named for count Francesco de Larderelle (1848-1925), owner of the "BORAX mine" in Tuscany, Italy
Larimar - blue * (see Pectolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Larisaite ! Na(H3O)(UO2)3(SeO3)2O2·4(H2O) NAME ORIGIN: Larisa Nikolaevna Belova (1923-1998), Russian mineralogist and crystallographer.
Larnite Ca2SiO4 NAME ORIGIN: Named after its locality. LOCALITY: Scawt Hill, near Larne, Co., Antrim, Ireland.
Larosite (Cu,Ag)21(Pb,Bi)2S13 NAME ORIGIN: Named for Fred LaRose, a discoverer of silver ore at Cobalt.
Larsenite PbZnSiO4 NAME ORIGIN: Named for Esper Signius Larsen, Jr. (1879-1961), petrologist and Professor of Geology, Harvard University.
Lasurite * (see Lazurite) See Also: GOOGLE, Athena, MinDAT, MinMax
Latiumite (Ca,K)8(Al,Mg,Fe)(Si,Al)10O25(SO4) NAME ORIGIN: For the Latin name of the district of origin, Latium, Italy.
Latrappite (Ca,Na)(Nb,Ti,Fe)O3 NAME ORIGIN: Named for the locality. LOCALITY: St Lawrence Columbium and Metals Corporation mine, near La Trappe, Quebec, Canada.
Laubmannite ? Fe++3Fe+++6(PO4)4(OH)12 NAME ORIGIN: Named for Heinrich Laubmann (1865-1951), German mineralogist.
Laueite Mn++Fe+++2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named for M. F. T. Von Laue.
Laumontite CaAl2Si4O12·4(H2O) NAME ORIGIN: Named after the Frenchman, F. P. N. de Laumont (1747-1834).
Launayite Pb22Sb26S61 NAME ORIGIN: Named for Louis de Launay (1860-1938), French student of mineral deposits.
Laurelite Pb7F12Cl2 NAME ORIGIN: Named for the locality. LOCALITY: Grand Reef, Mine, Aravaipa District, Laural Canyon, Graham County, Arizona USA.
Laurionite PbCl(OH) NAME ORIGIN: Named after its locality. LOCALITY: Ancient lead slags at Laurium, Greece.
Laurite RuS2 NAME ORIGIN: Named for Laura R. Joy, wife of Charles A. Joy, American Chemist, Columbia University, New Yourk City, USA.
Lausenite Fe+++2(SO4)3·6(H2O) NAME ORIGIN: Named for Carl Lausen, U. S. Mining engineer, who first described the species.
Lautarite Ca(IO3)2
Lautenthalite PbCu++4(OH)6(SO4)2·3(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Lautenthal, Harz Mts, Germany.
Lautite CuAsS NAME ORIGIN: Named after its locality. LOCALITY: Vater Abraham Mine (Shaft 139), Lauta, Marienberg District, Erzgebirge, Saxony, Germany.

Lavendulan NaCaCu5(AsO4)4Cl·5(H2O) NAME ORIGIN: Named for the color (lavender blue).
Lavenite (Na,Ca)2(Mn,Fe++)(Zr,Ti,Nb)Si2O7(O,OH,F) NAME ORIGIN: Named for the locality. LOCALITY: In Norway, on Laven and the Aro Islands.
Lavrentievite Hg3S2(Cl,Br)2 NAME ORIGIN: Named for Michail Alexeevich Lavrentiev (1900-1980), Russian mathematician and academician, founder of the Siberian Academy of Science.
Lawrencite (Fe++,Ni)Cl2
Lawsonbauerite (Mn,Mg)9Zn4(SO4)2(OH)22·8(H2O)
Lawsonite CaAl2Si2O7(OH)2·(H2O) NAME ORIGIN: Named for Andrew Cowper Lawson (1861-1952), Scottish-American geologist.
Lazarenkoite CaFe++As+++3O7·3(H2O) NAME ORIGIN: Named for Eugeni Konstatinovich Lazarenko (1912-1979), mineralogist, academician, Academy of Science, Ukraine.
Lazulite MgAl2(PO4)2(OH)2 NAME ORIGIN: From the Arabic azul - "sky" and the Greek lithos - "stone."
Lazurite Na3Ca(Al3Si3O12)S NAME ORIGIN: From the Persian lazward - "blue."
Lead Pb NAME ORIGIN: Anglo-Saxon, lead; Latin plumbum.
Lead arsenate * (see Schultenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lead Glance * (see Galena) See Also: GOOGLE, Athena, MinDAT, MinMax
Lead Monoxide * (see Massicot) See Also: GOOGLE, Athena, MinDAT, MinMax
Lead Spar * (see Anglesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lead Thiosulfate * (see Sidpietersite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lead Vitrol * (see Anglesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Leadamalgam HgPb2 NAME ORIGIN: Named as the natural alloy of lead and mercury.
Leadhillite Pb4(SO4)(CO3)2(OH)2 NAME ORIGIN: Named for the localiy. LOCALITY: Leadhills, Lanarkshire, Scotland.
Leakeite NaNa2(Mg2Fe+++2Li)Si8O22(OH)2
Lechatelierite * SiO2
Lecontite (NH4,K)Na(SO4)·2(H2O)
Legrandite Zn2(AsO4)(OH)·(H2O) NAME ORIGIN: Named after the Belgian mining engineer, Legrande.
Lehiite * (see Millisite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lehnerite Mn[UO2/PO4]2·8(H2O)
Leifite Na2(Si,Al,Be)7(O,OH,F)14 NAME ORIGIN: Named for the tenth-century Norse mariner and explorer Leif Ericson.
Leightonite K2Ca2Cu(SO4)4·2(H2O) NAME ORIGIN: Named for T. Leighton, mineralogist at the University of Sanitago, Chile.
Leisingite ! Cu(Mg,Cu,Fe,Zn)2Te++++++O6·6(H2O) NAME ORIGIN: For Mr. Joseph F. Leising (1949-), geologist and mineral collector of Reno, Nevada, USA.
Leiteite ZnAs+++2O4 NAME ORIGIN: Named for Luis Texeira-Leite (1942-), Portuguese mineral dealer who discovered the mineral.
Lekeite-K * (see Potassicleakeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lemanskiite ! NaCaCu5(AsO4)4Cl·5(H2O) NAME ORIGIN: Named for Chester (Chet) S. Lemanski, Jr.
Lemmleinite * (see Lemmleinite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Lemmleinite-Ba ! Na2K2Ba1-xTi4(Si4O12)2(O,OH)4·5(H2O) NAME ORIGIN:

Named as the Ba-dominant member of the lemmleinite subgroup.
Lemmleinite-K ! NaK2(Ti,Nb)2Si4O12(O,OH)2·2(H2O) NAME ORIGIN: Named for Georgy G. Lemmlein (1901-1962), prominent Russian mineralogist and crystallographer.
Lemoynite (Na,K)2CaZr2Si10O26·5-6(H2O) NAME ORIGIN: Named for Charles Lemoyne (1625-1685), Lord of Longuevil, and his four sons, well-known personalites in French-Canadian history.
Lenaite AgFeS2 NAME ORIGIN: Named after the Lena River.
Lengenbachite Pb6(Ag,Cu)2As4S13 NAME ORIGIN: Named after its locality. LOCALITY: Lengenbach quarry, Binnental, Valais, Switzerland.
Leningradite PbCu++3(VO4)Cl2
Lennilenapeite K6-7(Mg,Mn,Fe++,Fe+++,Zn)48(Si,Al)72(O,OH)216·16(H2O) NAME ORIGIN: Named for the Lenni Lenape Native American tribe, who first inhabited the type locality region. LOCALITY: Franklin, Sussex County, New Jersey, USA.
Lenoblite V2O4·2(H2O) NAME ORIGIN: Named for Andre Lenoble, French mineralogist-geologist.
Leogangite ! Cu10(AsO4)4(SO4)(OH)6·8(H2O) NAME ORIGIN: Named for the locality. LOCALITY: A mine dump of the Danielstollen, in the Schwarzleo valley about 10 km west-southwest of Leogang, Salzburg, Austria.
Leonhardite * (see Laumontite) See Also: GOOGLE, Athena, MinDAT, MinMax
Leonite K2Mg(SO4)2·4(H2O)
Lepersonnite-(Gd) CaGd2(UO2)24(CO3)8(SiO4)4·48(H2O) NAME ORIGIN: Named after Jacques Lepersonne (1909-), honorary head of the Department of Geology and Mineralogy, Musee Royale de l'Afrique Centrale, Brussels, Belgium.
Lepidocrocite FeO(OH) NAME ORIGIN: From the Greek lipis - "scale" and krokis - "fibre."
Lepidolite K(Li,Al)3(Si,Al)4O10(F,OH)2 NAME ORIGIN: From the Greek lepidion - "scale" and lithos - "stone."
Lepidomelane (Fe) * (see Biotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lepkhenelmite-Zn ! Ba2Zn(Ti,Nb)4(Si4O12)2(O,OH)4·7(H2O) NAME ORIGIN: Named after the locality and composition. LOCALITY: Lepkhe-Nelm Mountain, Lovozero alkaline massif, Kola Peninsula, Russia.
Lerbachite * (see Clausthalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lermontovite U++++(PO4)(OH)·(H2O) (?)
Lessingite * (see Britholite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Lessingite-(Ce) * (see Britholite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Lesukite ! Al2(OH)5Cl·2(H2O) NAME ORIGIN: Named after Grigorii Ivanovich Lesuke (1935–1995), technical worker in the Department of Crystallography, University of St. Petersburg, Russia.
Letovicite (NH4)3H(SO4)2 NAME ORIGIN: Named for the locality. LOCALITY: Letovice, Moravia, Czech Republic.
Lettsomite * (see Cyanotrichite) See Also: GOOGLE, Athena, MinDAT, MinMax
Leucite KAlSi2O6 NAME ORIGIN: From the Greek leukos - "white."
Leucophanite (Na,Ca)2BeSi2(O,OH,F)7 NAME ORIGIN: From the Greek leucos, "white" and phanein, " to appear" in allusion to the white color
Leucophoenicite Mn7(SiO4)3(OH)2 NAME ORIGIN: From the Greek leukos, "pale" and foinis, "red purple", in allusion to its color
Leucophosphite KFe+++2(PO4)2(OH)·2(H2O)

Leucophyllite (Starkl 1883) * (see Aluminoceladonite) See Also: GOOGLE, Athena, MinDAT, MinMax

Leucosapphire - colorless * (see Corundum) See Also: GOOGLE, Athena, MinDAT, MinMax

Leucosphenite Na4BaTi2O2[B2Si10O28] NAME ORIGIN: Named in 1901 by Flink from the Greek for white (=leuco) and wedge (=sphen), in allusion to its color and morphology.

Leucoxene-alteration * (see Ilmenite) See Also: GOOGLE, Athena, MinDAT, MinMax

Levinsonite-(Y) ! (Y,Nd,La)Al(SO4)2(C2O4)·12(H2O) NAME ORIGIN: Named for Al A. Levinson of the University of Calgary, who is the originator of the nomenclature system used by REE minerals.

Levyclaudite Pb8Sn7Cu3(Bi,Sb)3S28 NAME ORIGIN: Named for Claude Levy (1924-), French mineralogist.

Levyne * (see Levyne-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax

Levyne-Ca (Ca,Na2,K2)Al2Si4O12·6(H2O) NAME ORIGIN: Named for Armand Levy (1794-1841), French mineralogist and crystallographer, Paris University, France. Ca modifier added by zeolite nomenclature committee.

Levyne-Na ! (Na2,Ca,K2)Al2Si4O12·6(H2O) NAME ORIGIN: Named for Armand Levy (1794-1841), French mineralogist and crystallographer, Paris University, France. The Na-dominant member of the levyne series.

Levynite * (see Levyne-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax

Levynite * (see Levyne-Na) See Also: GOOGLE, Athena, MinDAT, MinMax

Lewisite (Ca,Fe++,Na)2(Sb,Ti)2O7 NAME ORIGIN: Named for Willam James Lewis (1847-1926), Professor of Mineralogy, Cambridge University, Canbridge, England.

Lewisite - Mn deficient * (see Romeite) See Also: GOOGLE, Athena, MinDAT, MinMax

Lewistonite * (see Carbonate-fluorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax

Liandratite U++++++(Nb,Ta)2O8 NAME ORIGIN: Named for Georges Liandrat and his wife, of Samoens, France, who had prospected extensively in Madagascar.

Liberite Li2BeSiO4 NAME ORIGIN: Presumably for LIthium and BERyllium in the composition.

Libethenite Cu2(PO4)(OH) NAME ORIGIN: Named after its locality. LOCALITY: Lubietova (German Livethen), Czechoslovakia.

Liddicoatite ! Ca(Li,Al)3Al6(BO3)3Si6O18(O,OH,F)4 NAME ORIGIN: Named for Richard T. Liddicot (1918-2003), gemologist, who invented the diamond grading system, for his many contributions to the Gemological Institute of America.

Liddicoatite - (61.3.1.2) * (see Liddicoatite) See Also: GOOGLE, Athena, MinDAT, MinMax

Liebauite Ca3Cu5Si9O26

Liebenbergite (Ni,Mg)2SiO4

Liebigite Ca2(UO2)(CO3)3·11(H2O) NAME ORIGIN: Named for Justus van Liebig (1803-1873), German chemist.

Lievrite * (see Ilvaite) See Also: GOOGLE, Athena, MinDAT, MinMax

Light Red Silver Ore * (see Proustite) See Also: GOOGLE, Athena, MinDAT, MinMax

Likasite Cu3(NO3)(OH)5·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Likasi mine, Shaba, Zaire.

Lillianite Pb3Bi2S6 NAME ORIGIN: Named after the Lillian Mining Co. in Colorado.

Lime CaO

Lime Uranite * (see Autunite) See Also: GOOGLE, Athena, MinDAT, MinMax
Limonite * (see Goethite) See Also: GOOGLE, Athena, MinDAT, MinMax
Linarite PbCu(SO4)(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Linares, Spain.
Lindackerite CuCu4(AsO4)2(AsO3OH)2~9(H2O) NAME ORIGIN: Named for Joseph Lindacker, Austrain chemist, who made the analysis.
Lindbergite ! Mn(C2O4)·2(H2O) NAME ORIGIN: Named for Marie Louise Lindburg-Smith (1918-), USGS scientist who described several new species from the mine.
Lindgrenite Cu3(MoO4)2(OH)2 NAME ORIGIN: Named for Waldemar Lindgren (1860-1939), American mining geologist and teacher.
Lindqvistite Pb2(Mn++,Mg)Fe+++16027 NAME ORIGIN: Named for Bengt Lindqvist (1927-), formerly Senior Curator of the Swedish Museum of Natural History, Stockholm, Sweden.
Lindsleyite (Ba,Sr)(Ti,Cr,Fe,Mg)21O38 NAME ORIGIN: Named for Donald H. Lindsley (1934-), mineralogist, Department of Earth Sciences, State University of New York at Stony Brook.
Lindstroemite * (see Lindstromite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lindstromite Pb3Cu3Bi7S15 NAME ORIGIN: Named for Gustav Lindstrom (1838-1916), Swedish mineral chemist of the Swedish Museum of Natrual History, Stockholm, Sweden.
Lingaitukuang * (see Brabantite) See Also: GOOGLE, Athena, MinDAT, MinMax
Linnaeite Co++Co+++2S4 NAME ORIGIN: Named after the Swedish botanist, C. Linne (1707-1778).
Linneite * (see Linnaeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lintisite Na3LiTi2Si4O14·2(H2O)
Liottite (Ca,Na,K)8(Si,Al)12O24[(SO4),(CO3),Cl,OH]4·(H2O) NAME ORIGIN: Named for Luciano Liotti, mineral collector who donated the specimen in which this mineral was first found.
Lipscombite (Fe++,Mn)Fe+++2(PO4)2(OH)2
Liroconite Cu2Al(AsO4)(OH)4·4(H2O) NAME ORIGIN: From the Greek, liros - "pale" and konia - "powder."
Lisetite Na2CaAl4Si4O16
Lishizhenite ZnFe+++2(SO4)4·14(H2O)
Lisitsynite ! KBSi2O6 NAME ORIGIN: Named for Apollon E. Lisitsyn (1928-1999), Russian specialist in B deposits.
Liskeardite (Al,Fe+++)3(AsO4)(OH)6·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Liskeard, Cornwall, England.
Litharge PbO NAME ORIGIN: Named in 1917 from a Greek word given by Diocorides to a material obtained in the process of separating lead from silver by pyrometallurgy.
Lithidionite * (see Litidionite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lithiomarsturite LiCa2Mn2HSi5O15
Lithionite * (see Zinnwaldite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lithiophilite LiMnPO4 NAME ORIGIN: Named from the composition, Lithium, and from the Greek for "friend".
Lithiophorite (Al,Li)Mn++++O2(OH)2 NAME ORIGIN: Named for the content of LITHium and the Greek for "to bear".
Lithiophosphate Li3PO4

Lithiotantite Li(Ta,Nb)3O8 NAME ORIGIN: Named for LITHium and TANTalum in the composition.
Lithiowodginite LiTa3O8 NAME ORIGIN: Named for the dominant LITHium content and the relationship to wodginite.
Lithium Mica * (see Lepidolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lithosite K6Al4Si8O25·(H2O) NAME ORIGIN: Named from the Greek "lithos", stone, because it contains the most abundant components of the Earth's crust.
Litidionite KNaCuSi4O10
Litvinskite ! Na2([ ],Na,Mn)Zr[Si6O12(OH,O)6] NAME ORIGIN: Named for Galina P. Litvinskaya (1920-1994), former crystallographer of the Moscow State University.
Liveingite Pb9As13S28 NAME ORIGIN: Named for Geroge D. Liveing (1827-1924), Professor of Chemistry, Cambridge University, Cambridge, England.
Livingstonite HgSb4S8 NAME ORIGIN: Named after the Scottish explorer and missionary, David Livingstone (1813-1873).
Lizardite Mg3Si2O5(OH)4
Lodestone * (see Magnetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Loellingite * (see Lollingite) See Also: GOOGLE, Athena, MinDAT, MinMax
Loeweite * (see Loweite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lokkaite-(Y) CaY4(CO3)7·9(H2O) NAME ORIGIN: Named after Lauri Lokka (1875-1966), mineralogist and chief chemist, Geological Survey of Finland.
Lollingite FeAs2 NAME ORIGIN: Named after its locality. LOCALITY: Lölling, Hüttenberg, Carinthia, Austria
Lomonite * (see Laumontite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lomonosovite Na5Ti2O2(Si2O7)(PO4) NAME ORIGIN: Named for Mikhail V. Lomonosov (1711-1765), Russian mineralogist and naturalist.
Londonite ! CsAl4Be4(B,Be)12O28 NAME ORIGIN: Named for David London (1953-), petrologist at the University of Oklahoma, Oklahoma, USA.
Lonecreekite (NH4)(Fe+++,Al)(SO4)2·12(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Lone Creek Fall cave, near Sabie, eastern Transvaal, South Africa.
Lonsdaleite C NAME ORIGIN: Named for Kathleen Lonsdale (1903-1971), English crystallographer.
Loparite-(Ce) (Ce,Na,Ca)2(Ti,Nb)2O6 NAME ORIGIN: From the Russian name for the Lapps, "Lopar", inhabitants of the Kola Peninsula, Russia.
Lopezite K2Cr2O7
Lorandite TlAsS2 NAME ORIGIN: Named for Eotovos Laorand (1848-1919), physicist of Budapest, Hungary.
Loranskite-(Y) (Y,Ce,Ca)ZrTaO6 (?) NAME ORIGIN: Named for Apollonie Mikhailovich Loranski (1847-1917), inspector and teacher of the Mining Institute, St. Petersburg, Russia.
Lorenzenite Na2Ti2Si2O9 NAME ORIGIN: Named for Johannes Theodor Lorenzen (1855-1884), Danish mineralogist and student of Greenland minerals.
Lorettoite ? Pb7O6Cl2 NAME ORIGIN: Named in 1916 for its original locality. LOCALITY: Loretto, Tennessee, USA. Laurium, Greece. Chubut, Argentina.
Lorettoite * (see Chubutite) See Also: GOOGLE, Athena, MinDAT, MinMax
Loseyite (Mn,Zn)7(CO3)2(OH)10
Lotharmeyerite CaZnMn+++(AsO3OH)4(OH)3 NAME ORIGIN: Named for

Julius Lothar Meyer (1830-1895), German chemist who developed concepts for the periodic table.

Louderbackite * (see Romerite) See Also: GOOGLE, Athena, MinDAT, MinMax

Loudounite NaCa5Zr4Si16O40(OH)11·8(H2O) NAME ORIGIN: After the locality. LOCALITY: Goose Creek Quarry, Loudoun Co., Virginia, USA.

Loughlinite Na2Mg3Si6O16·8(H2O) NAME ORIGIN: Named for Gerald Francis Loughlin (1880-1946), chief geologist, U. S. Geological Survey.

Lourenswalsite (K,Ba)2(Ti,Mg,Ca,Fe)4(Si,Al,Fe)6O14(OH)12 NAME ORIGIN: Named for Lourens Wals (1939-), a leading Belgian mineral collector.

Lovdarite K2Na6Be4Si14O36·9(H2O)

Loveringite (Ca,Ce)(Ti,Fe+++,Cr,Mg)21O38 NAME ORIGIN: Named for John Francis Lovering (1930-), Australian geochemist, University of Melbourne, Melbourne, Australina, for his work on fission-track methods in geochemistry.

Lovozerite H4Na2Ca(Zr,Ti)[Si6O18] NAME ORIGIN: Named for the locality. LOCALITY: Lovozero massif, Kola Peninsula, Russia.

Loweite Na12Mg7(SO4)13·15(H2O)

Luanheite Ag3Hg NAME ORIGIN: Named for the locality. LOCALITY: Luanhe River, Chengde Co.,Hebei Province, China.

Luberoite Pt5Se4 NAME ORIGIN: Named in 1992 for the locality. LOCALITY: Lubero region, Kivu Prov., Zaire.

Lucasite-(Ce) CeTi2(O,OH)6 NAME ORIGIN: Named for Hans Lucas, CRA Exploration Pty., Ltd,. Who noted the mineral in concentrates.

Lucinite * (see Variscite) See Also: GOOGLE, Athena, MinDAT, MinMax

Luddenite Pb2Cu2Si5O14·14(H2O) NAME ORIGIN: Named for Raymond W. Ludden, chief geologist, Phelps-Dodge Corporation.

Ludjibaite Cu5(PO4)2(OH)4

Ludlamite (Fe++,Mg,Mn)3(PO4)2·4(H2O) NAME ORIGIN: Named for Henry Ludlam (1824-1880), English mineralogist and collector.

Ludlockite (Fe++,Pb)As+++++2O6 NAME ORIGIN: Named for F. Ludlow Smith III and C. Locke Key, mineral collectors and dealers in New Jersy.

Ludlockite * (see Ludlockite-(Pb)) See Also: GOOGLE, Athena, MinDAT, MinMax

Ludlockite-(Pb) * PbFe+++4As+++10O22 NAME ORIGIN: Named for mineral dealers Ludlow Smith and Locke Key, who discovered the mineral.

Ludlockite-Pb * (see Ludlockite) See Also: GOOGLE, Athena, MinDAT, MinMax

Ludwigite Mg2Fe+++BO5 NAME ORIGIN: Named after the Austrian chemist, Ernst Ludwig (1842-1915).

Lueneburgite * (see Luneburgite) See Also: GOOGLE, Athena, MinDAT, MinMax

Lueshite NaNbO3 NAME ORIGIN: Named for the locality. LOCALITY: Lueshe, Goma, Congo, Zaire.

Luetheite Cu2Al2(AsO4)2(OH)4·(H2O)

Lukechangite-(Ce) ! Na3Ce2(CO3)4F NAME ORIGIN: For Prof. Luke L. Y. Chang (1934-) University of Maryland, for his contributions to the study of carbonate group minerals.

Lukrahnite ! Ca(Cu,Zn)(Fe,Zn)(AsO4)2(OH,H2O)2 NAME ORIGIN: Named for Ludger Krahn (1957-), Geologischer Dienst Nordrhein-Westfalen, geologist who provided the initial specimen for study.

Lulzacite ! Sr2Fe++(Fe++,Mg)2Al4(PO4)4(OH)10 NAME ORIGIN: Named for mining geologist Y. Lulzac (1934-) of the BRGM who discovered the mineral.

Lun'okite * (see Lunokite) See Also: GOOGLE, Athena, MinDAT, MinMax

Luneburgite Mg3B2(PO4)2(OH)6·5(H2O)
Lunijianlaite LiAl6(Si7Al)O20(OH)10 NAME ORIGIN: Named for "chlorite alternating with pyrophyllite".
Lunnite * (see Pseudomalachite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lunokite (Mn,Ca)(Mg,Fe++,Mn)Al(PO4)2(OH)·4(H2O) NAME ORIGIN: Named for the Lun'ok River, nearby Mt. Vasin-Myl'k, Russia.
Lusungite ? (Sr,Pb)Fe+++3(PO4)2(OH)5·(H2O) NAME ORIGIN: Named in 1958 for the Lusungu River, Zaire.
Lusungite * (see Benauite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lusungite * (see Goyazite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lutecine * (see Lutecite) See Also: GOOGLE, Athena, MinDAT, MinMax
Lutecite * SiO2 NAME ORIGIN: Named in 1892.
Luzonite Cu3AsS4 NAME ORIGIN: Named after the locality LOCALITY: Mancayan, Luzon Island, Phillippines.
Lyonsite Cu++3Fe+++4(VO4)6 NAME ORIGIN: Named for John Bartholomew Lyones)1915-), Professor of Mineralogy, dartmouth College, Hanover, New Hampshire, USA.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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M Index of Mineral Species

This alphabetical listing of **M minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Macaulayite ▲ $(Fe^{+++},Al)_{24}Si_4O_{43}(OH)_2$ NAME ORIGIN: Named for the Macaulay Institute for Soil Research.

Macdonaldite ▲ $BaCa_4[Si_{16}O_{36}(OH)_2]\cdot 10(H_2O)$ NAME ORIGIN: Named for Grodon Andrew Macdonald (1911-1978), American volcanologist, University of Hawaii.

Macedonite ▲ $PbTiO_3$ NAME ORIGIN: Named for the locality. LOCALITY: Crni Kamen, near Prilep, Macedonia.

Macfallite ▲ $Ca_2(Mn^{+++},Al)_3(SiO_4)(Si_2O_7)(OH)_3$ NAME ORIGIN: Named for Russell P. MacFall, a dedicated amateur mineralogist.

Machatschkiite ▲ $Ca_6(AsO_4)(AsO_3OH)_3(PO_4,SO_4)\cdot 15(H_2O)$ NAME ORIGIN: Named for Felix Karl Ludwig Machatschki (1895-1970), Professor of Mineralogy, University of Vienna, Austria.

Mackayite + ▲ $Fe^{+++}Te_2O_5(OH)$ NAME ORIGIN: Named for John William Mackay (1831-1902), mine operator, Comstock Lode, and benefactor of the

Mackay School of Mines, University of Nevada.
Mackinawite (Fe,Ni)S0.9 NAME ORIGIN: Named for the locality. LOCALITY: Mackinaw mine, Snohomish County, Washington, USA.
Mackintoshite * (see Thorogummite) See Also: GOOGLE, Athena, MinDAT, MinMax
Macphersonite Pb4(SO4)(CO3)2(OH)2 NAME ORIGIN: Named after Harry Gordon Macpherson (1925-), mineralogist at the Royal Scottish Museum, Edinburgh, Scotland.
Macquartite Pb3Cu(CrO4)(SiO3)(OH)4·2(H2O) NAME ORIGIN: Named for Louis Charles Henri Macquart (1745-1803), French chemist who brought to France from Russia the samples of crocoite in which the element chromium was discovered.
Madocite Pb17(Sb,As)16S41 NAME ORIGIN: Named for the locality. LOCALITY: Madoc, Ontario, Canada.
Maekinenite * (see Makinenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magadiite NaSi7O13(OH)3·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Lake Magadi, Olduvai Gorge, Kenya.
Magbasite KBa(Al,Sc)(Mg,Fe++)6Si6O20F2 NAME ORIGIN: Named after its composition of Mg, Ba, and Si.
Maghagendorfite NaMgMn(Fe++,Fe+++)2(PO4)3 NAME ORIGIN: Named as MAGnesium hagendorfite.
Maghemite gamma-Fe+++2O3 NAME ORIGIN: From MAGnetite and HEMatite, in allusion to the mineral's magnetism and composition.
Magnesia Alum * (see Pickeringite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesio-aluminokatophorite * (see Magnesiokatophorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesio-arfvedsonite NaNa2(Mg4Fe++)Si8O22(OH)2
Magnesio-axinite Ca2MgAl2BO3Si4O12(OH) NAME ORIGIN: From the Greek acine - "axe" in allusion to the acute shape of typical crystals and the Greek, "Magnesia" a district in Thessaly in reference to the Mg in the chemical formula.
Magnesioaluminotaramite * (see Magnesiotaramite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesioanthophyllite ? (Mg,Fe++)7Si8O22(OH)2 NAME ORIGIN: From its compostition and from the Latin anthophyllum - "clove" in allusion to the color.
Magnesioaubertite (Mg,Cu)Al(SO4)2Cl·14(H2O)
Magnesiocarpholite MgAl2Si2O6(OH)4 NAME ORIGIN: Named as the Mg-dominant member of the carpholite series.
Magnesiochloritoid MgAl2SiO5(OH)2
Magnesiochromite MgCr2O4
Magnesioclinoholmquistite ? Li2(Mg,Fe++)3Al2Si8O22(OH)2 NAME ORIGIN: Named for its composition, monoclinic crystal structure, and relationship with holmsquisite. Discredited as clinoholmquistite (1997). Clinohomsquisite discredited (2005).
Magnesiocolumbite (Mg,Fe++,Mn)(Nb,Ta)2O6 NAME ORIGIN: Named for the dominent MAGNESIum and its relationship to ferrocolumbite (formerly columbite).
Magnesiocopiapite MgFe+++4(SO4)6(OH)2·20(H2O)
Magnesiocoulsonite MgV+++2O4 NAME ORIGIN: Named for its relationship to coulsonite.

Magnesiocummingtonite ▲ (Mg,Fe++)7Si8O22(OH)2
Magnesiodumortierite ▲ (Mg,Ti,[ ])<1(Al,Mg)2Al4Si3O18-y(OH)yB y=2-3 NAME ORIGIN: For its containing magnesium and the relationship to dumortierite.
Magnesioferrikatophorite ▲ Na2Ca(Mg,Fe++)4Fe+++Si7AlO22(OH)2 NAME ORIGIN: Named for its composition and from the Greek for "carrying down", in allusion to its volcanic origin.
Magnesioferritaramite * (see Ferri-magnesiotaramite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesioferrite ▲ MgFe+++2O4 NAME ORIGIN: Named after its chemical composition of magnesium and ferric iron.
Magnesiofoitite ! ▲ [ ](Mg2Al)Al6(Si6O18)(BO3)3(OH)4 NAME ORIGIN: The name recalls its composition and relationship to foitite.
Magnesiogedrite ? ▲ (Mg,Fe++)5Al2Si6Al2O22(OH)2 NAME ORIGIN: Named for its composition and the original gederite location at Heas Valley, Gedres, France. IMA amphibole commission recommends abandoning this species name.
Magnesiohastingsite ▲ NaCa2(Mg4Fe+++)Si6Al2O22(OH)2
Magnesiohogbomite-2N2S ▲ (Al,Fe++,Fe+++,Mg,Ti,Zn)11O15(OH) NAME ORIGIN: Named for Arvid Gustaf Hogbom (1857-1940), Swedish geologist, University of Upplala and the crystal structure. (S=Spinel, N=Nolanite Layers).
Magnesiohogbomite-2N3S ▲ (Mg,Fe++)1.4Ti0.3Al4O8 NAME ORIGIN: Named for Arvid Gustaf Hogbom (1857-1940), Swedish geologist, University of Upplala and the crystal structure. (S=Spinel, N=Nolanite Layers).
Magnesiohogbomite-6N6S ▲ (Mg,Fe++)1.4Ti0.3Al4O8 NAME ORIGIN: Named for Arvid Gustaf Hogbom (1857-1940), Swedish geologist, University of Upplala and the crystal structure. (S=Spinel, N=Nolanite Layers).
Magnesioholmquistite ▲ Li2(Mg,Fe++)3Al2Si8O22(OH)2 NAME ORIGIN: The name reflects its composition and relationship to holmquistite..
Magnesiohornblende ▲ Ca2[Mg4(Al,Fe+++)]Si7AlO22(OH)2 NAME ORIGIN: Named for the composition and its relationship to hornblende.
Magnesiohulsite ▲ (Mg,Fe++)2(Mg,Fe+++,Sn++++)O2(BO3) NAME ORIGIN: Named for the composition and for Alfred Hulse Brooks (1871-1924), U. S. Geologist.
Magnesiokatophorite ▲ Na(CaNa)Mg4AlSi7AlO22(OH)2 NAME ORIGIN: Named for its composition and from the Greek for "carrying down", in allusion to its volcanic origin.
Magnesioludwighite * (see Ludwigite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesionigerite-2N1S ▲ (Mg,Zn,Fe+++,Al)4(Sn,Fe+++)2Al10O22(OH)2 NAME ORIGIN: Named as the MAGNESIum analog of Ferronigerite. (S=Spinel, N=Nolanite Layers).
Magnesionigerite-6N6S ! ▲ (Mg,Zn,Fe+++,Al)4(Sn,Fe+++)2Al10O22(OH)2 NAME ORIGIN: Named as the MAGNESIum analog of Ferronigerite. (S=Spinel, N=Nolanite Layers).
Magnesioriebeckite ▲ [ ]Na2(Mg3Fe++2)Si8O22(OH)2 NAME ORIGIN: Named for the composition and relatinship to riebeckite.
Magnesiosadanagaite ! ▲ NaCa2[Mg3(Al,Fe+++)2]Si5AlO22(OH)2 NAME ORIGIN: Named as a low-K analog of potassic-magnesiosadanagaite (renamed from original magnesiosadanagaite-IMA1982-102).
Magnesiosadanagaite - 1982 * (see Potassic-magnesiosadanagaite) See Also:

GOOGLE, Athena, MinDAT, MinMax
Magnesiostaurolite ! ▲ [ ]4Mg4Al16(Al,[ ])2Si8O40[O6,(OH)2] NAME ORIGIN: Named as the magnesium-dominant analog of staurolite.
Magnesiotaaffeite-2N2S ▲ Mg3Al8BeO16 NAME ORIGIN: Named for Count R.Taaffe of Dublin, Ireland, who discovered the mineral in 1945. (S=Spinel, N=Nolanite Layers).
Magnesiotaaffeite-6N3S ! ▲ (Mg,Fe++,Zn)2Al6BeO12 NAME ORIGIN: Named for Count R.Taaffe of Dublin, Ireland, who discovered the mineral in 1945. (S=Spinel, N=Nolanite Layers).
Magnesiotantalite ! ▲ (Mg,Fe)(Ta,Nb)2O6 NAME ORIGIN: Named as the magnesium-dominant member of the tantalite series.
Magnesiotaramite ▲ Na(CaNa)Mg3ALFe+++[Si6Al2O22](OH)2 NAME ORIGIN: Named after the chemical composition and the locality. LOCALITY: Wali-tarama, Mariupol, Ukraine.
Magnesite ✚▲ MgCO3 NAME ORIGIN: Named after its chemical composition.
Magnesium Mica * (see Phlogopite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesium Oxalate * (see Glushinskite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesium Sulphate * (see Hexahydrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesium Talc * (see Talc) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnesium-chlorophoenicite ▲ (Mg,Mn)3Zn2(AsO4)(OH,O)6
Magnesium-zippeite ▲ Mg(H2O)3.5(UO2)2(SO4)O2 NAME ORIGIN: Named for its composition and for Franz Xaver Maxmillian Zippe (1791-1863), Austrian mineralogist.
Magnesiumastrophyllite ▲ K2Na[Na(Fe++,Fe+++,Mn)Mg2]Ti2Si8O26(OH)4F NAME ORIGIN: Named for the magnesium content and relationship to astrophyllite.
Magnetic iron ore * (see Magnetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnetic pyrites * (see Pyrrhotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnetite ✚▲ Fe++Fe+++2O4 NAME ORIGIN: Named for Magnes, a Geek shepherd, who discovered the mineral on Mt, Ida, He noted that the nails of his shoe and the iron ferrule of his staff clung to a rock.
Magnetoplumbite ▲ Pb(Fe+++,Mn+++)12O19 NAME ORIGIN: Named for being a MAGNETic oxide of iron, manganese, and lead, "plumbum."
Magniotriplite ? ▲ (Mg,Fe++,Mn)2(PO4)F NAME ORIGIN: Named in 1951 for its relationship to triplite. Magniotriplite discredited 2003
Magniotriplite * (see Wagnerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnocolumbite * (see Magnesiocolumbite) See Also: GOOGLE, Athena, MinDAT, MinMax
Magnolite ▲ Hg+2Te++++O3
Magnussonite ▲ Mn++5As+++3O9(OH,Cl)
Mahlmoodite * (see Malhmoodite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mahnertite ! ▲ (Na,Ca)Cu++3(AsO4)2Cl·5(H2O) NAME ORIGIN: Named after Volker Mahnert (b. 1943), zoologist, director of the Muséum d'Histoire Naturelle, Geneva, Switzerland.
Maikainite ! ▲ Cu20(Fe,Cu)6Mo2Ge6S32 NAME ORIGIN: Named for the locality. LOCALITY: Maikain deposit, Kazakhstan and (2) Tsumeb deposit, Namibia.
Majakite ▲ PdNiAs NAME ORIGIN: Named for the locality. LOCALITY: Najak mine, Talnakh, Norilsk, Russia.
Majorite ✚▲ Mg3(Fe,Al,Si)2(SiO4)3

Makarochkinite * (see Hogtuvaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Makatite Na2Si4O8(OH)2·4(H2O) NAME ORIGIN: Named from the Masai "emakat," soda, in allusion to the high sodium content.
Makinenite NiSe NAME ORIGIN: Named for Eero Makinen, Finnish geologist, adn former President of the Outokumpa Company.
Makovickyite Ag1.5Bi5.5S9 NAME ORIGIN: For Dr. Emil Makovicky, Slovak and Danish mineralogist, University of Copenhagen.
Malachite Cu2(CO3)(OH)2 NAME ORIGIN: From the Greek, malache, - "mallow" in reference to green leaf color.
Malacon * (see Zircon) See Also: GOOGLE, Athena, MinDAT, MinMax
Malanite Cu(Pt,Ir)2S4 NAME ORIGIN: Named for the locality. LOCALITY: Malan valley, Zunhua, Hebei Province, China.
Malayaite CaSnSiO5 = CaSnOSiO4 NAME ORIGIN: Named for the locality LOCALITY: Sunsei Lah, Chenderiang, Perak, Malaysia.
Maldonite Au2Bi NAME ORIGIN: Named for the locality. LOCALITY: Nugget reef, near Maldon, Victoria, Australia.
Maleevite ! BaB2Si2O8 NAME ORIGIN: Named for Mihail Naidenovitch Maleev (1940-), Bulgarian mineralogist and expert in mineral systematics.
Malhmoodite FeZr(PO4)2·4(H2O) NAME ORIGIN: Named after Bertha K. Malhmood, long-time secretary and administrative assistant of the Branch of Analytical Laboratories, US Geological Survey.
Malinkoite ! NaBSiO4 NAME ORIGIN: Named for Svetlana V. Malinko(1927-), Russian mineralogist who specializes in B minerals.
Malladrite Na2SiF6 NAME ORIGIN: Named for Alessandro Malladra (1865-1945), Italian volcanologist, director of the Vesuvius Observatory.
Mallardite Mn++SO4·7(H2O)
Mallestigite ! Pb3Sb+++++(SO4)(AsO4)(OH)6·3(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Dump of a Cu-Pp-Zn mine 1 km NW of Mallestiger Mittagskogel, Finkenstein, Villach, Kärnten, Austria
Mammothite Pb6Cu4AlSb+++++O2(SO4)2Cl4(OH)16 NAME ORIGIN: Named for the locality. LOCALITY: Mammoth vein, Tiger, Arizona, USA and from Laurium, Attika, Greece.
Manaksite KNaMn++Si4O10
Manandonite Li2Al4[(Si2AlB)O10](OH)8 NAME ORIGIN: Named after its locality. LOCALITY: Antandrokomby, near Mt. Bity on the Manandona River, Madagascar.
Manasseite Mg6Al2(CO3)(OH)16·4(H2O) NAME ORIGIN: Named for Ernesto Manasse (1875-1922), mineralogist of Florence, Italy.
Mandarinoite Fe+++2Se3O9·6(H2O) NAME ORIGIN: Named for Joseph A. Mandarino of the Royal Ontario Museum in recognition of his work on selenites.
Mangan-neptunite KNa2Li(Mn,Fe++)2Ti2Si8O24 NAME ORIGIN: Named for the composition and relationship to neptunite.
Manganarsite Mn++3As+++2O4(OH)4 NAME ORIGIN: Named after the composition (Manganese, Arsenic).
Manganaxinite Ca2Mn++Al2BO3Si4O12(OH) NAME ORIGIN: From the Greek acine - "axe" in allusion to the acute shape of typical crystals and the from the Latin magnes = "magnet" in reference to Mn in the chemical formula.
Manganbabingtonite Ca2(Mn,Fe++)Fe+++Si5O14(OH) NAME ORIGIN: Named for the manganese content and relation to babingtonite.

Manganbelyankinite (Mn,Ca)(Ti,Nb)5O12·9(H2O) NAME ORIGIN: Presumably for its MANGANese content and relationship to belyankinite.
Manganberzeliite (Ca,Na)3(Mn,Mg)2(AsO4)3
Manganblende * (see Alabandite) See Also: GOOGLE, Athena, MinDAT, MinMax
Manganese spar * (see Rhodochrosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Manganese-hornesite (Mn,Mg)3(AsO4)2·8(H2O)
Manganese-shadlunite (Mn,Pb)(Cu,Fe)8S8 NAME ORIGIN: Named for Tatyana Shadlun, Russian ore mineralogist.
Mangangordonite (Mn++,Fe++,Mg)Al2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named as the manganese analog of gordonite.
Manganhornesite * (see Manganese-hornesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Manganhumite (Mn,Mg)7(SiO4)3(OH)2
Manganidocrase * (see Manganvesuvianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Manganite MnO(OH) NAME ORIGIN: Named after its chemical composition.
Manganlotharmeyerite ! Ca(Mn+++,Mg,)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named as the Mn-dominant lotharmeyerite.
Manganocalcite - variety * (see Calcite) See Also: GOOGLE, Athena, MinDAT, MinMax
Manganochromite (Mn,Fe++)(Cr,V)2O4 NAME ORIGIN: Named for its MANGANese in the composition and relationship to magnesiochromite.
Manganocolumbite (Mn,Fe++)(Nb,Ta)2O6 NAME ORIGIN: Named for the MANGANese content and the relationship to columbite (ferrocolumbite).
Manganocummingtonite Na(Na,Mn)2(Mg4,Fe+++)5Si8O22(OH)2 NAME ORIGIN: Renamed IMA 2003, Formerly Tirodite (1938). Named after its locality. LOCALITY: Tirodi, Madhya Pradesh, India.
Manganogrunerite [ ]Mn2Fe++5Si8O22(OH) NAME ORIGIN: Renamed IMA 1997 as the Mn analog of grunerite, Formerly dannemorite (1855) which was named after its locality. LOCALITY: Dannemora, Uppsala, Sweden.
Manganokhomyakovite ! Na12Sr3Ca6Mn3Zr3W(Si25O73)(O,OH,H2O)3(OH,Cl)2 NAME ORIGIN: The name reflects the composition and similarity to khomyakovite.
Manganokukisvumite ! Na6MnTi4Si8O28·4(H2O) NAME ORIGIN: Named as the manganese-dominant analogue of kukisvumite.
Manganolangbeinite K2Mn2(SO4)3
Manganonaujakasite ! Na6(Mn,Fe++)Al4Si8O26 NAME ORIGIN: Named as the manganese analog of naujakasite.
Manganonordite-(Ce) ! Na3SrCeMn++Si6O17 NAME ORIGIN: Named as the Mn++ dominant analogue of nordite-(Ce). Nordite series is named after the word for north because of its northern origin in the Lovozero Massif.
Manganophyllite (Mn) * (see Biotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Manganosegelerite (Mn,Ca)(Mn,Fe++,Mg)Fe+++(PO4)2(OH)·4(H2O) NAME ORIGIN: Named as the manganese analog of segelerite.
Manganosite MnO NAME ORIGIN: Named as an oxide of manganese.
Manganostibite (Mn++,Fe++)7(SbO4)(AsO4,SiO4)O4
Manganotantalite MnTa2O6 NAME ORIGIN: Named after its chemical composition containing manganese and tantalum.
Manganotapiolite (Mn++,Fe++)(Ta,Nb)2O6 NAME ORIGIN: Named for the MANGANese content and relationship to ferroTAPIOLITE.
Manganotychite Na6(Mn++,Fe++,Mg)2(SO4)(CO3)4

Manganpyrosmalite (Mn,Fe++)8Si6O15(OH,Cl)10 NAME ORIGIN: Manganese end member of pyrosmalite.
Manganvesuvianite ! Ca19Mn+++ (Al,Mn+++,Fe+++)10(Mg,Mn++)2Si18O69(OH)9 NAME ORIGIN: Named for the relationship to vesuvianite (idocrase) and Mn.
Manjiroite (Na,K)(Mn++++,Mn++)8O16·n(H2O) NAME ORIGIN: Named for Manjiro Watanabe (1891-?), Emeritus Professor of Mineralogy, Tohoku University, Sendai, Japan.
Mannardite BaTi6V+++2O16·(H2O) NAME ORIGIN: Named for George William Mannard (1932-1982), formerly President of Kidd Creek Mines, Ltd., Toronto, Canada.
Mansfieldite AlAsO4·2(H2O) NAME ORIGIN: Named for George Rogers Mansfield (1875-1947), geologist, U. S. Geological Survey.
Mantienneite KMg2Al2Ti(PO4)4(OH)3·15(H2O)
Mapimite Zn2Fe+++3(AsO4)3(OH)4·10(H2O)
Marcasite FeS2 NAME ORIGIN: Arabic or Moorish name for pyrites and similar material of uncertain origin.
Marecottite ! Mg3(H2O)18[(UO2)4O3(SO4)2]2·10(H2O) NAME ORIGIN: Named for the locality. LOCALITY: La Creusaz U-prospect near Les Marecottes, Western Swiss Alps, Switzerland.
Margaritasite (Cs,K,H3O)2(UO2)2V2O8·(H2O)
Margarite CaAl2(Al2Si2)O10(OH)2 NAME ORIGIN: From the Greek margaritos - "pearl."
Margarosanite Pb(Ca,Mn++)2Si3O9
Marialite Na4Al3Si9O24Cl NAME ORIGIN: Named by von Rath in honor of his wife, Maria Rosa vom Rath (1830-1888).
Maricite NaFe++PO4
Maricopaite Pb7Ca2(Si,Al)48O100·32(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Moon Anchor mine, near Tonopah, Maricopa County, Arizona, USA.
Marignacite * (see Ceriopyrochlore-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Marinellite ! [(Na,K)42Ca6](Si36Al36O144)(SO4)8Cl2·6(H2O) NAME ORIGIN: Named for Giorgio Marinelli (1922-1993), Professor, Department of Earth Sciences, University of Pisa, specialist in magma genesis and tectonic settings.
Marionite * (see Hydrozincite) See Also: GOOGLE, Athena, MinDAT, MinMax
Marokite CaMn+++2O4 NAME ORIGIN: Named for the locality. LOCALITY: Tachgagalt, Ouarzazate, Morocco. Morocco in French "Maroc".
Marrite PbAgAsS3 NAME ORIGIN: Named for John Edward Marr (1857-1933), geologist of Canbridge, England.
Marshite CuI NAME ORIGIN: Named for C. W. Marsh, Autralian mineral collector who first described the mineral.
Marsturite NaCaMn3[Si5O14(OH)] NAME ORIGIN: Named for Marion Stuart of Bellvue, Idaho, who has been a staunch supporter of the preservation of natural history specimens, particularly those of geological interest.
Marthozite Cu[(UO2)3(SeO3)2O2]·8(H2O) NAME ORIGIN: Named for Aime Marthoz (1864-1962), French mineralogist and inspector General, Bureau de Recherches Geolgiques et Miniere.
Martinite ! (Na,Ca)11Ca4(Si,S,B)14B2O40F2·4(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

Martite * (see Hematite) See Also: GOOGLE, Athena, MinDAT, MinMax
Martourite * (see Berthierite) See Also: GOOGLE, Athena, MinDAT, MinMax
Marumoite ! Pb32As40S92 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Mascagnite (NH4)2SO4 NAME ORIGIN: Named for Paolo Mascagni (1752-1815), Italian anatomist, University of Siena who first described the natural salt.
Maslovite PtBiTe NAME ORIGIN: Named for G. D. Maslov (1915-1968).
Massicot PbO NAME ORIGIN: French name for lead oxide.
Masutomilite K(Li,Al,Mn++)3[(Si,Al)4O10](F,OH)2 NAME ORIGIN: Named for Kazunosuke Masutomi, Japanese pharmacist and prominent amateur mineralogist and mineral collector.
Masuyite Pb[(UO2)3O3(OH)2]·3(H2O) NAME ORIGIN: Named for Gustave Masuy (1905-1945), Belgian geologist, shot by the German occupiers at the end of World War II.
Mathewrogersite Pb7(Fe,Cu)Al3GeSi12O36·(OH,H2O)6 NAME ORIGIN: Named to honor Mathew Rogers, first European prospector at Tsumeb, Namibia.
Mathiasite (K,Ca,Sr)(Ti,Cr,Fe,Mg)21O38 NAME ORIGIN: Named for Frances Celia Morna Mathias (1913-), British-South African geochemist, University of Capetown, South Africa.
Matildite AgBiS2 NAME ORIGIN: Named after its locality LOCALITY: Matilda mine, near Moroccha, Provinence Junin, Peru.
Matlockite PbFCl NAME ORIGIN: Named from its locality. LOCALITY: Cromford, near Matlock, Derbyshire. Ancient lead slags at Laurium, Greece.
Matraite ZnS NAME ORIGIN: Name for the locality. LOCALITY: Gyöngyösoroszi, Mátra Mountains locality, Heves Co., Hungary.
Matsubaraite ! Sr4TiTi4Si4O22 NAME ORIGIN: Named after Satoshi Matsubara, specialist for strontium minerals in the National Science Museum, Tokyo, Japan.
Mattagamite CoTe2 NAME ORIGIN: Named for the locality. LOCALITY: Mattagami Lake mines, Mattagami, Galinee Township, Abitibi Co., Québec, Canada.
Matteuccite NaHSO4·(H2O)
Mattheddleite Pb20(SiO4)7(SO4)4Cl4 NAME ORIGIN: Named for Matthew Forster Heddle (1828-1897), Scottish mineralogist.
Matulaite CaAl18(PO4)12(OH)20·28(H2O)
Matveevite ? KTiMn2Fe+++2(PO4)4(OH)3·15(H2O) NAME ORIGIN: Named in 1986 for K. K. Matveev (1875-1954).
Maucherite Ni11As8 NAME ORIGIN: Named for William Maucher (1879-1930), mineral dealer of Munich, Germany.
Maufite (Mg,Ni)Al4Si3O13·4(H2O) (?) NAME ORIGIN: Named for Herbert Brantwood Maufe (1879-1976), director of the Geological Service of Rhodesia
Mawbyite Pb(Fe+++Zn)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named for Sir Maurice Alan Edgar Mawby (1904-1977), for his contribution to the Australian mining industry.
Mawsonite Cu+6Fe+++2Sn++++S8 NAME ORIGIN: Named for Douglas Mawson (1882-1958), Australian geologist and Antarctic explorer.
Maxwellite NaFe+++(AsO4)F NAME ORIGIN: Named for Charles Henry Maxwell (1923-), U. S. Geological Survey.

Mayakite * (see Majakite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mayenite Ca12Al14O33
Mayingite IrBiTe NAME ORIGIN: Named after its locality. LOCALITY: Near the village of Maying, about 230 km NNE of Beijing, People's Republic of China.
Mazzettiite ! Ag3HgPbSbTe5 NAME ORIGIN: Named for Giuseppe Mazzetti (1942–2003), curator in chief of the Mineralogy Section of the Museo di Storia Naturale, Università di Firenze.
Mazzite K2CaMg2(Al,Si)36O72·28(H2O) NAME ORIGIN: Named for Prof. Fiorenzo Mazzi, mineralogist, University of Pavia, Pavia, Italy.
Mazzite-Na ! Na8Al8Si28O72·30(H2O) NAME ORIGIN: Named as the Na-dominat analogue of mazzite(-K).
Mbobomkulite (Ni,Cu)Al4(NO3,SO4)2(OH)12·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Mbobo Mkulu cave, Nelspruit district, South Africa.
Mcallisterite Mg2B12O14(OH)12·9(H2O)
Mcalpineite Cu++3Te++++++O6·(H2O) NAME ORIGIN: For the mine at the type locality. LOCALITY: McAlpine mine, Tuolumne County, California, USA.
Mcauslanite HFe++3Al2(PO4)4F·18(H2O) NAME ORIGIN: Named for David A. McAuslan, exploration manager, Shell Canada Resources LTD., who discovered the locality. LOCALITY: East Kemptville tin mine, Yarmouth County, NS, Canada.
Mcbirneyite Cu3(VO4)2
Mcconnellite CuCrO2
Mccrillisite NaCs(Be,Li)Zr2(PO4)4·1-2(H2O) NAME ORIGIN: In honor of the late Dean McCrillis and his son, Philip.
Mcgillite (Mn,Fe++)8Si6O15(OH)8Cl2 NAME ORIGIN: Named for McGill University, Montreal, Quebec, Canada.
Mcgovernite Mn9Mg4Zn2As2Si2O17(OH)14 NAME ORIGIN: Named for J. J. McGovern (1915-), Franklin miner and mineral collector.
Mcguinnessite (Mg,Cu)2(CO3)(OH)2 NAME ORIGIN: Named for Albert L. McGuinness (1926-1990), mineral dealer, San Mateo, California, USA>
Mckelveyite-(Nd) * (Ba,Sr)(Ca,Na,Nd,REE)(CO3)2·3-10(H2O) NAME ORIGIN: Named after Vincent E. McKelvey, 1916-1985), director of the U.S. Geological Survey.
Mckelveyite-(Y) Ba3Na(Ca,U)Y(CO3)6·3(H2O) NAME ORIGIN: Named after Vincent E. McKelvey, 1916-1985), director of the U.S. Geological Survey.
Mckinstryite (Ag,Cu)2S NAME ORIGIN: Named for Hugh E. McKinstry (1896-1961), U. S. Economic geologist.
Mcnearite NaCa5H4(AsO4)5·4(H2O) NAME ORIGIN: Named for Elizabeth McNear, mineralogist and crystallographer, University of Geneva, Switzerland.
Medaite (Mn,Ca)6(V+++++,As)Si5O18(OH) NAME ORIGIN: Named for Dr. Francesco Meda (1926-1977), an amateur mineralogist from Turin, Italy.
Medenbachite ! Bi2Fe+++(Cu,Fe+++)(O,OH)2(OH)2(AsO4)2 NAME ORIGIN: Named for Dr. Olaf Medenbach (1949-) of the University of Bochum, Germany.
Meerschaum * (see Sepiolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Megacyclite Na8KSi9O18(OH)9·19(H2O) NAME ORIGIN: From the Greek for large and cyclical, with reference to the large ringlike groups of silica tetrahedra in the structure.
Megakalsilite ! KAlSiO4 NAME ORIGIN: Named to reflect the large (MEGA) unit cell relative to kalsilite.

Meionite Ca4Al6Si6O24CO3 NAME ORIGIN: From the Greek for "less", referring to its less acute pyramidal form compared with vesuvianite.
Meixnerite Mg6Al2(OH)18·4(H2O) NAME ORIGIN: Named for Heinrich Herman Meixner (1908-1981), Austrian mineralogist.
Melaconite * (see Tenorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Melanite - black * (see Andradite) See Also: GOOGLE, Athena, MinDAT, MinMax
Melanocerite-(Ce) (Ce,Th,Ca)5(Si,B)3O12(OH,F)·n(H2O) (?) NAME ORIGIN: Named from the Greek meaning "black" and the composition (Cerium).
Melanochalcite * (see Tenorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Melanophlogite SiO2·n(C,H,O,S) NAME ORIGIN: From the Greek for "black" and "to be burned" in allusion to the fact that some specimens blacken on heating. Low temperature form.
Melanophlogite-alpha * (see Melanophlogite) See Also: GOOGLE, Athena, MinDAT, MinMax
Melanophlogite-beta ! SiO2·n(C,H,O,S) NAME ORIGIN: From the Greek for "black" and "to be burned" in allusion to the fact that some specimens blacken on heating. High temperature form.
Melanostibite Mn(Sb+++++,Fe+++)O3 NAME ORIGIN: From the Greek for "black" and antimony (STIBium) in its composition.
Melanotekite Pb2Fe+++2Si2O9
Melanothallite Cu2OCl2
Melanovanadite CaV++++2V+++++2O10·5(H2O) NAME ORIGIN: From the Greek, Melano, "dark" and the composition.
Melanterite Fe++SO4·7(H2O) NAME ORIGIN: From the Greek melas, "black."
Melilite (Ca,Na)2(Al,Mg,Fe++)(Si,Al)2O7 NAME ORIGIN: From the Greek, meli - "honey" and lithos - "stone."
Melinophane * (see Meliphanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Meliphanite (Ca,Na)2Be[(Si,Al)2O6(F,OH)] NAME ORIGIN: Named from the Greek for "honey" and "to appear" in allusion to the color.
Melkovite CaFe+++H6(MoO4)4(PO4)·6(H2O) NAME ORIGIN: Named for Vyacheslav Gavrilovich Melkov (1911-1991), Russian mineralogist.
Mellite Al2[C6(COO)6]·16(H2O) NAME ORIGIN: From the Latin mel - "honey."
Melnikovite * (see Greigite) See Also: GOOGLE, Athena, MinDAT, MinMax
Melonite NiTe2 NAME ORIGIN: Named for the locality. LOCALITY: Melones and Stanislaus mine, Carson hill, Calaveras County, California, USA.
Melonjosephite CaFe++Fe+++(PO4)2(OH)
Menaccanite * (see Ilmenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mendeleyevite * (see Betafite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mendipite Pb3Cl2O2 NAME ORIGIN: Named after its locality. LOCALITY: Mendip Hills, Somersetshire, England.
Mendozavilite (Na,Mg)Ca2[Mo++++++8P+++++2Fe+++3O36(OH)]·n(H2O), n~9 NAME ORIGIN: Named for H. Mendoza Avila, Mexican geologist, who found the mineral.
Mendozite NaAl(SO4)2·11(H2O)
Meneghinite Pb13CuSb7S24 NAME ORIGIN: Named for Giuseppi Meneghini (1811-1889) of Pisa, Italy who first observed the mineral.
Mengxianminite * (Ca,Na)3(Fe++,Mn++)2Mg2(Sn++++,Zn)5Al8O29
Menshikovite ! Pd3Ni2As3 NAME ORIGIN: Named for Yurii P. Men'shikov

(1934-) of the Geological Institute of the Kola Science Center, Apatity, Russia.
Mercallite KHSO4 NAME ORIGIN: Named for Giuseppe Mercalli (1850-1914), Italian Geologist, director of the Vesuvius Observatory.
Mercury Hg NAME ORIGIN: From the Arabic.
Mereheadite ! Pb2O(OH)Cl NAME ORIGIN: Named after its locality. LOCALITY: Merehead Quarry, Cranmore, Somerset, England, U.K.
Mereiterite ! K2Fe++(SO4)2·4(H2O) NAME ORIGIN: For Dr. Kurt Mereiter (1945-), Technical University of Vienna, Austria.
Merenskyite (Pd,Pt)(Te,Bi)2 NAME ORIGIN: Named for Hans Merensky (1871-1952), who was intrumental in the discovery of the "Reef" also named for him.
Merlinoite (K,Ca,Na,Ba)7Si23Al9O64·23(H2O) NAME ORIGIN: Named for Stefano Merlino (1938-), Professor of Crystallography, University of Pisa, Pisa, Italy.
Merrihueite (K,Na)2(Fe++,Mg)5Si12O30
Merrillite-(Ca) * (Ca,[ ])19Mg2(PO4)14 NAME ORIGIN: Named after George Perkins Merrill (1854-1929), meteorite specialist at U. S. National Museum, Smithsonian Institution, Washington, D.C. USA.
Merrillite-(Na) * Ca18Na2Mg2(PO4)14 NAME ORIGIN: Named after George Perkins Merrill (1854-1929), meteorite specialist at U. S. National Museum, Smithsonian Institution, Washington, D.C. USA.
Merrillite-(Y) * Ca16Y2Mg2(PO4)14 NAME ORIGIN: Named after George Perkins Merrill (1854-1929), meteorite specialist at U. S. National Museum, Smithsonian Institution, Washington, D.C. USA.
Mertieite-I Pd11(Sb,As)4 NAME ORIGIN: Named for John B. Mertie (1888-1980), geologist, U.S. Geological Survey.
Mertieite-II Pd8(Sb,As)3 NAME ORIGIN: Named for John B. Mertie (1888-1980), geologist, U.S. Geological Survey.
Merwinite Ca3Mg(SiO4)2
Mesolite Na2Ca2Al6Si9O30·8(H2O) NAME ORIGIN: From the Greek mesos - "middle."
Mesotype * (see Natrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Messelite Ca2(Fe++,Mn)(PO4)2·2(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Messel, Germany.
Messing * (see Brass) See Also: GOOGLE, Athena, MinDAT, MinMax
Meta Autunite * (see Meta-autunite) See Also: GOOGLE, Athena, MinDAT, MinMax
Meta-aluminite Al2(SO4)(OH)4·5(H2O) NAME ORIGIN: Named as the lower hydrate of aluminite.
Meta-alunogen Al4(SO4)6·27(H2O)
Meta-ankoleite K2(UO2)2(PO4)2·6(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Mungenyi pegmatite, Ankole District, Uganda.
Meta-autunite Ca(UO2)2(PO4)2·2-6(H2O) NAME ORIGIN: Named as the lower hydrate of autunite.
Meta-uranocircite Ba(UO2)2(PO4)2·6-8(H2O) NAME ORIGIN: Named for its lower hydrate relationship to uranocercite.
Meta-uranopilite (UO2)6(SO4)(OH)10·5(H2O) NAME ORIGIN: Named as the lower hydrate of uranopilite.
Meta-uranospinite Ca(UO2)2(AsO4)2·8(H2O)
Metaborite HBO2
Metacalciouranoite (Ca,Na,Ba)U2O7·2(H2O) NAME ORIGIN: Named

from meta 'change' and calciouranoite indicating it's lower hydrate content.
Metacinnabar HgS NAME ORIGIN: From the Greek meta and cinnabar (similar chemical composition and association with cinnabar).
Metadelrioite $CaSrV_2O_6(OH)_2 \cdot (H_2O)$ NAME ORIGIN: Named as the lower hydrate of delrioite which was named for Andres M. del Rio (1764-1849), Mexican mineralogist, who discovered vanadium.
Metahaiweeite $Ca(UO_2)_2Si_6O_{15} \cdot n(H_2O)$, n<5 NAME ORIGIN: Dehydration product of haiweeite.
Metaheinrichite $Ba(UO_2)_2(AsO_4)_2 \cdot 8(H_2O)$ NAME ORIGIN: Named as the lower hydrate and for Eberhardt William Heinrich (1918-1991), Mineralogist, University of Michigan, Ann Arbor, MI, USA.
Metahewettite $CaV_6O_{16} \cdot 3(H_2O)$ NAME ORIGIN: Named for its lower hydrate relationship to hewettite.
Metahohmannite $Fe^{+++}_2[O(SO_4)_2] \cdot 4(H_2O)$ NAME ORIGIN: Named after the similarity to hohmannite, with a lower state of hydration.
Metakahlerite $Fe^{++}(UO_2)_2(AsO_4)_2 \cdot 8(H_2O)$
Metakirchheimerite $Co(UO_2)_2(AsO_4)_2 \cdot 8(H_2O)$
Metakoettigite * (see Metakottigite) See Also: GOOGLE, Athena, MinDAT, MinMax
Metakottigite $(Zn,Fe^{+++},Fe^{++})_3(AsO_4)_2 \cdot 8((H_2O),OH)$ NAME ORIGIN: Named for its dimorphous relationship to kottigite, and by analogy to metavivianite.
Metalodevite $Zn(UO_2)_2(AsO_4)_2 \cdot 10(H_2O)$
Metamunirite $Na_2[V^{+++++}_2O_6]$ or $NaVO_3$ NAME ORIGIN: Named for its relationship to munirite.
Metanovacekite $Mg(UO_2)_2(AsO_4)_2 \cdot 4\text{-}8(H_2O)$
Metarossite $CaV_2O_6 \cdot 2(H_2O)$ NAME ORIGIN: Named as the dehydration procutc of rossite.
Metaschoderite $Al_2(PO_4)(VO_4) \cdot 6(H_2O)$
Metaschoepite $UO_3 \cdot n(H_2O)$ (n<2) NAME ORIGIN: Named as the lower hydrate of schoepite.
Metasideronatrite $Na_2Fe^{+++}(SO_4)_2(OH) \cdot (H_2O)$ NAME ORIGIN: Named for the similarity to sideronatrolite with a lower hydrate.
Metastibnite Sb_2S_3 NAME ORIGIN: From the Greek for "with" and stibnite, in allusion to its composition.
Metastrengite * (see Phosphosiderite) See Also: GOOGLE, Athena, MinDAT, MinMax
Metastudtite $UO_4 \cdot 2(H_2O)$ NAME ORIGIN: Named as the lower hydration product of studtite.
Metaswitzerite $Mn_3(PO_4)_2 \cdot 4(H_2O)$ NAME ORIGIN: Named as the lower hydrate of switzerite.
Metatorbernite $Cu(UO_2)_2(PO_4)_2 \cdot 8(H_2O)$ NAME ORIGIN: Named as the lower hydrate of tobernite.
Metatyuyamunite $Ca(UO_2)_2V_2O_8 \cdot 3(H_2O)$ NAME ORIGIN: Named as the lower hydrate of tyuyamunite.
Metavandendriesscheite $PbU_7O_{22} \cdot n(H_2O)$ (n<12) NAME ORIGIN: Named for Adrien Vandendriessche (1914-1940), Belgain mineralogist and geologist. Meta is used for dehydrated vandendriesscheite.
Metavanmeersscheite $U^{++++++}(UO_2)_3(PO_4)_2(OH)_6 \cdot 2(H_2O)$
Metavanuralite $Al(UO_2)_2(VO_4)_2(OH) \cdot 8(H_2O)$ NAME ORIGIN: Named as the lower hydrate of vanuralite.

Metavariscite AlPO4·2(H2O) NAME ORIGIN: Named for its dimorphic relationship to variscite.
Metavauxite Fe++Al2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named for the chemical relationship to vauxite.
Metavivianite (Fe++3-x,Fe+++x)(PO4)2(OH)x·8-x(H2O), x=0.5 NAME ORIGIN: Named to reflect the relationship with vivianite.
Metavoltine K4Na4(Fe++,Zn)Fe+++6(SO4)12O2·20(H2O) NAME ORIGIN: Named from the Greek for "with" and voltine, because is was found associated with voltaite at the original locality. LOCALITY: From Vesuvius and Cape Miseno, near Naples, Italy.
Metazellerite Ca(UO2)(CO3)2·3(H2O) NAME ORIGIN: Named for the relationship to zellerite (after Howard D. Zeller (1922-), U.S Geological Survey.
Metazeunerite Cu(UO2)2(AsO4)2·8(H2O) NAME ORIGIN: Named as the lower hydrate of zeunerite
Methane Clathrate * (see Methane hydrate-H) See Also: GOOGLE, Athena, MinDAT, MinMax
Methane Clathrate * (see Methane hydrate-I) See Also: GOOGLE, Athena, MinDAT, MinMax
Methane Clathrate * (see Methane hydrate-II) See Also: GOOGLE, Athena, MinDAT, MinMax
Methane hydrate * (see Methane hydrate-H) See Also: GOOGLE, Athena, MinDAT, MinMax
Methane hydrate * (see Methane hydrate-I) See Also: GOOGLE, Athena, MinDAT, MinMax
Methane hydrate * (see Methane hydrate-II) See Also: GOOGLE, Athena, MinDAT, MinMax
Methane hydrate-H ! 34(H2O)·3(S)·2(M)·1(L) NAME ORIGIN: Named for the composition of the component chemicals.
Methane hydrate-I ! 46(H2O)·2(S)·6(L) NAME ORIGIN: Named for the composition of the component chemicals.
Methane hydrate-II ! 136(H2O)·16(S)·8(L) NAME ORIGIN: Named for the composition of the component chemicals.
Meurigite ! KFe+++7(PO4)5(OH)7·8(H2O) NAME ORIGIN: Named for Sir John Meurig Thomas, British chemist
Meyerhofferite Ca2B6O6(OH)10·2(H2O) NAME ORIGIN: Named for Wilhelm Myerhoffer (1864-1906), German chemist who synthesized the mineral.
Meymacite WO3·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Meymac, Correze, France.
Mg-zippeite * (see Magnesium-zippeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mgriite Cu3AsSe3 NAME ORIGIN: Named for the Moscow Geological Exploration Institute (MGEI).
Miargyrite AgSbS2 NAME ORIGIN: From the Greek, meyon, "smaller" and argyros, "silver." in allusion to the lessor silver content of the mineral.
Miassite ! Rh17S15 NAME ORIGIN: Named after the locality. LOCALITY: Miass river, Ural Mountains, Russia
Micaceous Iron Ore * (see Biotite) See Also: GOOGLE, Athena, MinDAT, MinMax
Micheelsenite ! (Ca,Y)3Al[PO3OH,CO3](CO3)(OH)6·12(H2O) NAME ORIGIN: Named for H. I. Micheelsen (1931-), of the University of Copenhagen, Denmark.
Michenerite (Pd,Pt)BiTe NAME ORIGIN: Named for C. E. Michener, who discovered the mineral.
Microcline KAlSi3O8 NAME ORIGIN: From the Greek mikron - "little" and klinein - "to stoop."
Microlite (Na,Ca)2Ta2O6(O,OH,F) NAME ORIGIN: From the Greek mikros - "small" and lithos - "stone."
Microsommite (Na,Ca,K)7-8(Si,Al)12O24(Cl,SO4)2-3 NAME ORIGIN:

Named after its locality. LOCALITY: Mte Somma, Vesuvius, Italy.
Miersite (Ag,Cu)I NAME ORIGIN: Named for Henry Alexander Miers (1848-1942), English mineralogist, Oxford University.
Miharaite PbCu4FeBiS6 NAME ORIGIN: Named after the locality. LOCALITY: Mihara mine and the Imooka mine, Okayama Prefecture, Japan.
Mikasaite Fe+++2(SO4)3 NAME ORIGIN: For its locality. LOCALITY: Ikushunbetsu, Mikasa City, Hokkaido, Japan.
Milarite K2Ca4Al2Be4Si24O60·(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Val Milar, Switzerland.
Millerite NiS NAME ORIGIN: Named after the English mineralogist, William Hallowes Miller (1801-1880)
Millisite (Na,K)CaAl6(PO4)4(OH)9·3(H2O) NAME ORIGIN: Named for F. T. Millis of Lehi, Utah, who found the first specimens.
Millon's base * (see Mosesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Millosevichite (Al,Fe+++)2(SO4)3 NAME ORIGIN: Named for F. Millosevich (1874-1942), Italian mineralogist, University of Rome.
Milotaite ! PdSbSe NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Mimetesite * (see Mimetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mimetite Pb5(AsO4)3Cl NAME ORIGIN: From the Greek mimethes - "imitator" , because of its resemblance to pyromorphite.
Minamiite (Na,Ca,K)Al3(SO4)2(OH)6
Minasgeraisite-(Y) CaY2Be2Si2O10 NAME ORIGIN: Named after its locality. LOCALITY: The Jaguaracu Pegmatite, Minas Gerais, Brazil. Also known as the Jose Miranda mine or the Ze Pinto or Jose Pinto mine.
Minasragrite VO(SO4)·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Mina Ragra (Minasragra), Junin, Cerro de Pasco, Peru.
Mineevite-(Y) Na25Ba(Y,Gd,Dy)2(HCO3)4(CO3)11(SO4)2ClF2 NAME ORIGIN: Named for Dimitry A. Mineev (1935-1992), Russian mineralogist and Geochemist.
Minehillite (K,Na)2-3Ca28(Zn4Al4Si40)O112(OH)16 NAME ORIGIN: Named for the locality. LOCALITY: Mine Hill at Franklin, Sussex County, New Jersey, USA.
Minguzzite K3Fe+++(C2O4)3·3(H2O) NAME ORIGIN: Named for Carlo Minguzzi (1910-1953), Italian mineralogist and professor, University of Pavia.
Minium Pb++2Pb++++O4 NAME ORIGIN: Named after its locality. LOCALITY: The river Minius located in NW Spain.
Minnesotaite (Fe++,Mg)3Si4O10(OH)2 NAME ORIGIN: Named after its occurrence in Minnesota, USA.
Minrecordite CaZn(CO3)2 NAME ORIGIN: Named after the journal Mineralogical Record.
Minyulite KAl2(PO4)2(OH,F)·4(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Minyulo Well in western Australia.
Mirabilite Na2SO4·10(H2O) NAME ORIGIN: Named after the Latin, sal mirabile Glauberi - "Glauber Salt."
Misenite K8H8(SO4)7 (?) NAME ORIGIN: Named after its locality. LOCALITY: Cape Miseno, near Naples, Italy.
Miserite K(Ca,Ce)5[Si8O22](OH,F)2 NAME ORIGIN: Named for Hugh Dinsmore Miser (1884-1969), geologist, U. S. Geological Survey.
Mispickel * (see Arsenopyrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Misy * (see Copiapite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mitaxite - splintery * (see Orthochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Mitridatite Ca2Fe+++3(PO4)3O2·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Mithridat Hill, Kerch, Crimea, Russia.
Mitryaevaite ! Al5[(PO4)2[(P,S)O3(OH,O)]2F2(OH)2(H2O)8·6.48(H2O) NAME ORIGIN: For Dr. Nonna Mikhailovna Mitryaeva (1920-) in recognition of her contributions to the mineralogy of Kazakhstan.
Mitscherlichite K2CuCl4·2(H2O)
Mixite BiCu6(AsO4)3(OH)6·3(H2O) NAME ORIGIN: Named after the mining engineer, A. Mixa from Jachymov, Czechoslovakia.
Miyashiroite * (see Nyboite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mock Lead Ore * (see Sphalerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Moctezumite Pb(UO2)(TeO3)2 NAME ORIGIN: Named for the locality which was named after Moctezuma (1466-1520), last king of the Aztecs. LOCALITY: Moctezuma mine (La Bambolla), Moctezuma, Sonora, Mexico.
Modderite (Co,Fe)As NAME ORIGIN: Named for the locality. LOCALITY: Modderfontein mine, Witwatersrand, Transvaal, South Africa.
Moeloite ! Pb6Sb6S14(S3) NAME ORIGIN: Named for Yves Moelo who synthesized and characterized the synthetic material prior to the discovery of the mineral.
Moganite ! SiO2 NAME ORIGIN: Named for the locality. LOCALITY: Mogan, on southern Gran Canaria in the Canary Islands.
Moganite * (see Lutecite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mogovidite ! Na9(Ca,Na)6Ca6Fe2Zr3[ ]Si25O72(CO3)(OH)4 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Mohite Cu2SnS3 NAME ORIGIN: Named for Gunter Moh, University of Heidelberg, Germany.
Mohr's salt * (see Mohrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mohrite (NH4)2Fe++(SO4)2·6(H2O)
Moissanite SiC NAME ORIGIN: Named for Henri Moissan (1852-1907), French chemist.
Moluranite H4U++++(UO2)3(MoO4)7·18(H2O)
Molybdenite MoS2 NAME ORIGIN: Greek, molybdos = "lead."
Molybdic ochre * (see Molybdenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Molybdite MoO3
Molybdite * (see Ferrimolybdite) See Also: GOOGLE, Athena, MinDAT, MinMax
Molybdoferrite * (see Bamfordite) See Also: GOOGLE, Athena, MinDAT, MinMax
Molybdofornacite Pb2Cu[(As,P)O4][(Mo,Cr)O4](OH) NAME ORIGIN: Named for its predominance of molybdenum and relation to fornacite.
Molybdomenite PbSeO3
Molybdophyllite Pb9Mg9Si9O24(OH)24 NAME ORIGIN: Named from the Greek for "lead" and "leaf", in allusion to its composition and foliated habit.
Molysite Fe+++Cl3
Monazite-(Ce) (Ce,La,Nd,Th)PO4 NAME ORIGIN: From the Greek monazeis - "to be alone" in allusion to its isolated crystals and their rarity when first found.
Monazite-(La) (La,Ce,Nd)PO4 NAME ORIGIN: From the Greek monazeis - "to be alone" in allusion to its isolated crystals and their rarity when first found.
Monazite-(Nd) (Nd,Ce,La)(P,Si)O4 NAME ORIGIN: From the Greek

monazeis - "to be alone" in allusion to its isolated crystals and their rarity when first found.
Monazite-(Sm) ! SmPO4 NAME ORIGIN: Named as the Sm-dominant member of the monazite series.
Moncheite (Pt,Pd)(Te,Bi)2 NAME ORIGIN: Named for the locality. LOCALITY: Monchegorsk deposit, Monche Tundra, Murmansk,Kola peninsula, Russia.
Monetite CaHPO4
Mongolite Ca4Nb6Si5O24(OH)10·5(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Khan-Bogdinsky massif, Gobi desert, Mongolia, China.
Mongshanite * (Mg,Cr,Fe++)2(Ti,Zr)5O12
Monimolite (Pb,Ca)2Sb2O7 NAME ORIGIN: Named from the Greek for "stable," because it decomposed chemically with great difficulty.
Monohydrocalcite CaCO3·(H2O) NAME ORIGIN: Named for its calcite composition with one molecule of water.
Monrepite * (see Tetra-ferri-annite) See Also: GOOGLE, Athena, MinDAT, MinMax
Monsmedite ? H8K2Tl2(SO4)8·11(H2O) NAME ORIGIN: Named in 1968 from the Latin 'Mons Medius', for Baia Sprie, Romania, the locality for the mineral. LOCALITY: Baia Sprie, Baia Mare region, Romania.
Monsmedite * (see Voltaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Montanite Bi2Te++++++O6·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Highland, Montana, USA.
Montbrayite (Au,Sb)2Te3 NAME ORIGIN: Name for the locality. LOCALITY: Robb-Montbray mine, Montbray, Abitibi County, Québec, Canada.
Montdorite (K,Na)(Fe++,Mn++,Mg)2.5[Si4O10](F,OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Mt. Dore stratovolcano, near La Bourboule, France.
Montebrasite LiAl(PO4)(OH,F) NAME ORIGIN: Named for the locality. LOCALITY: Montebras, Creuse, France.
Monteponite CdO
Monteregianite * (see Hydrodelhayelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Monteregianite-(Y) (Na,K)6(Y,Ca)2Si16O38·10(H2O) NAME ORIGIN: Named for the Monteregian Hills, a series of intrusions.
Montesommaite (K,Na)9Al9Si23O64·10(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Monte Somma, Pollena, Camania, Italy.
Montgomeryite Ca4MgAl4(PO4)6(OH)4·12(H2O) NAME ORIGIN: Named for Arthur Mongomery (1909-), mineralogist, teacher, collector, and founder of the Friends of Mineralogy.
Monticellite CaMgSiO4 NAME ORIGIN: Named for Teodoro Monticelli (1759-1846), Italian Mineralogist.
Montmorillonite (Na,Ca)0,3(Al,Mg)2Si4O10(OH)2·n(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Veinne, Montmorillone, France.
Montmorillonite(Ca) * (see Beidellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Montmorillonite(Na) * (see Beidellite) See Also: GOOGLE, Athena, MinDAT, MinMax
Montroseite (V+++,Fe+++,V++++)O(OH) NAME ORIGIN: Named after the locality. LOCALITY: Bitter Creek, Jo Dandy, Whitney, and Virgin mines, Uravan district, Montrose County, Colorado, USA.
Montroyalite Sr4Al8(CO3)3(OH,F)26·10-11(H2O)
Montroydite HgO

Mooihoekite Cu9Fe9S16 NAME ORIGIN: Named for the locality. LOCALITY: Mooihoek Farm, Lydenberg district, Transvaal, South Africa
Moolooite Cu++(C2O4)·n(H2O) (n < 1) NAME ORIGIN: Named for the locality. LOCALITY: Bunbury Well, Mooloo Downs, WA, Australia.
Mooreite (Mg,Zn,Mn)15(SO4)2(OH)26·8(H2O) NAME ORIGIN: Named for Gideon E. Moore (1842-1895), U.S. Chemist who investigated the Franklin and Sterling Hill, New Jersey ores.
Moorhouseite (Co,Ni,Mn)SO4·6(H2O)
Mopungite NaSb(OH)6 NAME ORIGIN: Named for the locality. LOCALITY: Mopung Hills, Churchill County, Nevada, USA.
Moraesite Be2(PO4)(OH)·4(H2O) NAME ORIGIN: Named for Liciano Jacques de Moraes (1896-1968), Brazilian geologist and mineral collector.
Mordenite (Ca,Na2,K2)Al2Si10O24·7(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Shore of Bay of Fundy, 3-5 km east of Morden, King's County, Nova Scotia, Canada.
Moreauite Al3(UO2)(PO4)3(OH)2·13(H2O)
Morelandite (Ba,Ca,Pb)5(AsO4,PO4)3Cl NAME ORIGIN: Named for Groven C. Moreland (1912-1978), supervisor of sample preparation laboratory, National Museum of Natural History, Smithsonian Institution, Washington, DC., USA.
Morenosite NiSO4·7(H2O) NAME ORIGIN: Named after Antonio Moreno Ruiz (1796-1852), Spanish pharmacist and chemist.
Morganite - pink * (see Beryl) See Also: GOOGLE, Athena, MinDAT, MinMax
Morimotoite Ca3TiFe++Si3O12 NAME ORIGIN: For Dr. Nobuo Morimoto (1926-), Professor Emeritus of Osaka University.
Morinite NaCa2Al2(PO4)2(F,OH)5·2(H2O)
Morozeviczite (Pb,Fe)3Ge1-xS4 NAME ORIGIN: Named for Josef Morozewicz (1865-1941), Professor of Mineralogy, Jagellonian University, Krakow, Poland.
Mosandrite Na(Na,Ca)2(Ca,Ce,Y)4(Ti,Nb,Zr)(Si2O7)2(O,F)2F3 NAME ORIGIN: Named for Carl Gustav Mosander (1797-1858), Swedish chemist and mineralogist, who discovered several REE elements.
Moschelite Hg+2I2 NAME ORIGIN: After the locality. LOCALITY: Backofen mine, Moschel landsberg district, Opermoschel, Rhineland Pjalz, Germany.
Moschellandsbergite Ag2Hg3 NAME ORIGIN: Named for the locality. LOCALITY: Landsberg (Moschellandsberg), near Obermoschel, Rheinland-Palatinate, Germany.
Mosesite Hg2N(Cl,SO4,MoO4,CO3)·(H2O) NAME ORIGIN: Named for Alfred J. Moses (1859-1920), professor of mineralogy, Columbia University who studies the Hg-bearing minerals at Terlingua, Texas, USA.
Moskvinite-(Y) ! Na2K(Y,REE)[Si6O15] NAME ORIGIN: Named for A.V. Moskvin (1897-1974), Russian geologist.
Moss Agate - variety of chaledony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Mottanaite-(Ce) ! Ca4(Ce,Ca)2AlBe2[Si4B4O22]O2 NAME ORIGIN: Named for Annibale Mottana, Professor of Mineralogy at the University of Roma Tre (Italy).
Mottramite PbCu(VO4)(OH) NAME ORIGIN: Named for the locality. LOCALITY: Mottram, St. Andrews, Cheshire, England.
Motukoreaite Na2Mg38Al24(CO3)13(SO4)8(OH)108·56(H2O) NAME ORIGIN: Named for the Maori name for the locality (Motukorea - "island of the cormorants."). LOCALITY: Brown's Island, (Motukorea) within Waitemata Harbor,

New Zealand.
Mounanaite PbFe+++2(VO4)2(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Mounana mine, Franceville, Haute Ogooue, Gabon.
Mountain Leather * (see Actinolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mountain Leather * (see Clinochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Mountainite (Ca,Na2,K2)2Si4O10·3(H2O) NAME ORIGIN: Named for Edgar Donald Mountain, Professor of Geology, Rhodes University, Grahamstown, South Africa.
Mountkeithite (Mg,Ni)11(Fe+++,Cr)3(SO4,CO3)3.5(OH)24·11(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Mount Keith nickel deposit, 400 km nnw of Kalgooolie, WA, Australia.
Mourite U++++Mo++++++5O12(OH)10 NAME ORIGIN: Named for its composition (Mo, Uranium).
Moydite-(Y) YB(OH)4(CO3)
Mozartite CaMn+++SiO4(OH) NAME ORIGIN: Named for Wolfgang Amadeus Mozart (1756-1791) and his opera "The Magic Flute". The mineral was first noted in 1991, the 200th anniversary of the composer's death.
Mozgovaite ! PbBi4(S,Se)7 NAME ORIGIN: Named for the Russian mineralogist Nadezhda N. Mozgova (1931-).
Mpororoite Al(WO3)(OH)3·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Mpororo tungsten mine, Kigezi, Uganda.
Mrazekite Bi+++2Cu++3(PO4)2O2(OH)2·2(H2O) NAME ORIGIN: Named for Zdenek Mrazek (1952-1984) who discovered the mineral.
Mroseite CaTe++++(CO3)O2 NAME ORIGIN: Named for Mary Emma Mrose (1910-), American mineralogist, U. S. Geological Survey.
Muckeite CuNiBiS3 NAME ORIGIN: Named for Arno Mucke (1937-), German mineralogist.
Mueckeite * (see Muckeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Muirite Ba10Ca2Mn++TiSi10O30(OH,Cl,F)10 NAME ORIGIN: Named for John Muir (1838-1914), American geologist and explorer who made early observations in geology in the Sierra Nevada Mountains, California, USA.
Mukhinite Ca2Al2V+++(SiO4)3(OH)
Mullanite * (see Boulangerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Mullite Al(4+2x)Si(2-2x)O(10-x) where x =0.17 to 0.59 NAME ORIGIN: Named after its locality. LOCALITY: Isle of Mull, Scotland, England.
Mummeite Ag3CuPbBi6S13 or Ag2Cu2Pb2Bi6S13 NAME ORIGIN: Named in 1986 for William G. Mumme (b.1936), Australian mineralogist.
Mundite Al(UO2)3(PO4)2(OH)3·5(H2O) NAME ORIGIN: Named for Walter Mund (1892-1956), radiochemist, University of Louvain, Belgium.
Mundrabillaite (NH4)2Ca(HPO4)2·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Petrogale Cave near Mundrabilla Station, WA, Australia.
Munirite NaVO3·(2-x)(H2O)
Murataite (Y,Na)6(Zn,Fe+++)5(Ti,Nb)12O29(O,F)14 NAME ORIGIN: Named for Kiguma Jack Murata (1909-) Geochemist, U.S. Geological Survey, Menlo Park, California, USA.
Murate of Sota * (see Halite) See Also: GOOGLE, Athena, MinDAT, MinMax
Murdochite PbCu6O8-x(Cl,Br)2x NAME ORIGIN: Named for Joseph Murdock (1890-1973), American mineralogist, University of California, Los Angeles, California, USA.

Murmanite Na3(Ti,Nb)4(Si2O7)2O4·4(H2O) NAME ORIGIN: Named apparently for the locality. LOCALITY: Lu Javr and Hibina districts, Lovozero Massif, Murmansk, Kola peninsula, Russia.
Murunskite K2Cu3FeS4 NAME ORIGIN: Named for the locality. LOCALITY: Murunskii massif, between the Charo and Tokko Rivers, Olekminsk, Aldan, Yakutia, Russia.
Muscovite KAl2(Si3Al)O10(OH,F)2 NAME ORIGIN: From Muscovy glass, alluding to the Russian province of Muscovy.
Musgravite * (see Magnesiotaaffeite-6N3S) See Also: GOOGLE, Athena, MinDAT, MinMax
Mushistonite (Cu,Zn,Fe)Sn++++(OH)6 NAME ORIGIN: Named for the locality. LOCALITY: Mushiston tin deposit, Kaznok, Tadzhikistan.
Muskoxite Mg7Fe+++4O13·10(H2O) NAME ORIGIN: Named for the igneous complex (the Muskox intrusion) in which the mineral occurs.
Muthmannite AgAuTe2 NAME ORIGIN: Named for Friedrich W. Muthmann (1861-1913), German chemist and crystallographer.
Mutinaite ! Na3Ca4Si85Al11O192·60(H2O) NAME ORIGIN: Named after Mutina, the ancient Latin name of Modena, Italy, a center of zeolite research.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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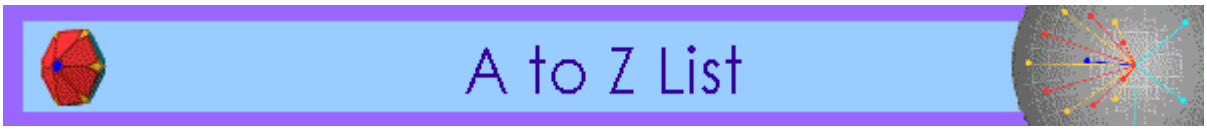

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This alphabetical listing of **N minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

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n-tetracosane * (see Evenkite) See Also: GOOGLE, Athena, MinDAT, MinMax

Na-komarovite ? ▲ Na6CaNb6[Si4O12F2·4(H2O) NAME ORIGIN: Named in 1979 for Vladimir M. Komarov (1927-1967), Russian cosmonaut who was killed during his return flight on April 23, 1967 and the sodium content.

Na-Rectorite * (see Rectorite) See Also: GOOGLE, Athena, MinDAT, MinMax

Nabalamprophyllite ! ▲ Ba(Na,Ba){Na3Ti[Ti2O2Si4O14](OH,F)2} NAME ORIGIN: Named as the Na & Ba dominant analogue of lamprophyllite.

Nabaphite ▲ NaBaPO4·9(H2O)

Nabesite ! + ▲ Na2BeSi4O10·4(H2O) NAME ORIGIN: Named after the elements in its composition, Natrium (Na), Beryllium (Be), and Silicon (Si).

Nabiasite ! ▲ BaMn9[(V,As)O4]6(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Pla de Labasse deposit near the hamlet of Nabias, Central Pyrenees, France.

Nabokoite ▲ Cu++7Te++++O4(SO4)5·KCl NAME ORIGIN: Named for Sof'ya I. Naboko (1901-), Russian volcanologist.

Nacaphite ▲ Na(Na,Ca)2(PO4)F NAME ORIGIN: Named after the

composition (NaCa, Phosphate).
Nacareniobsite-(Ce) NbNa3Ca3(Ce,La)(Si2O7)2OF3 NAME ORIGIN: Named for Natrium (sodium), Calcium, Rare Earths, NIOBium, and Silicon in the chemical formula.
Nacrite Al2Si2O5(OH)4 NAME ORIGIN: From the French, nacre, "mother-of-pearl."
Nadorite PbSbO2Cl NAME ORIGIN: Named for the locality LOCALITY: Djebel Nador, Constantine, Algeria.
Nafertisite ! Na3(Fe++,Fe+++)6(Ti2Si12O34)(O,OH)7·2(H2O) NAME ORIGIN: Named for the elements, NAtrium, FERrus and FERric, and TIanium.
Nagashimalite Ba4(V+++,Ti)4Si8B2O27Cl(O,OH)2 NAME ORIGIN: Named for Otokichi Nagashima (1890{1969), pioneer Japanese amateur mineralogist,
Nagelschmidtite Ca7(SiO4)3(PO4)2 NAME ORIGIN: Named for G. Nagelschmidt, who first described the synthetic compound in 1937.
Nagyagite AuPb(Sb,Bi)Te2-3S6 NAME ORIGIN: Named after the locality. LOCALITY: Nagyag mine (now Sacaramb), Romania.
Nahcolite NaHCO3 NAME ORIGIN: Named for the nmonic of the chemical formula (NaHCO).
Nahpoite Na2HPO4 NAME ORIGIN: Named for its composition (NaHPO-).
Nakalifite * (see Gagarinite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Nakauriite (Mn,Ni,Cu)8(SO4)4(CO3)(OH)6·48(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Nakauri, Achi Prefecture, Japan.
Naldretteite ! Pd2Sb NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Nalipoite NaLi2PO4
Namansilite NaMn+++(Si2O6)
Nambulite (Li,Na)Mn++4[Si5O14(OH)] NAME ORIGIN: Named for Matsuo Nambu (1917-), mineralogist, Tohoko University, Japan.
Namibite Cu++Bi2(VO4)O2 NAME ORIGIN: Named for the country in which it is found.
Namuwite (Zn,Cu)4(SO4)(OH)6·4(H2O) NAME ORIGIN: Named for the country of origin, and the National Museum of Wales.
Nanlingite CaMg4(AsO3)2F4 NAME ORIGIN: Named after the locality. LOCALITY: Nanling area, southern China.
Nanpingite Cs(Al,Mg,Fe++,Li)2(Si3Al)O10(OH,F)2 NAME ORIGIN: Named for the locality. LOCALITY: Nanping area, Fukien Province, China.
Nantokite CuCl NAME ORIGIN: Named after its location.
Narsarsukite Na2(Ti,Fe+++)Si4(O,F)11 NAME ORIGIN: Named after its locality. LOCALITY: Narsarsuk, southern Greenland.
Nasinite Na2B5O8(OH)·2(H2O)
Nasledovite PbMn3Al4(CO3)4(SO4)O5·5(H2O) NAME ORIGIN: Named after B. N. Nasledov (1891-1942) of Russia.
Nasonite Pb6Ca4Si6O21Cl2 NAME ORIGIN: Named for Frank Lewis Nason (1856-1928), American geologist, Geological Survey of New Jersey.
Nastrophite Na(Sr,Ba)(PO4)·9(H2O)
Natalyite Na(V+++,Cr+++)Si2O6
Natanite Fe++Sn++++(OH)6 NAME ORIGIN: Named for Natan Il'ich Ginzburg (1917-1985), Russian mineralogist and geochemist.
Natisite Na2(TiO)SiO4

Native Alum * (see Potassium-alum) See Also: GOOGLE, Athena, MinDAT, MinMax
Natrite Na2CO3 NAME ORIGIN: Named for the composition.
Natriumphlogopite * (see Aspidolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Natriumphlogopite * (see Wonesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Natroalunite NaAl3(SO4)2(OH)6
Natroapophyllite NaCa4Si8O20F·8(H2O) NAME ORIGIN: From the Greek apophylliso - "it flakes off" and the composition.
Natrobistantite (Na,Cs)Bi(Ta,Nb,Sb)4O12 NAME ORIGIN: For sodium (NATRium), BISmuth, and TANTalum in the chemical formula which deviates from the IMA pyrochlore nomenclature.
Natrocalcite * (see Gaylussite) See Also: GOOGLE, Athena, MinDAT, MinMax
Natrochalcite NaCu2(SO4)2(OH)·(H2O) NAME ORIGIN: Named for the compositon, NATRium (Na), and CHALCos, (Cu).
Natrodufrenite Na(Fe+++,Fe++)(Fe+++,Al)5(PO4)4(OH)6·2(H2O) NAME ORIGIN: Named for the essential sodium, (NATRium) and its relationship to dufrenite.
Natrofairchildite Na2Ca(CO3)2 NAME ORIGIN: Named as the Na analog of fairchildite.
Natroglaucocerinite ! (Na,Zn,Cu)10Al6(SO4)3(OH)32·18(H2O)?
Natrojarosite NaFe+++3(SO4)2(OH)6 NAME ORIGIN: Named after its chemical composition and similarity to Jarosite.
Natrolemoynite ! Na4Zr2Si10O26·9(H2O) NAME ORIGIN: The name alludes to the Na dominance and polymorphic relationship to lemoynite.
Natrolite Na2[Al2Si3O10]·2(H2O) NAME ORIGIN: From the Greek natron, "soda," in allusion to sodium content and lithos - "stone."
Natromontebrasite (Na,Li)Al(PO4)(OH,F)
Natron Na2CO3·10(H2O) NAME ORIGIN: From the Latin for "soda."
Natronambulite (Na,Li)Mn++4[Si5O14(OH)] NAME ORIGIN: Named for its composition and for Matsuo Nambu (1917-), mineralogist, Tohoko University, Japan.
Natroniobite NaNbO3 NAME ORIGIN: Named for the composition.
Natrophilite NaMnPO4
Natrophosphate Na7(PO4)2F·19(H2O) NAME ORIGIN: Named for the composition.
Natrosilite Na2Si2O5
Natrotantite Na2Ta4O11 NAME ORIGIN: Named for sodium, "NATRium", and TANTalum in the composition.
Natroxalate ! Na2C2O4 NAME ORIGIN: Named after its chemical composition of sodium (Na) and oxalate (C2O4).
Naujakasite Na6(Fe++,Mn)Al4Si8O26 NAME ORIGIN: Named for the locality. LOCALITY: Naujakasik, Tunugdliarfik Fjord, Greenland.
Naumannite Ag2Se NAME ORIGIN: Named for Carl Friedrich Naumann (1797-1873), German mineralogist and crystallographer.
Navajoite V2O5·3(H2O)
Nchwaningite Mn++2SiO3(OH)2·(H2O) NAME ORIGIN: Named for its locality. LOCALITY: The N,chwaning II Mine, Kalahari Manganese Field, Northern Cape Province, Republic of South Africa.
Nealite Pb4Fe++(As+++++O4)2Cl4 NAME ORIGIN: Named of Leo Neal Yedlin (1908-1997), micromount mineral collector of New Haven, Connecticut,

USA.
Nealite-(H2O) * Pb4Fe++(As+++O3)2Cl4·2(H2O) NAME ORIGIN: Named for Neal Yedlin (1908-1977), U. S. Mineralogist, who discovered the mineral.
Needle ironstone * (see Goethite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nefedovite Na5Ca4(PO4)4F
Neighborite NaMgF3 NAME ORIGIN: Named for Frank Neighbor (1906-), American petroleum geologist, Sun Oil Co. who logged the first specimen.
Nekoite Ca3Si6O15·7(H2O) NAME ORIGIN: Named by reversing the order for okenite (Lorenz Oken (1779-1851), German natural historian, Munich Germany) because the minerals were so similer.
Nekrasovite Cu+26V2(Sn,As,Sb)6S32 NAME ORIGIN: Named for I. Y. Nekrasov, Russian mineralogist.
Nelenite (Mn,Fe++)16Si12As+++3O36(OH)17 NAME ORIGIN: Named for Joseph A. Nelen, chemist at the Smithsonian Institution, Washington, D.C., USA.
Neltnerite CaMn+++6SiO12
Nemalite * (see Brucite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nenadkevichite (Na,Ca,K)(Nb,Ti)Si2O6(O,OH)·2(H2O) NAME ORIGIN: Named for Konstantin A. Nenadkevich, Russian mineralogist and geochemist.
Nenadkevichite - (60.1.3.1) * (see Nenadkevichite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nenadkevite * (see Boltwoodite) See Also: GOOGLE, Athena, MinDAT, MinMax
Neocolmanite * (see Colemanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Neodymite * (see Lanthanite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Neodymite * (see Lanthanite-(Nd)) See Also: GOOGLE, Athena, MinDAT, MinMax
Neotocite (Mn,Fe++)SiO3·(H2O) (?) NAME ORIGIN: From the Greek "Neotokos" = of recent origin, being a product of deterioration of other species.
Nepheline (Na,K)AlSiO4 NAME ORIGIN: From the Greek nephele, "cloud," because it becomes clouded when put in strong acid.
Nephelite * (see Nepheline) See Also: GOOGLE, Athena, MinDAT, MinMax
Nephrite Jade * (see Actinolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nepouite Ni3Si2O5(OH)4 NAME ORIGIN: Named after its locality. LOCALITY: Reis II mine, Nepoui, New Caledonia.
Nepskoeite ! Mg4Cl(OH)7·6(H2O) NAME ORIGIN: Named after it's location.
Neptunite KNa2Li(Fe++,Mn)2Ti2Si8O24 NAME ORIGIN: Named for Neptune, the Roman god of the sea, because it was found with aegirine, named for the Scandinavian god of the sea.
Neskevaaraite-Fe ! NaK3Fe(Ti,Nb)4(Si4O12)2(O,OH)4·6(H2O) NAME ORIGIN: Named for the locality and composition. LOCALITY: Drillcore from the Neskevaara Hill, central part of the Vuoriyarvi alkaline-ultrabasic massif, northern Karelia, Russia.
Nesquehonite Mg(HCO3)(OH)·2(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Coal mine at Nesquehoning, Carbon Co., Pennsylvania, USA.
Neustadtelite ! Bi2Fe+++(Fe+++,Co)(O,OH)2(OH)2(AsO4)2 NAME ORIGIN: Named after the locality. LOCALITY: Mine dumps in the Schneeberg-Neustädtel area, Saxony, Germany.
Nevadaite ! (Cu++,[ ],Al,V+++)6[Al8(PO4)8F8] (H2O)23 NAME ORIGIN: Named for the locality LOCALITY: 5425-5375 (elevation) benches, Gold Quarry open-pit mine near Carlin, Eureka County, Nevada.
Nevskite Bi(Se,S) NAME ORIGIN: Named for the locality. LOCALITY: Nevskii tin deposit, northeastern Russia.

Nevyanakite * (see Osmium) See Also: GOOGLE, Athena, MinDAT, MinMax
Newberyite Mg(PO3OH) ·3(H2O)
Neyite AgCu3Pb12.5Bi13S34 NAME ORIGIN: Named for Charles Stewart Ney (1918-1975), Geologist.
Nezilovite ! PbZn2(Mn++++,Ti++++)2Fe+++8O19 NAME ORIGIN: Named after its locality. LOCALITY: Nezilovo, Republic of Macedonia.
Niahite (NH4)(Mn++,Mg,Ca)PO4·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Niah Great Cave, Sarawak, Malaysia.
Niccolite * (see Nickeline) See Also: GOOGLE, Athena, MinDAT, MinMax
Nichromite (Ni,Co,Fe++)(Cr,Fe+++,Al)2O4 NAME ORIGIN: Named for chromite with dominant nickel, Ni.
Nickel Ni NAME ORIGIN: From the German Nickel - "demom", from a contraction of kupfernickel, or "Devil's Copper", as the mineral was believed to contain copper but yielded none when smelted.
Nickel Bloom * (see Annabergite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nickel glance * (see Gersdorffite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nickel Porphyrin * (see Abelsonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nickel Selenide * (see Sederholmite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nickel Vitriol * (see Morenosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nickel-boussingaultite (NH4)2(Ni,Mg)(SO4)2·6(H2O)
Nickel-skutterudite (Ni,Co)As3-x NAME ORIGIN: Named as the nickel-rich version of skutterudite.
Nickel-zippeite Ni++2(UO2)6(SO4)3(OH)10·16(H2O) NAME ORIGIN: Named for its composition and for Franz Xaver Maxmillian Zippe (1791-1863), Austrian mineralogist.
Nickelalumite (Ni,Cu)Al4[(SO4),(NO3)2](OH)12·3(H2O) NAME ORIGIN: Named in allusion to its composition.
Nickelaustinite Ca(Ni,Zn)(AsO4)(OH)
Nickelbischofite NiCl2·6(H2O) NAME ORIGIN: Nickel analog of bischofite.
Nickelblodite Na2(Ni,Mg)(SO4)2·4(H2O)
Nickelbloedite * (see Nickelblodite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nickelhexahydrite (Ni,Mg,Fe++)(SO4)·6(H2O) NAME ORIGIN: Named for nickel in the compostion and relationship to hexahydrite.
Nickelian Pyrite * (see Bravoite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nickeline NiAs NAME ORIGIN: Named after its composition.
Nickellotharmeyerite ! Ca(Ni,Fe,Co)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named to indicate the chemical and structural similarities with lotharmeyerite.
Nickelphosphide ! (Ni,Fe)3P NAME ORIGIN: The name reflects its composition.
Nickelschneebergite ! Bi(Ni,Co)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named as the Ni-dominant analog of schneebergite (Locality).
Nickenichite Na0,8Ca0,4(Mg,Fe+++,Al)3Cu0,4(AsO4)3 NAME ORIGIN: Named for the locality. LOCALITY: Nickenich village, near the Nickenicher Sattel Volcano, Eifel district, Germany.
Nicols * (see Calcite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nicolsonite (Zn) * (see Aragonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Niedermayrite ! Cu4Cd(SO4)2(OH)6·4(H2O) NAME ORIGIN: Named after Gerhard Niedermayr (b. 1941), mineralogist and geologist, Naturhistorisches Museum, Vienna, Austria, compiler of the regional mineralogy of the eastern

Alps.
Nierite Si3N4 NAME ORIGIN: For A. O. Nier (1912-1994), who was responsible for the now accepted measurement of the atmospheric N-isotope composition.
Nifontovite Ca3B6O6(OH)12·2(H2O) NAME ORIGIN: Named for Roman V. Nifontov (1901-1960), Russian geologist.
Nigerite * (see Ferronigerite-2N1S) See Also: GOOGLE, Athena, MinDAT, MinMax
Nigerite-24R * (see Ferronigerite-6N6S) See Also: GOOGLE, Athena, MinDAT, MinMax
Nigerite-6H * (see Ferronigerite-2N1S) See Also: GOOGLE, Athena, MinDAT, MinMax
Nigerite-6T * (see Ferronigerite-2N1S) See Also: GOOGLE, Athena, MinDAT, MinMax
Niggliite PtSn NAME ORIGIN: Named for Paul Niggli (1888-1953), Professor at Zurich, Switzerland.
Niigataite ! CaSrAl3(Si2O7)(SiO4)O(OH) NAME ORIGIN: Named for the locality. LOCALITY: Itoigawa-Ohmi district, Niigata Prefecture, central Japan.
Nikischerite ! NaFe++6Al3(SO4)2(OH)18(H2O)12 NAME ORIGIN: Named for Anthony (Tony) J. Nikischer (1949-), geologist (Excalibur Minerals) who discovered the mineral.
Nimesite * (see Brindleyite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nimite (Ni,Mg,Fe++)5Al(Si3Al)O10(OH)8 NAME ORIGIN: An acronym for the National Institute of Metallurgy of South Africa.
Ningyoite (U,Ca,Ce)2(PO4)2·1-2(H2O)
Niningerite (Mg,Fe++,Mn)S NAME ORIGIN: Named for Harvey Harlow Nininger (1887-1986), of Sedona Arizona, USA for his contributions to meteorite studies.
Niobite * (see Ferrocolumbite) See Also: GOOGLE, Athena, MinDAT, MinMax
Niobo-aeschynite-(Ce) (Ce,Ca)(Nb,Ti)2(O,OH)6 NAME ORIGIN: Named for its composition and from the Greek for "shame," in allusion to the inability of chemists, at the time of its discovery, to separate some of its constituents.
Niobo-aeschynite-(Nd) ! (Nd,Ce)(Nb,Ti)2(O,OH)6 NAME ORIGIN: Named for its composition and from the Greek for "shame," in allusion to the inability of chemists, at the time of its discovery, to separate some of its constituents.
Niobocarbide ! (Nb,Ta)C NAME ORIGIN: Named after its composition of Nb and C.
Niobokupletskite ! K2Na(Mn,Zn,Fe)7(Nb,Zr,Ti)2Si8O26(OH)4(O,F) NAME ORIGIN: Named as the Nb analog of kupletskite.
Niobophyllite K2Na(Fe++,Mn)7(Nb,Ti)2Si8O26(OH)4(F,O) NAME ORIGIN: Named for the niobium content and foliated character common to the astrophyllite group.
Niocalite Ca14Nb2(Si2O7)4O6F2 NAME ORIGIN: Named for its composition (Niobium, Calcium).
Nisbite NiSb2 NAME ORIGIN: Named for the composition, NIckel and SB, the chemical symbol for antimony.
Nissonite Cu2Mg2(PO4)2(OH)2·5(H2O)
Niter KNO3 NAME ORIGIN: Named derived from Herbraic neter, used in ancient times for alkaline salts extracted by water from vegetable ashes.
Nitratine NaNO3 NAME ORIGIN: Named after its composition of containing nitrates.
Nitratite * (see Nitratine) See Also: GOOGLE, Athena, MinDAT, MinMax
Nitre * (see Niter) See Also: GOOGLE, Athena, MinDAT, MinMax
Nitrobarite Ba(NO3)2

Nitrocalcite Ca(NO3)2·4(H2O)
Nitromagnesite Mg(NO3)2·6(H2O)
Nitronatrite * (see Nitratine) See Also: GOOGLE, Athena, MinDAT, MinMax
Nobleite CaB6O9(OH)2·3(H2O) NAME ORIGIN: Named for Levi F. Noble ( ), Geologist, USGS for his contributions to the geology of the Death Valley region.
Noelbensonite ! BaMn+++2(Si2O7)(OH)2·(H2O) NAME ORIGIN: For William Noel Benson (1855-1957), of the University of Otago, in recognition of his pioneering research in the Great Serpentine Belt and New England Fold Belt of New South Wales, Austr
Nolanite (V+++,Fe++,Fe+++,Ti)10O14(OH)2 NAME ORIGIN: Named for Thomas Brennan Nolan (1901-1992), formerly Director of the U. S. Geological Survey, Washington, D.C., USA.
Nontronite Na0.3Fe+++2(Si,Al)4O10(OH)2·n(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Nontrone, Dordogne, France.
Norbergite Mg3(SiO4)(F,OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Ostanmosoa iron mine, Norberg, Vastmanland, Sweden.
Nordenskioeldine * (see Nordenskioldine) See Also: GOOGLE, Athena, MinDAT, MinMax
Nordenskioldine CaSnB2O6 NAME ORIGIN: Named for Nils A. E. Nordenskiöld (1832-1901), Swedish mineralogist and Arctic explorer.
Nordite-(Ce) (Ce,La,Ca)(Sr,Ca)Na2(Na,Mn)(Zn,Mg)Si6O17 NAME ORIGIN: Analog to the La-dominant nordite-(La) which was named after the word for north because of its northern origin in the Lovozero Massif.
Nordite-(La) (Na,Mn)3(Sr,Ca)(La,Ce)(Zn,Mg)Si6O17 NAME ORIGIN: Named after the word for north because of its northern origin in the Lovozero Massif.
Nordstrandite Al(OH)3 NAME ORIGIN: Named for R. A. van Nordstrand (1817-), Sinclair Research Laboratories, who first synthesized the compound.
Nordstroemite * (see Nordstromite) See Also: GOOGLE, Athena, MinDAT, MinMax
Nordstromite Pb3CuBi7(S10Se4) NAME ORIGIN: Named for T. Nordstrom.
Normandite ! NaCa(Mn++,Fe++)(Ti,Nb,Zr)Si2O7(O,F)2 NAME ORIGIN: For Mr. Charles Normand (1963-), of Montreal, who discovered the mineral.
Norrishite K(Mn+++2Li)Si4O10(O)2 NAME ORIGIN: Named for Keith Norrish of the Division of Soils, Commonwealth Scientific and Industrial Research Organization, Australia.
Norsethite BaMg(CO3)2
Northupite Na3Mg(CO3)2Cl NAME ORIGIN: Named after C. H. Northup (b.1861), grocer, of San Jose, California, who found the first specimen.
Nosean Na8Al6Si6O24(SO4) NAME ORIGIN: Named after the German mineralogist, K. W. Nose (1753-1835).
Noselite * (see Nosean) See Also: GOOGLE, Athena, MinDAT, MinMax
Novacekite Mg(UO2)2(AsO4)2·12(H2O)
Novakite (Cu,Ag)21As10 NAME ORIGIN: Named for Jiri Novak (1902-1971), Czech mineralogist.
Novgorodovaite ! Ca2(C2O4)Cl2·2(H2O) NAME ORIGIN: Named for Margarita Ivanovna Novgorodova (1938-), director of the Fersman Mineralogical Museum, Moscow, Russia.
Nowackiite Cu6Zn3As4S12 NAME ORIGIN: Named for Werner Nowaki (1909-), University of Berne, Switzerland.
Nsutite (Mn++++1-x)(Mn++x)(O2-2x)(OH2x) where x = 0.06-0.07 NAME ORIGIN: Named for the locality. LOCALITY: Nsuta, Ghana.

Nuffieldite Pb2Cu(Pb,Bi)Bi2S7 NAME ORIGIN: Named for Edward W. Nuffield (1914-), Canadian mineralogist.
Nukundamite (Cu,Fe)4S4 NAME ORIGIN: Named for the locality. LOCALITY: Undu mine, Nukundamu, Fiji.
Nullaginite Ni2(CO3)(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Otway Belt, Nullagine district, WA, Australia.
Nyboite NaNa2(Mg3Al2)Si7AlO22(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Nybo pod, Nordfjord, Norway.
Nyerereite Na2Ca(CO3)2 NAME ORIGIN: Named after the president of Tanzania, Julius K. Nyerere (1922-).

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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O Index of Mineral Species

This alphabetical listing of **O minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
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?	IMA Discredited Mineral Species Name.

O'danielite * (see Odanielite) See Also: GOOGLE, Athena, MinDAT, MinMax

Obertiite ! ▲ NaNa2(Mg3Fe+++Ti)Si8O22(O,F,OH)2 NAME ORIGIN: Named for Dr. Roberta Oberti (1951-), Pavia, Italy, for her contributions to the understanding of the crystal chemistry of the amphibole group.

Oboyerite ▲ Pb6H6(Te++++O3)3(Te++++++O6)2·2(H2O) NAME ORIGIN: Named for O. (Oliver) Boyer, one of the men who first staked the Grand Central lode claim in the Tombstone district, Arizona, USA.

Obradovicite ▲ H4(K,Na)Cu++Fe+++2(AsO4)(MoO4)5·12(H2O) NAME ORIGIN: Named for Martin T. Obradovic, who provided the type material.

Obruchevite * (see Yttropyrochlore-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax

Octahedrite * (see Anatase) See Also: GOOGLE, Athena, MinDAT, MinMax

Odanielite ▲ Na(Zn,Mg)3H2(AsO4)3

Odinite ▲ (Fe+++,Mg,Al,Fe++,Ti,Mn)2.5(Si,Al)2O5(OH)4 NAME ORIGIN: Named for Gilles Serge Odin, clay mineralogist of the University P. And M. Curie, Paris,

France.
Odintsovite K2Na4Ca3Ti2Be4Si12O38 NAME ORIGIN: For Prof. M. M. Odintsova (1911-1979), a founder of the Institute of the Earth's Crust, Irkutsk.
Oellacherite * (see Ganterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Oenite ! CoSbAs NAME ORIGIN: For Prof. Dr. Ing Soen Oen (1928-1996), Professor of Petrology, Mineralogy and Ore Geology at the University of Amsterdam.
Oerebroite * (see Orebroite-III) See Also: GOOGLE, Athena, MinDAT, MinMax
Oerebroite * (see Orebroite-VIII) See Also: GOOGLE, Athena, MinDAT, MinMax
Offretite (K2,Ca,Mg)2.5Al5Si13O36·15(H2O) NAME ORIGIN: Named for Albert Jules Joseph Offret (1857-?), professor in the Faculty of Sciences, Lyon, France.
Ogdensburgite Ca2(Zn,Mn)Fe+++4(AsO4)4(OH)6·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Sterling Hill mine, Ogdensburg, New Jersy, USA.
Ohmilite Sr3(Ti,Fe+++)(Si2O6)2(O,OH)·2-3(H2O)
Ojuelaite ZnFe+++2(AsO4)2(OH)2·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Ojuela mine, Mapimi, Durango, Mexico.
Okanoganite-(Y) (Na,Ca)3(Y,Ce)12Si6B2O27F14 NAME ORIGIN: Named for the locality. LOCALITY: Golden Horn Batholith, near Washington Pass, Okanongan County, Washington.
Okayamalite ! Ca2B2SiO7 NAME ORIGIN: Named after it's locality. LOCALITY: The Fuka mine, Bicchu-cho, Okayama Prefecture, Japan.
Okenite Ca3[Si6O15]·6(H2O) NAME ORIGIN: Named for Lorenz Oken (1779-1851), German natural historian, Munich Germany.
Okhotskite-(Mg) * Ca3(Mg,Mn++)(Mn+++,Al,Fe+++)(SiO4)(Si2O7)(OH)2·(H2O) NAME ORIGIN: Named in 1987 by Togari and Akasaka for the Sea of Okhotsk, along which the mine is located.
Okhotskite-(Mn++) Ca2(Mn++,Mg)(Mn+++,Al,Fe+++)Si3O10(OH)4 NAME ORIGIN: Named in 1987 by Togari and Akasaka for the Sea of Okhotsk, along which the mine is located.
Oldhamite (Ca,Mg,Fe)S NAME ORIGIN: Named for Thomas Oldham (1816-1878), Director of the Indian Geologial Survey (185o-1876).
Olekminskite Sr(Sr,Ca,Ba)(CO3)2
Olenite ! NaAl3Al6(BO3)3(Si6O18)(O,OH)4 NAME ORIGIN: Named for the locality. LOCALITY: Decembrist pegmatite field, Olenik River Basin, Russia.
Olenite - (61.3.1.7) * (see Olenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Olgite Na(Sr,Ba)PO4 NAME ORIGIN: Named for Olga Anisimovne-Vorobiova (1902-1974), Russian mineralogist.
Olgite-Ba * (see Bario-olgite) See Also: GOOGLE, Athena, MinDAT, MinMax
Oligoclase (Na,Ca)(Si,Al)4O8 NAME ORIGIN: From the Greek, oligos and kasein, "little cleavage."
Olivenite Cu2AsO4(OH) NAME ORIGIN: From the German olivernerz, literally "olive" ore, in allusion to its typical color.
Olivine * (Mg,Fe)2SiO4 NAME ORIGIN: Named after the green color.
Olivine * (see Forsterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Olkhonskite (Cr+++,V+++)2Ti3O9 NAME ORIGIN: For the locality. LOCALITY: On the western shore of Lake Baikal, 4.5 km south of the Olkhon Island, Russia.
Olmsteadite KFe++2(Nb,Ta)(PO4)2O2·2(H2O) NAME ORIGIN: Named for

Milo Olmstead, micromount mineral collector, Rapid City, South Dakota, USA.
Olsacherite Pb2(SeO4)(SO4) NAME ORIGIN: Named for Juan A. Olsacher (1903-1964), Argentine mineralogist, University of Cordoba.
Olshanskyite Ca2[B3O3(OH)6]OH·3(H2O) NAME ORIGIN: Named for Yakov I. Olshansky (1912-1958), Russian geochemist.
Olympite LiNa5(PO4)2
Omeiite (Os,Ru)As2 NAME ORIGIN: Named for the locality. LOCALITY: Danba, Omeishan Mt, Sichuan (Szechuan), China,
Ominelite ! (Fe++,Mg)Al3BSiO9 NAME ORIGIN: Named after the locality. LOCALITY: Omine Mountains near the misen River at Tenkawa, Yoshio, Nara Prefecture, Japan.
Omphacite (Ca,Na)(Mg,Fe++,Al)Si2O6 NAME ORIGIN: From the Greek for "unripe grapes", in allusion to its green color.
Oneillite ! Na15Ca3Mn3Fe++3Zr3Nb(Si25O73)(O,OH,H2O)3(OH,Cl)2 NAME ORIGIN: Named after John Johnston O'Neill (1886-1966), geologist with the Geological Survey of Canada, Ottawa, and later, Professor of geology, Dean of Science and Dean of Engineering at McGill U
Onofrite(Se) * (see Metacinnabar) See Also: GOOGLE, Athena, MinDAT, MinMax
Onoratoite Sb8O11Cl2 NAME ORIGIN: Named for Ettore Onorato (1899-1971), Italian mineralogist, University of Rome, Italy.
Oosterboschite (Pd,Cu)7Se3 NAME ORIGIN: Named for M. R. Oosterbosch, (1908-), Belgian mining engineer.
Opal SiO2·n(H2O) NAME ORIGIN: From the Old Indian upala - "precious stone."
Orange bornite * (see Renierite) See Also: GOOGLE, Athena, MinDAT, MinMax
Orangite * (see Thorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Orcelite Ni5-xAs2 (x=0.23) NAME ORIGIN: Named for Jean Orcel (1896-1978), French mineralogist.
Ordonezite ZnSb2O6 NAME ORIGIN: Named for Ezequiel Ordonez (1867-1950), Mexican geologist.
Orebroite-III Mn++6(Fe+++,Sb+++++)2Si2(O,OH)14 NAME ORIGIN: Named for the locality. LOCALITY: Sjogruvan, Grythyttan, Orebro, Sweden.
Orebroite-VIII Mn++3(Sb+++++,Fe+++)SiO4(O,OH)3 NAME ORIGIN: Named for the locality. LOCALITY: At the Sjo mine, near Grythyttan, Orebro, Sweden.
Oregonite Ni2FeAs2 NAME ORIGIN: Named for the state of Oregon, USA.
Organovaite-Mn ! K2Mn(Nb,Ti)4(Si4O12)2(O,OH)4·6(H2O) NAME ORIGIN: Named for Natalia Ivanovna Organova (1929-), Russian crystallographer and the Mn end-member.
Organovaite-Zn ! K2Zn(Nb,Ti)4(Si4O12)2(O,OH)4·6(H2O) NAME ORIGIN: Named for Natalia Ivanovna Organova (1929-), Russian crystallographer and the Zn end-member.
Orickite CuFeS2·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Coyote Peak diatreme, 16 miles SW of Orick, Santa Cruz Co., California.
Orientite Ca2Mn++Mn+++2Si3O10(OH)4 NAME ORIGIN: Named after its locality. LOCALITY: Oriente Province, Cuba.
Orlandiite ! Pb3(Cl,OH)4(SeO3)·(H2O) NAME ORIGIN: Named for mineralogist Paolo Orlandi (1946-) of the University of Pisa, Italy.
Orlymanite Ca4Mn++3Si8O20(OH)6·2(H2O) NAME ORIGIN: Named for Orlando P. Lyman (1903-1986), founder of Lyman House Memorial Museum, Hilo,

Hawaii.
Oro * (see Gold) See Also: GOOGLE, Athena, MinDAT, MinMax
Orpheite PbAl3(PO4,SO4)2(OH)6 (?)
Orpiment As2S3 NAME ORIGIN: From the Latin, auripigmentum, in allusion to the vivid golden hue.
Orschallite Ca3(SO3)2SO4·12(H2O)
Orthite * (see Allanite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthite * (see Allanite-(La)) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthite * (see Allanite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthoantigorite * (see Lizardite) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthobrannerite U++++U++++++Ti4O12(OH)2
Orthobrannerite * (see Brannerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthochamosite (Fe++,Mg,Fe+++)5Al(Si3Al)O10(OH,O)8 NAME ORIGIN: Named as the orthorhombic analogue of chamosite.
Orthochevkinite * (Ce,La,Ca,Na,Th)4(Fe++,Mg)2(Ti,Fe+++)3Si4O22 NAME ORIGIN: Named as a possible orthorhombic form of chevkinite.
Orthochrysotile Mg3Si2O5(OH)4 NAME ORIGIN: From the orthorhombic crystal symmetry and Greek chrysos - "gold" and tilos - "fiber."
Orthoclase KAlSi3O8 NAME ORIGIN: From the Greek orthos - "right" and kalo -" I cleave" in allusion to the mineral's right angle of good cleavage.
Orthoenstatite * (see Enstatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthoericssonite BaMn2(Fe+++O)Si2O7(OH)
Orthoferrosilite * (see Ferrosilite) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthojoaquinite-(Ce) NaFe++Ba2Ce2Ti2[Si4O12]2 O2(OH) ·(H2O) NAME ORIGIN: Named after its orthorhombic crystal structure and the relationship to joaquinite (named for Joaquin Ridge, Diablo Range, California, USA).
Orthojoaquinite-(La) ! Ba2Na(La,Ce)2Fe++Ti2Si8O26(OH,O,F) ·H2O NAME ORIGIN: Named as the La analog of orthojoaquinite.
Orthominasragrite ! VO(SO4) ·5(H2O) NAME ORIGIN: Named for the polymorphic relationship to minasragrite.
Orthopinakiolite (Mg,Mn++)2Mn+++BO5
Orthose * (see Orthoclase) See Also: GOOGLE, Athena, MinDAT, MinMax
Orthoserpierite Ca(Cu,Zn)4(SO4)2(OH)6·3(H2O) NAME ORIGIN: Named for its stuctural rellationship to serpierite.
Orthowalpurgite (UO2)Bi4O4(AsO4)2·2(H2O) NAME ORIGIN: It is an orthorhombic polymorph of walpurgite.
Osarizawaite PbCuAl2(SO4)2(OH)6 NAME ORIGIN: Named for the locality. LOCALITY: Osarizawa mine, Akita Prefecture, Japan.
Osarsite (Os,Ru)AsS NAME ORIGIN: Named after it's chemical composition of osmium and arsenic.
Osbornite TiN NAME ORIGIN: For George Osborn, who sent to London the meteorite in which the species was found.
Osmiridium * (see Iridium) See Also: GOOGLE, Athena, MinDAT, MinMax
Osmium (Os,Ir) NAME ORIGIN: Named for the principle element in the composition.
Osumilite * (see Osumilite-(Fe)) See Also: GOOGLE, Athena, MinDAT, MinMax
Osumilite-(Fe) (K,Na)(Fe++,Mg)2(Al,Fe+++)3(Si,Al)12O30 NAME ORIGIN: Named for the locality. LOCALITY: Historic province of Osumi in Sakkabira, Kyushu, Japan.

Osumilite-(Mg) (K,Na)(Mg,Fe++)2(Al,Fe+++)3(Si,Al)12O30 NAME ORIGIN: Named for the locality and the composition. LOCALITY: Historic province of Osumi in Sakkabira, Kyushu, Japan.
Oswaldpeetersite ! (UO2)2CO3(OH)2·4(H2O) NAME ORIGIN: Named for Maurice Oswald Peeters (1945-), structural crystallographer at the University of Leuven, Belgium.
Otavite CdCO3 NAME ORIGIN: Named after its locality. LOCALITY: Tsumeb, near Otavi (Namibia).
Otjisumeite PbGe4O9 NAME ORIGIN: Named for the Herrero tribe name of the locality, Tsumeb. LOCALITY: Tsumeb mine, Namibia.
Ottemannite Sn2S3 NAME ORIGIN: Named for J. Ottemann, German mineralogist, Heidelberg, Germany.
Ottrelite (Mn,Fe++,Mg)2Al4Si2O10(OH)4 NAME ORIGIN: Named for the locality. LOCALITY: In Belgium, in the Ardennes Mountains, from Ottre, Salmchateau, and Veilsalm.
Otwayite Ni2(CO3)(OH)2·(H2O) NAME ORIGIN: Named after Charles Albert Otway (1922-), miner and prospector of Cosnells, WA, Australia.
Oulankaite ! (Pd,Pt)5(Cu,Fe)4SnTe2S2 NAME ORIGIN: Named after the Oulanka river, which is near the occurrence.
Oulongaite * (see Oulankaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ourayite Pb4Ag3Bi5S13 NAME ORIGIN: Named for the locality. LOCALITY: Old Lout mine, Ouray, Colorado. USA.
Oursinite (Co,Mg)(H3O)2[(UO2)SiO4]2·3(H2O) NAME ORIGIN: Named from the French "oursin", sea urchin, in allusion to the radiating habit of the acicular crystals.
Ovamboite ! Cu20(Fe,Cu,Zn)6W2Ge6S32 NAME ORIGIN: Named for the locality. LOCALITY: Tsumeb deposit, Ovamboland, Namibia, and (2) the Maikain deposit, Kazakhstan.
Overite CaMgAl(PO4)2(OH)·4(H2O)
Owensite (Ba,Pb)6(Cu,Fe,Ni)25S27 NAME ORIGIN: For DeAlton R. Owens (1934-), Canada Centre for Mineral and energy Technology.
Owyheeite Pb7Ag2(Sb,Bi)8S20 NAME ORIGIN: Named after its locality. LOCALITY: Poorman Mine, Silver City district, Owyhee County, Idaho, USA.
Oxammite (NH4)2(C2O4)·(H2O)
Oxiberaunite * (Fe+++,Mn+++)Fe+++5(PO4)4O(OH)4·6(H2O)
Oxyberaunite * (see Beraunite) See Also: GOOGLE, Athena, MinDAT, MinMax
Oxyhornblende * (see Ferrohornblende) See Also: GOOGLE, Athena, MinDAT, MinMax
Oxyhornblende * (see Ferrokaersutite) See Also: GOOGLE, Athena, MinDAT, MinMax
Oxyjulgoldite * (see Julgoldite-(Fe+++)) See Also: GOOGLE, Athena, MinDAT, MinMax
Oxykertschenite * (see Metavivianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Oxypetscheckite * (see Petscheckite) See Also: GOOGLE, Athena, MinDAT, MinMax
Oyelite Ca10B2Si8O29·12(H2O) NAME ORIGIN: Named for Jiro Oye (1900-1968), professor of mineralogy, Okayama University, Japan.

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P Index of Mineral Species

This alphabetical listing of **P minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
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?	IMA Discredited Mineral Species Name.

P Veatchite * (see Veatchite-p) See Also: GOOGLE, Athena, MinDAT, MinMax

Paakkonenite ▲ Sb_2AsS_2 NAME ORIGIN: Named for Viekko Paakkonen, who studied the ore deposits of the region.

Paarite ! ▲ $Cu_{1.7}Pb_{1.7}Bi_{6.3}S_{12}$ NAME ORIGIN: Named for. W. Paar (Salzburg) of the University of Copenhagen and the University of Salzburg.

Pabstite ▲ $Ba(Sn,Ti)Si_3O_9$ NAME ORIGIN: Named for Adolph Pabst (1899-1990), American mineralogist, University of California at Berekey

Paceite ! ▲ $CaCu(CH_3COO)_4 \cdot 6(H_2O)$ NAME ORIGIN: Named for Frank L Pace (1948-), who discovered the mineral.

Pachnolite + ▲ $NaCaAlF_6 \cdot (H_2O)$

Paderaite ▲ $AgPb_2Cu_6Bi_{11}S_{22}$ NAME ORIGIN: Named for K. Padera, Charles University, Prague, Czechoslovakia.

Padmaite ▲ PdBiSe

Paganoite ! ▲ $(Ni,Co)BiAsO_5$ NAME ORIGIN: Named for Renato (1938-) and

Adriana (1939-) Pagano, amateur mineralogists from Cinisello, Milan, Italy.
Pahasapaite Li8(Ca,Li,K,Na)11Be24(PO4)24·38(H2O) NAME ORIGIN: From Pahasapa, the Lakota Sioux word for Black Hills, South Dakota, USA.
Painite CaZrB[Al9O18] NAME ORIGIN: Named for A. C. D. Pain (-1971), British gem collector who first noticed the mineral.
Palarstanide Pd8(Sn,As)3 NAME ORIGIN: Named for its composition (Palladium, Arsenic, Stannum(tin)).
Palenzonaite (Ca,Na)3Mn++(V+++++,As+++++,Si)3O12 NAME ORIGIN: Named for Andrea Palenzona, amateur mineralogist and discoverer of the mineral.
Palermoite (Sr,Ca)(Li,Na)2Al4(PO4)4(OH)4 NAME ORIGIN: Named for the locality. LOCALITY: Palermon No. 1 mine, North Groton, New Hampshire, USA.
Palladium Pd,Pt NAME ORIGIN: After the asteroid "Pallas"
Palladoarsenide Pd2As NAME ORIGIN: Named for the composition.
Palladobismutharsenide Pd2(As,Bi) NAME ORIGIN: Named for the composition (Pd, Bi, As).
Palladodymite ! (Pd,Rh)2As NAME ORIGIN: From (pallad)ium and the Greek for twin as it is the palladium-dominat analogue of rhodarsenide.
Palladseite Pd17Se15 NAME ORIGIN: Named for the composition, PALLADium and SElenium.
Palmierite (K,Na)2Pb(SO4)2
Palygorskite (Mg,Al)2Si4O10(OH)·4(H2O) NAME ORIGIN: Named after a deposit in the Ural Mountains, Russia.
Panasqueiraite CaMg(PO4)(OH,F)
Pandaite * (see Bariopyrochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Pandaite * (see Kesterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pandermite * (see Priceite) See Also: GOOGLE, Athena, MinDAT, MinMax
Panethite (Na,Ca,K)2(Mg,Fe++,Mn)2(PO4)2 NAME ORIGIN: Named for Friedrich Adolph Paneth (1887-1958), director of the Max-Planck Institute of Chemistry, Mainz, Germay.
Panunzite (K,Na)AlSiO4
Paolovite Pd2Sn NAME ORIGIN: Named for the composition, PAlladium and OLOVo, tin (in russian).
Papagoite CaCuAlSi2O6(OH)3 NAME ORIGIN: Named after the papago indian tribe, Arizona, USA.
Para-alumohydrocalcite CaAl2(CO3)2(OH)4·6(H2O) NAME ORIGIN: Named after its relationship with alumohydrocalcite.
Parabariomicrolite BaTa4O10(OH)2·2H20
Parabrandtite Ca2Mn++(AsO4)·2(H2O) NAME ORIGIN: Named for its dimorphic relationship to brandtite.
Parabutlerite Fe+++(SO4)(OH)·2(H2O) NAME ORIGIN: Named from the Greek para, and it's dimorph, bulterite,
Paracelsian BaAl2Si2O8
Parachrysotile Mg3Si2O5(OH)4 NAME ORIGIN: Named for the crystal structure and the relationship to chrysotile which is from the Greek chrysos - "gold" and tilos - "fiber."
Paracoquimbite Fe+++2(SO4)3·9(H2O)
Paracostibite CoSbS NAME ORIGIN: Named for the chemical composition and probable structural relationship to pararammelsbergite.

Paradamite Zn2(AsO4)(OH) NAME ORIGIN: Named as the dimorph of adamite.
Paradocrasite Sb2(Sb,As)2 NAME ORIGIN: Named from the Greek for "unexpected alloy"
Parafransoletite Ca3Be2(PO4)2(PO3,OH)2·4(H2O) NAME ORIGIN: Named for it's dimorphous relatinship with fransoltite.
Paragonite NaAl2(Si3Al)O10(OH)2 NAME ORIGIN: Named from the Greek for "to mislead", in allusion to its originally having been mistaken for talc.
Paraguanajuatite Bi2(Se,S)3 NAME ORIGIN: Named for the supposed relationship to guanajuatite.
Parahopeite Zn3(PO4)2·4(H2O) NAME ORIGIN: Named for it's dimorphic relationship to hopeite.
Parajamesonite Pb4FeSb6S14 NAME ORIGIN: Named as a dimorph of jamesonite.
Parakeldyshite Na2ZrSi2O7
Parakhinite Cu++3PbTe++++++O4(OH)6 NAME ORIGIN: Named in allusion to its dimorphous relationship to khinite.
Parakuzmenkoite-Fe ! (K,Ba)2Fe(Ti,Nb)4(Si4O12)2(O,OH)4·7(H2O) NAME ORIGIN: Named as the Fe-dominant analog of kuzmenkoite-Mn with a doubled c-axis.
Paralabuntsovite-Mg ! Na8K8Mg8Ti16(Si4O12)8(O,OH)16·n(H2O)
Paralaurionite PbCl(OH) NAME ORIGIN: Named from its similarity to laurionite.
Paralstonite BaCa(CO3)2
Paramelaconite Cu+2Cu++2O3
Paramendozavilite NaAl4Fe+++7(PO4)5(P+++++Mo++++++12O40)(OH)16·56(H2O) NAME ORIGIN: Named for the similarity to mendozavilite.
Paramontroseite VO2
Paranatisite Na2[TiO(SiO4)] NAME ORIGIN: From the Greek para, for near, and its relation to natisite.
Paranatrolite Na2[Al2Si3O10]·3(H2O) NAME ORIGIN: The name given in 1980 recognizes its association with and similarity in chemical composition to natrolite.
Paraniite-(Y) Ca2Y(AsO4)(WO4)2
Paraotwayite Ni(OH)2-x(SO4,CO3)0.5x x=.5 NAME ORIGIN: Named for its close physical and chemical resemblance to otwayite.
Parapierrotite Tl(Sb,As)5S8 NAME ORIGIN: Named for its relationship to pierrotite.
Pararammelsbergite NiAs2 NAME ORIGIN: From the Greek, para -"similar" and the mineral Rammelsbergite named after the German chemist and mineralogist, K. F. Rammelsberg (1813-1899).
Pararealgar AsS NAME ORIGIN: Named for its chemical identity with realgar.
Pararobertsite Ca2Mn+++3(PO4)3O2·3(H2O)
Pararsenolamprite ! As NAME ORIGIN: Named for the dimorphous relationship with arsenolamprite.
Paraschachnerite Ag3Hg2 NAME ORIGIN: Named for its relationship to schachnerite.
Paraschoepite UO3·2(H2O) (?) NAME ORIGIN: Named as a polymorph of

schoepite.
Parascholzite CaZn2(PO4)2·2(H2O) NAME ORIGIN: Named for its dimorphic relationship to scholzite.
Parascorodite ! Fe+++AsO4·2(H2O) NAME ORIGIN: From Gk. para, near, and scorodite, with which it has a dimorphic relationship.
Parasibirskite ! Ca2B2O5·(H2O) NAME ORIGIN: For it's relationship to sibirskite.
Paraspurrite Ca5(SiO4)2(CO3) NAME ORIGIN: Named because of it's similarity to spurrite.
Parasymplesite Fe++3(AsO4)2·8(H2O) NAME ORIGIN: Named from the Greek "to bring together", in allusion to its relations to other minerals. Dimorphous with symplesite.
Paratacamite (Cu,Zn)2(OH)3Cl NAME ORIGIN: Named for the dimorphous relationship with atacamite.
Paratacamite * (see Atacamite) See Also: GOOGLE, Athena, MinDAT, MinMax
Paratellurite TeO2 NAME ORIGIN: Named for it's dimorphous relationship with tellurite.
Paratsepinite-Ba ! (Ba,Na,K)2-x(Ti,Nb)2(Si4O12)(OH,O)2·4(H2O) NAME ORIGIN: Named for the relationship to tsepinite-Na.
Paratsepinite-Na ! (Na,Sr,K,Ca)7(Ti,Nb)8[Si4O12]4(O,OH)8·n(H2O) n ~ 8 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Paraumbite K3Zr2HSi6O18·n(H2O) n=3 to 7 NAME ORIGIN: Named for the close structural similarity to umbite.
Paravauxite Fe++Al2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named for the chemical similarity to vauxite. Polymorph of metavauxite.
Paravinogradovite ! (Na,[ ])2(Ti,Fe+++)4(Si2O6)2(Si3AlO10)(OH)4·H2O NAME ORIGIN: Named for the relationship to vinogradovite.
Parawollastonite * (see Wollastonite-2M) See Also: GOOGLE, Athena, MinDAT, MinMax
Pargasite NaCa2(Mg,Fe++)4Al(Si6Al2)O22(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Pargas, Finland.
Pargasite-K * (see Potassicpargasite) See Also: GOOGLE, Athena, MinDAT, MinMax
Parisite-(Ce) Ca(Ce,La)2(CO3)3F2 NAME ORIGIN: Named for J. J. Paris, mine proprietor at Muzo, north of Bogota, Columbia.
Parisite-(Nd) Ca(Nd,Ce,La)2(CO3)3F2 NAME ORIGIN: Named as the Nd-rich end member of the parisite series, named for J. J. Paris, mine proprietor at Muzon, north of Bogota, Columbia.
Parkerite Ni3(Bi,Pb)2S2 NAME ORIGIN: Named for Robert Luling Parker (1893-1973), Zurich, Switzerland.
Parkinsonite (Pb,Mo,[ ])8O8Cl2 NAME ORIGIN: Named after Reginald F. D. Parkinson, English mineral collector from Somerset.
Parnauite Cu9(AsO4)2(SO4)(OH)10·7(H2O) NAME ORIGIN: Named for John L. Parnau (1906-1990), U.S. Mineral collector who discovered the mineral.
Parsettensite (K,Na,Ca)(Mn,Al)7Si8O20(OH)8·2(H2O) (?) NAME ORIGIN: Named after its locality. LOCALITY: Parsettens Alp, Val d'Err, Grisons, Switzerland.
Parsonsite Pb2(UO2)(PO4)2·2(H2O) NAME ORIGIN: Named for Arthur Leonard Parsons (1873-1957), mineralogist, University of Toronto, Canada.
Partheite Ca2Al4Si4O15(OH)2·4(H2O) NAME ORIGIN: Named for Erwin Parthe (1928-), crystallographer at the University of Geneva.
Partzite Cu2Sb2(O,OH)7 (?) NAME ORIGIN: Named for A. F. W. Partz, who

discovered the mineral.
Parvowinchite ▲ Na(NaMn++)(Mg4Fe+++)Si8O22(OH)2 NAME ORIGIN: Renamed IMA 1997 as the Mn analog of cummintonite, Formerly Tirodite which was named after its locality. LOCALITY: Tirodi, Madhya Pradesh, India.
Parwelite ▲ (Mn,Mg)5Sb(As,Si)2O12 NAME ORIGIN: Named for Alexander Parwel, Swedish chemist, Swedish National History Museum, Stockholm, Sweden.
Pascoite ▲ Ca3V10O28·17(H2O) NAME ORIGIN: Named for the locality LOCALITY: Minasragra, Pasco Province, Peru.
Patronite ▲ VS4 NAME ORIGIN: Named for Antenor Rizo-Patron, Peruvian engineer, discoverer of the Peruvian occurrence.
Paulingite * (see Paulingite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Paulingite-Ca ! ▲ (Ca,K,Na,Ba)5[Al10Si35O84]·34(H2O) NAME ORIGIN: Named after Linus Carl Pauling (1901-1994), professor of chemistry, California Institute of Technology, Pasadena, CA, USA.
Paulingite-K ▲ (K2,Ca,Na2,Ba)5Al10Si35O90·45(H2O) NAME ORIGIN: Named after Linus Carl Pauling (1901-1994), professor of chemistry, California Institute of Technology, Pasadena, CA, USA. K modifier added by zeolite nomenclature committee.
Paulingite-Na ! ▲ (Na2,K2,Ca,Ba)5Al10Si35O90·45(H2O) NAME ORIGIN: Named after Linus Carl Pauling (1901-1994), professor of chemistry, California Institute of Technology, Pasadena, CA, USA. Named as the Na-dominant member ot the paulingite series.
Paulkellerite ▲ Bi2Fe+++(PO4)O2(OH)2
Paulkerrite ▲ K(Mg,Mn)2(Fe+++,Al)2Ti(PO4)4(OH)3·15(H2O) NAME ORIGIN: Named after Paul Francis Kerr (1897-1981), Professor of Mineralogy, Columbia University, New York City, New York, USA.
Paulmooreite ▲ Pb2As+++2O5
Pavonite ▲ (Ag,Cu)(Bi,Pb)3S5 NAME ORIGIN: Named from the Latin "pavo", peacock, which honored Professor Martin Alfred Peacock (1898-1950), a Canadian mineralogist.
Paxite ▲ CuAs2 NAME ORIGIN: Named from the Latin "pax" for peace.
PDF 20-1390 * (see Winchite)
Pearceite ▲ Ag16As2S11 NAME ORIGIN: Named after the American chemist, R. Pearce (1837-1927).
Pecoraite ▲ Ni3Si2O5(OH)4
Pectolite ▲ NaCa2Si3O8(OH) NAME ORIGIN: From the Greek pektos - "compacted" and lithos - "stone."
Pehrmanite * (see Ferrotaaffeite-6N3S) See Also: GOOGLE, Athena, MinDAT, MinMax
Peisleyite ▲ Na3Al16(SO4)2(PO4)10(OH)17·20(H2O) NAME ORIGIN: Named for Vincent Peisley (1941-), Australian mineral collector who found the mineral.
Pekoite ▲ PbCuBi11(S,Se)18 NAME ORIGIN: Named for its locality. LOCALITY: Peko mine, Tennant Creek, Australia.
Pekovite ! ▲ SrB2Si2O8 NAME ORIGIN: Named for Igor Viktorovich Pekov (1967-), Russian mineralogist and alkaline rock expert.
Pellouxite ! ▲ (Cu,Ag)Pb10Sb12S27(Cl,S)0.6O NAME ORIGIN: Named for Alberto Pelloux (1868-1948), curator of the mineralogical Museum at the University of Genova.
Pellyite ▲ Ba2Ca(Fe++,Mg)2Si6O17 NAME ORIGIN: Named for the locality. LOCALITY: Pelly and Ross River, Yukon Territories, Canada.

Pendletonite * (see Karpatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Penfieldite Pb2Cl3(OH) NAME ORIGIN: Named for Samuel L. Penfield (1856-1905), American mineralogist and mineral chemist.
Pengzhizhongite-24R * (see Magnesionigerite-6N6S) See Also: GOOGLE, Athena, MinDAT, MinMax
Pengzhizhongite-6H * (see Magnesionigerite-2N1S) See Also: GOOGLE, Athena, MinDAT, MinMax
Pengzhizhongite-6T * (see Magnesionigerite-2N1S) See Also: GOOGLE, Athena, MinDAT, MinMax
Penikisite BaMg2Al2(PO4)3(OH)3 NAME ORIGIN: Named for Gunar Penikis (1936-1979), who discovered the locality. LOCALITY: Rapid Creek (Cross Cut Creek), Big fish River, Yukon Territory, Canada.
Penkvilksite Na4(Ti++++,Zr)2[Si8O22]·4(H2O) NAME ORIGIN: Named from the Lapp "penk" and "vilkis", white and curly in allusion to its appearance.
Pennantite Mn5Al(Si3Al)O10(OH)8
Pennine * (see Clinochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Penninite * (see Clinochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Penobsquisite ! Ca2Fe++[B9O13(OH)6]Cl·4(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Potash Corporation of Saskatchewan (New Brunswick Division) mine at Penobsquis, Kings County, New Brunswick, Canada.
Penroseite (Ni,Co,Cu)Se2 NAME ORIGIN: Named for Richard Alexander Fullerton Penrose, Jr. (1863-1931), American economic geologist, of Philaelphia, Pennsylvania, USA.
Pentagonite Ca(VO)Si4O10·4(H2O) NAME ORIGIN: Named from the Greek, penta, "five" and angle in allusion to the fiveling twins common in this species.
Pentahydrite MgSO4·5(H2O) NAME ORIGIN: Named from the Greek, penta, "five" and hydros "water" in allusion to the 5 water molecules in the formula.
Pentahydroborite CaB2O(OH)6·2(H2O) NAME ORIGIN: Named for the composition.
Pentlandite (Fe,Ni)9S8 NAME ORIGIN: Named after the Irish natural historian, J. B. Pentland (1797-1873).
Penwithite * (see Neotocite) See Also: GOOGLE, Athena, MinDAT, MinMax
Penzhinite (Ag,Cu)4Au(S,Se)4 NAME ORIGIN: Named for the locality. LOCALITY: Penzhina River, near the Kamchatka Peninsula, Russia.
Peprossiite-(Ce) (Ce,La)(Al3O)2/3B4O10 NAME ORIGIN: Named for Giuseppe "PEP" = Rossi (1938-1990), Italian crystallographer and mineralogist.
Percleveite-(Ce) ! (Ce,La,Nd)2Si2O7 NAME ORIGIN: Named for Per Theodor Cleve (1840-1905), discoverer of Holmium (Ho) and Thulium (Tm).
Percylite * (see Boleite) See Also: GOOGLE, Athena, MinDAT, MinMax
Percylite * (see Pseudoboleite) See Also: GOOGLE, Athena, MinDAT, MinMax
Peretaite CaSb+++4O4(OH)2(SO4)2·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Pereta, Tuscany, Italy.
Perhamite Ca3Al7(SiO4)3(PO4)4(OH)3·16.5(H2O) NAME ORIGIN: Named for Frank C. Perham (1934-), U.S. Geologist and pegmatite miner.
Periclase MgO NAME ORIGIN: From the Greek peri - "around" and klao - "to cut."
Peridot * (see Forsterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Peridot * (see Olivine) See Also: GOOGLE, Athena, MinDAT, MinMax
Perite PbBiO2Cl
Perlialite K8TI4Al12Si24O72·20(H2O) NAME ORIGIN: Named after Lily

Alekseevna Perekrest, teacher of mineralogy at the Kirovsk Mining Technical School

Perloffite Ba(Mn,Fe++)2Fe+++2(PO4)3(OH)3 NAME ORIGIN: Named for Louis Perloff (1907-), American lawyer and collector of microscopic minerals.

Permanganogrunerite ! [ ]Mn4(Fe++)3(Si8O22)(OH)2

Permingeatite Cu3SbSe4 NAME ORIGIN: Named for Francois Permingeat (1917-1988), mineralogist, University of Toulouse, France.

Perofskite * (see Perovskite) See Also: GOOGLE, Athena, MinDAT, MinMax

Perovskite CaTiO3 NAME ORIGIN: Named after the Russian mineralogist, L. A. Perovski (1792-1856).

Perraultite (Na,Ca)2(Ba,K)2(Mn++,Fe++)8(Ti,Nb)4Si8O32(OH,F,O)6 NAME ORIGIN: Named for Guy Perault (1937-) of Ecole Polytechnique, Montreal, Canada.

Perrierite-(Ce) (Ce,La,Ca)4(Fe++,Mg)2(Ti,Fe+++)3Si4O22 NAME ORIGIN: Named for Carlo Perier (1886-1948), Italian mineralogist.

Perroudite Hg5-xAg4+xS5-x(Cl,I,Br)4+x NAME ORIGIN: Named for Pierre Perroud, Professor at Voltaire College, Geneva, Switzerland, for his work on Cap-Garonne minerals.

Perryite (Ni,Fe)8(Si,P)3

Pertsevite ! Mg2(BO3)F NAME ORIGIN: After Nikolai Nikolayewich Pertsev (b. 1930), IGEM, Moscow, in recognition of his work on boron minerals and deposits.

Petalite LiAlSi4O10 NAME ORIGIN: From the Greek petalon - "leaf" in allusion to the perfect basal cleavage.

Petarasite Na5Zr2Si6O18(Cl,OH)·2(H2O) NAME ORIGIN: Named for Peter Tarasoff, amateur mineralogist, Dollard-des-Ormeaux, Quebec, Canada.

Petedunnite Ca(Zn,Mn++,Fe++,Mg)Si2O6 NAME ORIGIN: Named for Pete J. Dunn, Department of Mineral Sciences, Smithsonian Institution, Washington D. C., USA.

Peterbaylissite Hg+3(CO3)(OH)·2(H2O) NAME ORIGIN: For Dr. Peter Bayliss, Prof. emeritus of Mineralogy, Department of Geology and Geophysics, University of Calgary, Alberta, Canada.

Petersenite-(Ce) (Na,Ca)4(Ce,La,Nd)2(CO3)5 NAME ORIGIN: Named for Ole Valdemar Petersen (1939-), Curator, Geology Museum, Copenhagen, Denmark.

Petersite-(Y) (Y,Ce,Nd,Ca)Cu6(PO4)3(OH)6·3(H2O) NAME ORIGIN: Named for Thomas A. Peters (1947-) and Joseph Peters (1951-), curators of minerals at the Paterson, New Jersey museum and the American Museum of Natural History, New York, respectively.

Petewilliamsite ! (Ni,Co,Cu)30(As2O7)15 NAME ORIGIN: Named for Peter (Pete) Allan Williams (b. 1950), Professor, Minerals and Materials Group, School of Science, Food and Horticulture, University of Western Sydney, Penrith South DC, New Sou

Petitjeanite Bi+++3(PO4)2O(OH)

Petrovicite PbHgCu3BiSe5 NAME ORIGIN: Named for the locality. LOCALITY: Petrovice deposit, Czech Republic.

Petrovskaite AuAg(S,Se) NAME ORIGIN: Named for Nina Petrovskaya (1910-), Russian mineralogist.

Petrukite (Cu,Fe,Zn)2(Sn,In)S4 NAME ORIGIN: Named for William Petruk

(1930-), Canadian mineralogist.
Petscheckite U++++Fe++(Nb,Ta)2O8 NAME ORIGIN: Named for Eckhard Petsch (1939-), of Idar-Oberstein, Germany, who was a noteworthy prospector in Madagascar.
Petterdite ! PbCr+++2(CO3)2(OH)4·H2O NAME ORIGIN: Named for amateur mineralogist William Frederick Petterd (1849-1910), an amateur collector who published several significant catalogues on the mineralogy of Tasmania.
Petzite Ag3AuTe2 NAME ORIGIN: Named after the chemist, W. Petz.
Pezzottaite ! Cs(Be2Li)Al2Si6O18 NAME ORIGIN: Named for Federico Pezzotta of the Museo Civico, Milano, Italy for his work on the granitic pegmatites of Madagascar.
Phacellite * (see Kaliophilite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pharmacolite CaHAsO4·2(H2O) NAME ORIGIN: From the Greek, farmakon, "poison" and lithos, "stone."
Pharmacosiderite KFe+++4(AsO4)3(OH)4·6-7(H2O) NAME ORIGIN: From the Greek, farmakon for "poison" and sideros for "iron."
Phaunouxite Ca3(AsO4)·11(H2O)
Phenakite Be2SiO4 NAME ORIGIN: From the Greek phenakos - "Ideceiver", in allusion to its similarity to quartz when colorless.
Phenenthrene * (see Ravatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Philipsbornite PbAl3(AsO4)2(OH)5·(H2O) NAME ORIGIN: Named for Helut von Philipsborn (1892-1983), Mineralogist, University of Bonn, Germany.
Philipsburgite (Cu,Zn)6(AsO4,PO4)2(OH)6·(H2O) NAME ORIGIN: Named for the locality LOCALITY: Black Pine mine, Flink Creek Valley, John Long Mountains, 14.5 km west of Philipsburg, Montana, USA.
Phillipsite * (see Phillipsite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Phillipsite-Ca ! (Ca,K,Na)1-2(Si,Al)8O16·6(H2O) NAME ORIGIN: Named after William Phillips (1775-1829), English mineralogist and founder of the Geological Society of London. The Ca-dominant member of the phillipsite series.
Phillipsite-K ! (K,Na,Ca)1-2(Si,Al)8O16·6(H2O) NAME ORIGIN: Named after William Phillips (1775-1829), English mineralogist and founder of the Geological Society of London. The K-dominant member of the phillipsite series.
Phillipsite-Na (Na,K,Ca)1-2(Si,Al)8O16·6(H2O) NAME ORIGIN: Named after William Phillips (1775-1829), English mineralogist and founder of the Geological Society of London. Na modifier added by zeolite nomenclature committee.
Philolithite ! Pb12O6Mn(Mg,Mn)2(Mn,Mg)4(SO4)(CO3)4Cl4(OH)12 NAME ORIGIN: The name is from the Greek philos (=loving) and lithos (=stone) in honor of the Friends of Mineralogy.
Phlogopite KMg3(Si3Al)O10(F,OH)2 NAME ORIGIN: From the Greek flogopos - "resembling fire."
Phlogopite-Na * (see Aspidolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Phoenicochroite Pb2(CrO4)O NAME ORIGIN: From the Greek for "deep red" and "color", in allusion to the color
Phosgenite Pb2(CO3)Cl2 NAME ORIGIN: Named from the composition phosgene (COCl2), as the mineral contains this compound.
Phosinaite-(Ce) Na13Ca2Ce[Si4O12](PO4)4 NAME ORIGIN: For PHOsphorus, SIlicon, and sodium, NAtrium, in the composition.
Phosphammite (NH4)2HPO4

Phosphoellenbergerite ! Mg14(PO4)6(PO3OH,CO3)2(OH)6 NAME ORIGIN: Named as the phosphate analogue of ellenbergerite.
Phosphoferrite (Fe++,Mn)3(PO4)2·3(H2O) NAME ORIGIN: Named for the compositoin, PHOSPHate and FERRous Iron.
Phosphofibrite KCuFe+++15(PO4)12(OH)12·12(H2O)
Phosphogartrellite ! PbCuFe+++(PO4)2(OH,H2O)2 NAME ORIGIN: For the relationship with gartrellite.
Phosphomimetite * (see Pyromorphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Phosphophyllite Zn2(Fe++,Mn)(PO4)2·4(H2O) NAME ORIGIN: Named after its chemical composition containing phosphorus and the Greek fyllon - meaning "leaf."
Phosphorroesslerite * (see Phosphorrosslerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Phosphorrosslerite Mg(PO3OH)·7(H2O)
Phosphosiderite Fe+++PO4·2(H2O) NAME ORIGIN: Named after its chemical composition, PHOSPHrous and SIDERos, Iron..
Phosphovanadylite ! (Ba,Ca,K,Na)x[(V,Al)4P2(O,OH)16]·12(H2O) x~0.66 NAME ORIGIN: Named after its composition of phosphate and the vanadyl (V++++O2)-- group.
Phosphowalpurgite ! (UO2)Bi4(PO4)O4·2(H2O) NAME ORIGIN: Named as the phosphate (PO4---) analogue of walpurgite.
Phosphuranylite KCa(H3O)3(UO2)7(PO4)4O4·8(H2O) NAME ORIGIN: Named for the composititon, PHOSPHorus, and URANYL, U4+.
Phthalimide * (see Kladnoite) See Also: GOOGLE, Athena, MinDAT, MinMax
Phuralumite Al2(UO2)3(PO4)2(OH)6·10(H2O) NAME ORIGIN: Named for the composition of PHosphate, URanium, and ALUMinum.
Phurcalite Ca2(UO2)3O2(PO4)2·7(H2O)
Phyllotungstite CaFe+++3H(WO4)6·10(H2O) NAME ORIGIN: Named for the crystal habit and composition.
Pianlinite - Disordered * (see Kaolinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Picene * (see Idrialite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pickeringite MgAl2(SO4)4·22(H2O) NAME ORIGIN: Named after J. Pickering (1777-1846).
Picotpaulite TlFe2S3 NAME ORIGIN: Named for Paul Picot (1931-), French mineralogist.
Picrolite * (see Antigorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Picromerite K2Mg(SO4)2·6(H2O) NAME ORIGIN: From the Greek for "bitter" and "part" in allusion to the magnesium content which makes this water-soluble salt bitter to the taste.
Picropharmacolite Ca4Mg(AsO3OH)2(AsO4)2·11(H2O) NAME ORIGIN: Named for its magnesia content and the similarity to pharmacolite.
Picrosmine * (see Antigorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Piedmontite * (see Piemontite) See Also: GOOGLE, Athena, MinDAT, MinMax
Piemontite Ca2(Al,Mn,Fe)3(SiO4)3(OH) = Ca2(Mn,Fe)Al2(SiO4)(Si2O7)O(OH) NAME ORIGIN: Named after its locality. LOCALITY: Piedmont, Italy.
Pierrotite Tl2Sb6As4S16 NAME ORIGIN: Named for Roland Pierrot (1930-), French mineralogist.
Pigeonite (Mg,Fe++,Ca)(Mg,Fe++)Si2O6
Pillaite ! Pb9Sb10S23ClO0.5 NAME ORIGIN: Named for Leopoldo Pilla (1805-1848), Italian Earth scientist.

Pilsenite Bi4Te3 NAME ORIGIN: Named for the locality. LOCALITY: Deutsch Pilsen (Nagybörzsöny), Hungary
Pimelite Ni3Si4O10(OH)2·4(H2O) NAME ORIGIN: Named for the Greek word for "fat", in allusion to the mineral's appearance.
Pinakiolite Mg2Mn+++O2(BO3) NAME ORIGIN: Named from the Greek for "small tablet", in allusion to the morphology.
Pinalite Pb3(WO4)OCl2 NAME ORIGIN: Named for the locality. LOCALITY: Mammoth mine, Pinal County, Arizona, USA.
Pinchite Hg++5O4Cl2
Pingguite Bi+++6Te++++2O13 NAME ORIGIN: Named after its locality. LOCALITY: At Yangjiava, Pinggu County, near Beijing, People's Republic of China.
Pinnoite MgB2O4·3(H2O) NAME ORIGIN: Named for chief councilor of Mines, Pinno, of Halle, Germany.
Pintadoite Ca2V2O7·9(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Canyon Pintado, San Juan Co., New Mexico, USA.
Piotine * (see Saponite) See Also: GOOGLE, Athena, MinDAT, MinMax
Piretite ! Ca(UO2)3(SeO3)2(OH)4-4(H2O) NAME ORIGIN: For Dr. Paul Piret (1932-), Professor of Crystallography, University of Louvain-la-Neuve, Belgium.
Pirquitasite Ag2ZnSnS4 NAME ORIGIN: Named for the locality. LOCALITY: Pirquitas deposit, Rinconada department, Jujuy province, Argentina
Pirssonite Na2Ca(CO3)2·2(H2O)
Pistacite - pistachio green * (see Epidote) See Also: GOOGLE, Athena, MinDAT, MinMax
Pistanite (copper bearing) * (see Melanterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pitiglianoite Na6K2Si6Al6O24(SO4)·2(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Casa Collina, Ptigliano, Tuscany, Italy.
Pitticite Hydrous ferric arsenate sulfate (Fe, AsO4, SO4, H2O) NAME ORIGIN: From the Greek for "pitch", for its typical resinous appearance.
Piypite K2Cu2(SO4)2O NAME ORIGIN: Named for Boris I. Piyp (1906-1966), Russian geologist and director, Institute of Volcanology, Petropoavlovsk-Kamchatskii.
Placodine * (see Maucherite) See Also: GOOGLE, Athena, MinDAT, MinMax
Plagioclase * (Na,Ca)(Si,Al)4O8 NAME ORIGIN: From the Greek plagios - "oblique" and klao - "I cleave" in allusion to the obtuse cleavage angles of the good cleavages.
Plagionite Pb5Sb8S17 NAME ORIGIN: From the Greek, plagios meaning "oblique."
Plancheite Cu8Si8O22(OH)4·(H2O) NAME ORIGIN: Named after J. Planche who brought it from Africa.
Planerite Al6(PO4)2(PO3OH)2(OH)8·4(H2O) NAME ORIGIN: Named for D. I. Planer, director of mines, Gumeshevsk, Ural Mountains, Russia.
Plasma - green chalcedony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Plaster of Paris * (see Bassanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Platarsite (Pt,Rh,Ru)AsS NAME ORIGIN: Named for the composition, PLATinum and ARSenic.
Platiniridium * (see Iridium) See Also: GOOGLE, Athena, MinDAT, MinMax
Platinum Pt NAME ORIGIN: Spanish, platina = "silver."
Plattnerite PbO2 NAME ORIGIN: Named after the German metallurgist, K. F. Plattner (1800-1858).

Platynite ? (Bi,Pb)3(Se,S)4 NAME ORIGIN: Named in 1910 from the Greek "to broaden", in allusion to its platy habit.
Playfairite Pb16Sb18S43 NAME ORIGIN: Named for John Playfair (1748-1819), Professor of Natural Philosophy, Edinburgh, Scotland.
Plazolite * (see Hibschite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pleonaste * (see Magnesioferrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Plessite - Taenite and Kamacite * (see Kamacite) See Also: GOOGLE, Athena, MinDAT, MinMax
Plessite - Taenite and Kamacite * (see Taenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Plombierite Ca5H2Si6O18·6(H2O) (?)
Plumalsite ? Pb4Al2(SiO3)7 (?)
Plumbago * (see Graphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Plumbobetafite (Pb,U,Ca)(Ti,Nb)2O6(OH,F) NAME ORIGIN: Named for the lead (PLUMBium), and other betafite minerals.
Plumboferrite Pb2Fe+++(11-x)Mn++xO19-2x (x=1/3) NAME ORIGIN: From the Latin (PLUMum) for lead and FERROus iron in the composition.
Plumbogummite PbAl3(PO4)2(OH)5·(H2O) NAME ORIGIN: Named after its composition: plumbum - "lead" and gummi - "indian rubber."
Plumbojarosite PbFe+++6(SO4)4(OH)12 NAME ORIGIN: Named after its chemical composition (a variety of jarosite with Pb replacing K).
Plumbomicrolite (Pb,Ca,U)2Ta2O6(OH) NAME ORIGIN: Named for lead, "PLUMBum" and its relationship to microlite.
Plumbonacrite Pb10(CO3)6O(OH)6 NAME ORIGIN: Named in for its composition and luster.
Plumbopalladinite Pd3Pb2 NAME ORIGIN: Named for the composition.
Plumbopyrochlore (Pb,Y,U,Ca)2-xNb2O6(OH) NAME ORIGIN: For lead, PLUMBum, in its composition and its relationship to pyrochlore.
Plumbotellurite PbTe++++O3 NAME ORIGIN: Named for the composition (Pb, Te).
Plumbotsumite Pb5Si4O8(OH)10
Plumbum * (see Lead) See Also: GOOGLE, Athena, MinDAT, MinMax
Plumosite * Pb2Sb2S5
Poitevinite (Cu,Fe++,Zn)SO4·(H2O) NAME ORIGIN: Named for Theophile Eugene Poitevin (1888-1978), Canadian mineralogist, Geological Survey of Canada.
Pokrovskite Mg2(CO3)(OH)2·0.5(H2O)
Polarite Pd(Bi,Pb) NAME ORIGIN: Named for the locality. LOCALITY: Talnakh, Norilsk, Polar Ural Mountians, Russia.
Poldervaartite (Ca,Mn++)2SiO3(OH)2 NAME ORIGIN: Named for Arie Poldervaart (1918-1964), Professor of Petrology, Columbia University, New York City, New York, USA.
Polhemusite (Zn,Hg)S NAME ORIGIN: Named for Clyde Polhemus Ross, American economic geologist.
Polianite * (see Pyrolusite) See Also: GOOGLE, Athena, MinDAT, MinMax
Polkanovite ! Rh12As7 NAME ORIGIN: Named after Yuri Aleksandrovich Polkanov (b. 1935), Academician, Institute of Mineral Resources, Academy of Technical Sciences of Ukraine, known for his studies of the mineralogy and ore
Polkovicite (Fe,Pb)3(Ge,Fe)1-xS4
Pollucite (Cs,Na)2Al2Si4O12·(H2O) NAME ORIGIN: Named after Pollux, a figure from Greek mythology, brother of Castor, for its common association with

"castorite" (petalite).
Polyakovite-(Ce) ! (Ce,La,Nd,Pr,Ca)4(Mg,Fe++)(Cr,Fe+++)2(Ti,Nb)2Si4O22 NAME ORIGIN: Named for Vladislav O. Polyakoy (1950-1993), Russian mineralogist.
Polybasite (Ag,Cu)16Sb2S11 NAME ORIGIN: From the Greek, poly, "many" and basis, "a base" in allusion to the basic character of the compound.
Polycrase-(Y) (Y,Ca,Ce,U,Th)(Ti,Nb,Ta)2O6 NAME ORIGIN: From the Greek for "many" and "mixture", in reference to the large number of chemical elements in the formula.
Polydymite NiNi2S4 NAME ORIGIN: From the Greek for "many" and "twin", as the mineral is observed in twinned forms.
Polyhalite K2Ca2Mg(SO4)4·2(H2O) NAME ORIGIN: From the Greek, polys, meaning "much" and hals, meaning "salt." in allusion to the many salt components in the formulae..
Polylithionite KLi2AlSi4O10(F,OH)2 NAME ORIGIN: From the Greek "ploy" for many or much, and in allusion to its high LITHium content.
Polymignite-metamict * (see Zirconolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Polymignite-metamict * (see Zirkelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Polyphite-VII Na17Ca3Mg(Ti,Mn)4[Si2O7]2(PO4)6O2F6 NAME ORIGIN: Named from the Greek for "many" and PHosphorus for the multiple phosphate anions in the formula.
Polyphite-VIII Na17Ca3Mg(Ti,Mn)4[Si2O7]2(PO4)6O2F6 NAME ORIGIN: Named from the Greek for "many" and PHosphorus for the multiple phosphate anions in the formula.
Ponomarevite K4Cu++4OCl10
Portlandite Ca(OH)2 NAME ORIGIN: Named because the material is a common product of hydration of portland cement.
Posnjakite Cu4(SO4)(OH)6·(H2O) NAME ORIGIN: Named after the geochemist, E. W. Posnjak (1888-1949).
Potarite PdHg NAME ORIGIN: Named for the locality. LOCALITY: Potaro River area, Guyana.
Potash Alum * (see Potassium-alum) See Also: GOOGLE, Athena, MinDAT, MinMax
Potash Mica * (see Muscovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Potassic-carpholite ! (K,Na,[ ])(Li,Mn++)2Al)4Si4O12(OH)4(F,OH)4 NAME ORIGIN: Named as the potassium-dominant member of carpholite.
Potassic-chlorohastingsite ! (K,Na)Ca2(Fe++,Mg)4Fe+++[Si6Al2O22](Cl,OH)2 NAME ORIGIN: Named after its composition and for Hastings Co., Ontario, Canada..
Potassic-chloropargasite ! (K,Na)Ca2(Mg,Fe2+)4Al(Si6Al2O22)(Cl,OH)2 NAME ORIGIN: Named as K-rich chloroparagasite as per IMA-approved amphibole nomenclature.
Potassic-fluororichterite ! (K,Na)(CaNa)Mg5[Si8O22]F2
Potassic-magnesiosadanagaite (K,Na)Ca2(Mg,Fe++,Al,Ti)5[(Si,Al)8O22](OH)2 NAME ORIGIN: Named for the composition and for Ryoichi Sadanaga (1920-), professor emeritus, University of Tokyo.
Potassicarfvedsonite ! KNa2Fe++4Fe+++Si8O22(OH)2 NAME ORIGIN: Named as the K-dominant analogue of arfvedsonite.
Potassicferrisadanagaite ! (K,Na)Ca2(Fe++,Mg)2(Fe+++,Al)2[Si5Al3O22]

(OH,F,O)2 NAME ORIGIN: Named for the composition and relationship to sadanagaite.
Potassicleakeite ! KNa2Mg2Fe+++2LiSi8O22(OH)2 NAME ORIGIN: Named as the K-dominant analog of leakeite.
Potassicpargasite ! (K,Na)Ca2(Mg,Fe++)5Si8O22(OH,F)2 NAME ORIGIN: Named after its containing potassium and the locality. LOCALITY: Pargas, Turku-Pori, Finland.
Potassicrichterite ! (K,Na)(CaNa)2Mg5[Si8O22](OH,F)2
Potassicsadanagaite ! (K,Na)Ca2[Fe++3(Al,Fe+++)2][Si5Al3O22](OH)2 NAME ORIGIN: Named for the composition and for Ryoichi Sadanaga (1920-), professor emeritus, University of Tokyo.
Potassium autunite * (see Meta-ankoleite) See Also: GOOGLE, Athena, MinDAT, MinMax
Potassium-alum KAl(SO4)2·12(H2O) NAME ORIGIN: Named for the element K and the Latin, alumen.
Potassium-fluor-richterite * (see Potassic-fluororichterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Potosiite Pb6Sn2FeSb2S14 NAME ORIGIN: Named for its locality. LOCALITY: Andacaba deposit, Potosi, Bolivia.
Pottsite PbBiH(VO4)2·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Potts, Lander Coundy, Nevada. USA.
Poubaite PbBi2Se2(Te,S)2 NAME ORIGIN: Named for Z. Pouba, economic geologist, Charles University, Prague, Czechoslovakia.
Poudretteite KNa2B3Si12O30
Poughite Fe+++2(TeO3)2(SO4)·3(H2O) NAME ORIGIN: Named for Frederick Harvey Pough (1906-), American mineralogist, curator, and writer.
Povondraite ! (Na,K)(Fe+++,Fe++)3(Fe,Mg,Al)6(BO3)3Si6O18(OH)4 NAME ORIGIN: Named for Pavel Povandra (1924-), mineralogits, Charles University, Prague, Czech Repubic.
Povondraite - (61.3.1.6) * (see Povondraite) See Also: GOOGLE, Athena, MinDAT, MinMax
Powellite CaMoO4 NAME ORIGIN: Named after the American geologist, John Westly Powell (1834-1902).
Poyarkovite Hg3ClO NAME ORIGIN: Named for Vlakimir Erastovich Poyarkov, Russian geologist, well-known investigator of mercury and antimony deposits.
Prase - green * (see Opal) See Also: GOOGLE, Athena, MinDAT, MinMax
Prase - leek green chalcedony * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Prassoite Rh17S15 (?)
Prassoite * (see Miassite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pravdite * (see Britholite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Precious opal - opalescent * (see Opal) See Also: GOOGLE, Athena, MinDAT, MinMax
Prehnite Ca2Al2Si3O10(OH)2 NAME ORIGIN: Named after the Dutch Colonel, H. Von Prehn (1733-1785).
Preisingerite Bi3(AsO4)2O(OH) NAME ORIGIN: Named for Anton Preisinger (1925-), Mineralogist, University of Technology, Vienna.
Preiswerkite NaMg2Al3Si2O10(OH)2
Preobrazhenskite Mg3B11O15(OH)9
Pretulite ! ScPO4 NAME ORIGIN: For the mountain Pretul, one of the localities at which the mineral occurs. LOCALITY: The type locality is 100 m southwest of Hollkegel, which is 12 km south-southwest of Murzzuschlag,

Fischbacher Alpen, Styria, Austria.
Priceite Ca2B5O7(OH)5·H2O NAME ORIGIN: Named after the American metallurgist, Thomas Price (1837-?), San Francisco metallurgist, who first analyzed the mineral.
Priderite (K,Ba)(Ti,Fe+++)8O16 NAME ORIGIN: Named for Rex Tregilgas Prider (1910-), Professor of Geology, University of Western Australia.
Pringleite Ca9B26O34(OH)24Cl4·13(H2O)
Prismatine ! ([ ],Fe,Mg)(Mg,Al,Fe)5Al4Si2(Si,Al)2(B,Si,Al)(O,OH,F)22
Prismatine * (see Kornerupine) See Also: GOOGLE, Athena, MinDAT, MinMax
Prixite * (see Mimetite) See Also: GOOGLE, Athena, MinDAT, MinMax
Probertite NaCaB5O7(OH)4·3(H2O) NAME ORIGIN: Named for Frank H. Probert (1876-1940), University of California, who discovered the mineral.
Prochlorite * (see Clinochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Prosopite CaAL2(F,OH)8 NAME ORIGIN: From the Greek prosopon - "mask."
Prosperite CaZn2(AsO4)2·(H2O) NAME ORIGIN: Named for Prosper J. Williams (1910-), South African-Canadian mineral dealer from Toronto, Canada.
Protasite Ba(UO2)3O3(OH)2·3(H2O) NAME ORIGIN: Named for Jean Protas (1931-), University of Nancy, France.
Protoallophane * (see Allophane) See Also: GOOGLE, Athena, MinDAT, MinMax
Protoanthophyllite ! (Mg,Fe)7Si8O22(OH)2 NAME ORIGIN: Named as the proto-type analog of anthophyllite. The prefix proto refers to a half-rotation about the b axis between successive layers of octahedra.
Protoferro-anthophyllite ! (Fe++,Mn++)2(Fe++,Mg)5(Si4O11)2(OH)2 NAME ORIGIN: The name indicates the structural relationship to protoamphiboles, and the compositional relationship to anthophyllite.
Protojoseite * Bi4TeS2 (?) NAME ORIGIN: Named as a precursor of joseite.
Protomangano-ferro-anthophyllite ! (Mn++,Fe++)2(Fe++,Mg)5(Si4O11)2(OH)2 NAME ORIGIN: The name indicates the structural relationship to protoamphiboles, and the compositional relationship to protoferro-anthophyllite and anthophyllite.
Proudite (Pb,Cu)8Bi9-10(S,Se)22 NAME ORIGIN: Named for J. S. Proud, a Director of the Peko-Wallsend mining
Proustite Ag3AsS3 NAME ORIGIN: After the French chemist, J. L. Proust (1755-1826).
Przhevalskite Pb(UO2)2(PO4)2·4(H2O) NAME ORIGIN: Named for Nikolai M. Przhevalsky (1839-1888), Russian explorer.
Pseudo-autunite * (H3O)4Ca2(UO2)2(PO4)4·5(H2O) (?) NAME ORIGIN: Named for its similarity to autunite and meta-autunite in composition and occurrence.
Pseudoboleite Pb5Cu4Cl10(OH)8·2(H2O) NAME ORIGIN: Named after its similarity to the mineral Boleite.
Pseudobrookite (Fe+++,Fe++)2(Ti,Fe++)O5 NAME ORIGIN: From the Greek pseudo - "I mislead" and the mineral brookite.
Pseudocotunnite K2PbCl4 (?) NAME ORIGIN: Named for the Greek "pseudo", false and cotunnite, a mineral it resembles in some respects.
Pseudograndreefite Pb6SO4F1O
Pseudojohannite ! Cu5(UO2)6(SO4)3(OH)16·14(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

Pseudolaueite Mn++Fe+++2(PO4)2(OH)2·7-8(H2O)
Pseudomalachite Cu5(PO4)2(OH)4 NAME ORIGIN: From ghe Greek, pseudo - "false" and malachite.
Pseudonatrolite * (see Mordenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pseudorutile Fe+++2Ti3O9
Pseudosinhalite ! Mg2Al3B2O9(OH) NAME ORIGIN: The name alludes to the optical, chemical, and structural similarity to sinhalite.
Psilomelane ? (Ba,H2O)2Mn5O10 NAME ORIGIN: Named in 1758 from the Greek psilos - "smooth" and melas - "black."
Psilomelane * (see Cryptomelane) See Also: GOOGLE, Athena, MinDAT, MinMax
Psilomelane * (see Romanechite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ptilolite * (see Mordenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pucherite BiVO4 NAME ORIGIN: Named after its locality. LOCALITY: Oxidized portions of Bi-Ag-U-Ca veins in the Pucher shaft of the Wolfgang Mine, Schneeberg, Saxony, Germany.
Pumpellyite * (see Pumpellyite-(Mg)) See Also: GOOGLE, Athena, MinDAT, MinMax
Pumpellyite-(Fe++) Ca2Fe++(Al,Fe+++)2(SiO4)(Si2O7)(OH)2·(H2O) NAME ORIGIN: Named after the American geologist, R. Pumpelly (1837-1923).
Pumpellyite-(Fe+++) Ca2Fe+++Al2(SiO4)(Si2O7)(OH,O)2·(H2O) NAME ORIGIN: Named after the American geologist, R. Pumpelly (1837-1923).
Pumpellyite-(Mg) Ca2MgAl2(SiO4)(Si2O7)(OH)2·(H2O) NAME ORIGIN: Named after the American geologist, R. Pumpelly (1837-1923).
Pumpellyite-(Mn++) Ca2(Mn++,Mg)(Al,Mn+++,Fe)2(SiO4)(Si2O7(OH)2·(H2O) NAME ORIGIN: Named after the American geologist, R. Pumpelly (1837-1923).
Purpurite Mn+++PO4 NAME ORIGIN: From the Latin purpureus - "purple red."
Pushcharovskite ! Cu(AsO3OH)·1.5(H2O) NAME ORIGIN: Named after Dmitry Yurievich Pushcharovsky (b. 1944), crystallographer, Moscow State University, Russia.
Putoranite Cu1.1Fe1.2S2 NAME ORIGIN: Named for Putoran Mountains, Siberia.
Putzite ! (Cu4.7Ag3.3)GeS6 NAME ORIGIN: Named for Hubert Putz (1973-), who discovered the new species during field work in Catamarca, for his significant contribution to the mineralogy of germanium in the Capillitas deposit.
Pyatenkoite-(Y) ! Na5(Y,Dy,Gd)TiSi6O18·6(H2O) NAME ORIGIN: For Yu. A. Pyatenko (1928-), prominent Russian crystal chemist.
Pycnite - yellowish white- * (see Topaz) See Also: GOOGLE, Athena, MinDAT, MinMax
Pyrantimonite * (see Kermesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pyrargyrite Ag3SbS3 NAME ORIGIN: From the Greek, pyr and argyros, "fire-silver" in allusion to color and silver content.
Pyrite FeS2 NAME ORIGIN: From the Greek, pyrites lithos, "stone which strikes fire," in allusion to the sparking produced when iron is struck by a lump of pyrite.
Pyroaurite Mg6Fe+++2(CO3)(OH)16·4(H2O) NAME ORIGIN: From the Greek, pyro and the Latin aurium, "fire" and "golden" because of the gold-like submetallic scales present in its type locality. LOCALITY: Langbanshyttan, Sweden.
Pyrobelonite PbMn(VO4)(OH) NAME ORIGIN: Named from the Greek for "fire" and "needle", in allusion to the color and habit.

Pyrochlore (Na,Ca)2Nb2O6(OH,F) NAME ORIGIN: From the Greek pyr - "fire" and chloros - "green."
Pyrochroite Mn(OH)2 NAME ORIGIN: Named from the Greek, puro, "fire" and khroma, "color", because of the change in color upon ignition.
Pyrocoproite * (Mg(K,Na))2P2O7 NAME ORIGIN: Named after it's derivation from bat guano combustion.
Pyrolusite MnO2 NAME ORIGIN: From the Greek, pyro and louein, "fire" and "to wash," because it was used to remove the greenish color imparted to glass by iron compounds.
Pyromorphite Pb5(PO4)3Cl NAME ORIGIN: From the Greek pyr - "fire" and morfe - "form" in allusion the recrystallization reaction of the molten mineral.
Pyrope Mg3Al2(SiO4)3 NAME ORIGIN: From the Greek, pyropos, "fiery-eyed" in allusion to the red hue.
Pyrophanite MnTiO3 NAME ORIGIN: From the Greek pyr - "fire" and fanos - "shining."
Pyrophosphite * K2CaP2O7 NAME ORIGIN: Named after the Greek pyros, meaning fire and the element name - Phosphorus.
Pyrophyllite Al2Si4O10(OH)2
Pyrosmalite * (see Ferropyrosmalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pyrosmalite * (see Manganpyrosmalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Pyrostilpnite Ag3SbS3 NAME ORIGIN: From the Greek, pyr, "fire" and stilpnos, "shining."
Pyroxferroite (Fe++,Mn)7[Si7O21] NAME ORIGIN: Named after its resemblance to the pyroxenes and containing iron over manganese..
Pyroxmangite (Mn,Fe++)SiO3 NAME ORIGIN: Named after its resemblance to the pyroxenes and containing manganese.
Pyrrhotite Fe(1-x)S (x=0-0.17) NAME ORIGIN: From the Greek, phrrhotes, "redness," in allusion to color.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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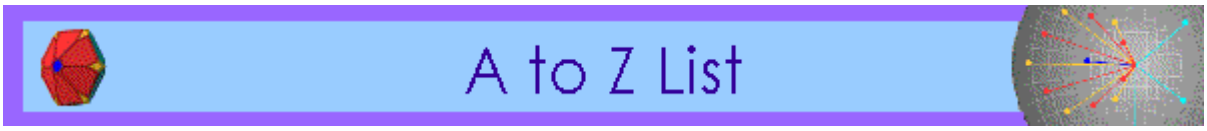

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This alphabetical listing of **Q minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

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	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Qandilite ▲ (Mg,Fe++)2(Ti,Fe+++,Al)O4 NAME ORIGIN: Named for its occurrence in rocks of the Quadil Group, Iraq.
Qilianshanite ▲ NaH4(CO3)(BO3)·2(H2O)
Qingheiite ▲ Na2(Mn++,Mg,Fe++)(Al,Fe+++)(PO4)3 NAME ORIGIN: Named for the locality. LOCALITY: Qinghe County, Xinjiang Uygur Autonomous Region, China.
Qitianlingite ▲ Fe++2Nb2W++++++O10
Quadratite ! + ▲ Ag(Cd,Pb)AsS3 NAME ORIGIN: The name is derived from the conspicuous quadratic shape of the mineral.
Quadridavyne ▲ (Na,K)6Ca2Al6Si6O24Cl4 NAME ORIGIN: From the Latin "quad" for four, as the mineral has four times the unit cell volume of the related mineral species davyne.
Quadruphite-VII ▲ Na14CaMgTi4[Si2O7]2(PO4)4O4F2 NAME ORIGIN: Named for the Latin "quadruplex" and the element phosphorus, for the quantity of PO4 groups in the formula.
Quadruphite-VIII ▲ Na14CaMgTi4(Si2O7)2(PO4)4O4F2 NAME ORIGIN: Named

for the Latin "quadruplex" and the element phosphorus, for the quantity of PO4 groups in the formula.

Quartz SiO2 NAME ORIGIN: From the German "quarz", of uncertain origin.

Quecksilber * (see Mercury) See Also: GOOGLE, Athena, MinDAT, MinMax

Queitite Pb4Zn2(SiO4)(Si2O7)(SO4)

Quenselite PbMn+++O2(OH) NAME ORIGIN: Named for Percy Dudgeon Quensel (1881-1966), Swidish mineralogist and petrolgist, Stockholm University, Sweden.

Quenstedtite Fe+++2(SO4)3·10(H2O) NAME ORIGIN: Named after the German mineralogist, F. A. Quenstedt (1809-1889).

Quetenite * (see Botryogen) See Also: GOOGLE, Athena, MinDAT, MinMax

Quetzalcoatlite Zn8Cu4(TeO3)3(OH)18 NAME ORIGIN: Named for Quetzalcoatl, a Toltec god of the sea, in allusion of the sea blue-green color of the mineral.

Quicksilver * (see Mercury) See Also: GOOGLE, Athena, MinDAT, MinMax

Quintinite-2H Mg4Al2(OH)12CO3·4(H2O) NAME ORIGIN: Named after Quintin Wight (b. 1935), of Ottawa, Ontario, Canada, significant contributor to mineral studies at Mont Saint-Hilaire, and author of The Complete Book of micromounting (1993).

Quintinite-3T Mg4Al2(OH)12CO3·4(H2O) NAME ORIGIN: Named after Quintin Wight (b. 1935), of Ottawa, Ontario, Canada, significant contributor to mineral studies at Mont Saint-Hilaire, and author of The Complete Book of Micromounting (1993).

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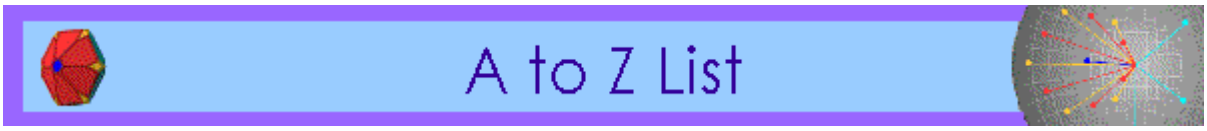

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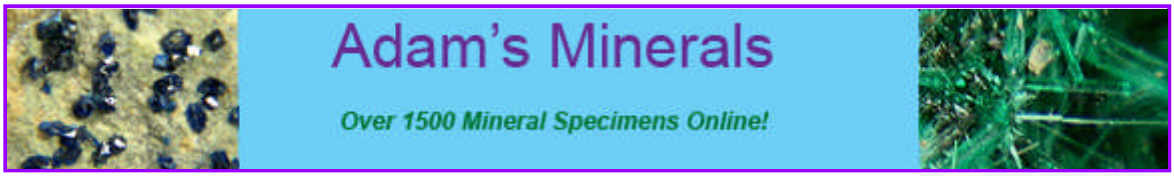

This alphabetical listing of **R minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

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	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Raadeite ! Mg7(PO4)2(OH)8 NAME ORIGIN: Named for Gunnar Raade (1944-), minerals curator at the Natural History Museum, Oslo, Norway.
Rabbittite Ca3Mg3(UO2)2(CO3)6(OH)4·18(H2O) NAME ORIGIN: Named for John Charles Rabbitt (1907-1957), geologist with the U. S. Geological Survey.
Rabejacite Ca(UO2)4(SO4)2(OH)6·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Rabejac and Mas d'Alary village a few kilometers from Lodeve, France.
Radhakrishnaite PbTe3(Cl,S)2 NAME ORIGIN: Named after B. P. Radhakrishna (1918-), Indian mineralogist.
Radial Blende * (see Wurtzite) See Also: GOOGLE, Athena, MinDAT, MinMax
Radiobarite * (Ba,Ra)SO4 NAME ORIGIN: From radium replacing barium and from the Greek, baryos, "heavy."
Radovanite ! Cu2Fe+++(AsO4)[As+++O2(OH)2]·H2O NAME ORIGIN: Named for Radovan Cerny (1957-), crystallographer at the University of Geneva, Switzerland.
Radtkeite Hg3S2ClI NAME ORIGIN: Named for Arthur S. Radtke (1936-2004),

geologist, U. S. Geological Survey.
Rafaelite * (see Paralaurionite) See Also: GOOGLE, Athena, MinDAT, MinMax
Raguinite TlFeS2 NAME ORIGIN: Named for Eugene Raguin (1900-), French geologist.
Raite Na3Mn3Ti0.25Si8O20(OH)2·10(H2O)
Rajite CuTe++++2O5 NAME ORIGIN: Named after Robert Allen Jenkins (RAJ-ite), a mineralogist who first recognized the species.
Ralstonite NaxMgxAl2-x(F,OH)6·(H2O) NAME ORIGIN: Named for J. Grier Ralston (1851-1880) of Norristown, Pennsylvania, USA, who first observed the mineral.
Rambergite ! MnS NAME ORIGIN: Named after Hans Ramberg (1917-1998), Professor of Mineralogy and Petrology at the University of Chicago, then at the University of Uppsala, Sweden.
Ramdohrite Ag3Pb6Sb11S24 NAME ORIGIN: Named for Paul Ramdohr (1890-1985), German mineralogist.
Rameauite K2CaU++++++6O20·9(H2O) NAME ORIGIN: Named for Jacques Rameau (1926-1960), French prospector who discovered the deposit where the mineral occurs.
Rammelsbergite NiAs2 NAME ORIGIN: Named after the German chemist and mineralogist, K. F. Rammelsberg (1812-1899).
Ramsayite * (see Lorenzenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ramsbeckite (Cu,Zn)15(SO4)4(OH)22·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Bastenberg mine, near Ramsbeck, Germany.
Ramsdellite MnO2 NAME ORIGIN: Named after the American mineralogist, Lewis S. Ramsdell (1895-1975), of the University of Michigan, who first described the mineral.
Rancieite (Ca,Mn++)Mn++++4O9·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Rancie, near Vicdessos, Ariege, France.
Rankachite CaFe++V+++++4W++++++8O36·12(H2O)
Rankamaite (Na,K,Pb,Li)3(Ta,Nb,Al)11(O,OH)30 NAME ORIGIN: Named for Kalervo Rankama (1913-), Finnish geochemist, University of Helsinki.
Rankinite Ca3Si2O7
Ranquilite * (see Haiweeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ransomite CuFe+++2(SO4)4·6(H2O) NAME ORIGIN: Named for Federick Leslie Ransome (1868-1935), U.S. Mining geologist.
Ranunculite HAl(UO2)(PO4)(OH)3·4(H2O) NAME ORIGIN: Named for the color "ranunculus", buttercup.
Rapidcreekite Ca2(SO4)(CO3)·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Rapid Creek, Big Fish river area, Yukon Territories, Canada.
Rappoldite ! Pb(Co,Ni,Zn,)2(AsO4)2·2(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Dump material from the Rappold mine near Schneeberg, Saxony, Germay.
Raslakite ! Na15Ca3Fe3(Na,Zr)3Zr3(Si,Nb)(Si25O73)(OH,H2O)3(Cl,OH) NAME ORIGIN: Named after the Raslak cirques near Mount Kedykverpakhk.
Rasorite * (see Kernite) See Also: GOOGLE, Athena, MinDAT, MinMax
Raspite PbWO4 NAME ORIGIN: Named for Charles Rasp (1846-1907), German-Australian prospector, discovered of the Broken Hill ore deposit.
Rastsvetaevite ! Na27K8Ca12Fe3Zr6Si52O144(O,OH,H2O)6Cl2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

Rasvumite KFe2S3 NAME ORIGIN: Named for the locality. LOCALITY: Rasvumchorr and Kidusvumchorr apatite deposits, Khibina massif, Kola Peninsula, Russia.
Rathite Pb8Pb4-x(Tl2As2)x(Ag2As2)As16S40 NAME ORIGIN: Named for Gerhard von Rath (1830-1888), Professor of Mineralogy, Bonn, Germany.
Rauenthalite Ca3(AsO4)2·10(H2O)
Rauvite Ca(UO2)2V+++++10O28·16(H2O) NAME ORIGIN: Named for the composition, RAdium, Uranium, and Vanadium.
Ravatite C14H10 NAME ORIGIN: Named for the locality. LOCALITY: Ravat, Fan-Jagnob coal basin, Dushambe, Tajikistan
Rayite (Ag,Tl)2Pb8Sb8S21 NAME ORIGIN: Named for Santosh K. Ray of President College, Calcutta, India.
Realgar AsS NAME ORIGIN: From the Arabic, rahj al ghar, "powder of the mine;"
Rebulite Tl5Sb5As8S22 NAME ORIGIN: Unknown name derivation.
Rectorite (Na,Ca)Al4(Si,Al)8O20(OH)4·2(H2O) NAME ORIGIN: Named for E. W. Rector (1849-1917), legislator and lawyer of Hot Springs, Arkansas, USA.
Red Antimony * (see Kermesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Red Lead Ore * (see Crocoite) See Also: GOOGLE, Athena, MinDAT, MinMax
Red oxide of copper * (see Cuprite) See Also: GOOGLE, Athena, MinDAT, MinMax
Red oxide of lead * (see Minium) See Also: GOOGLE, Athena, MinDAT, MinMax
Red Oxide of Zinc * (see Zincite) See Also: GOOGLE, Athena, MinDAT, MinMax
Reddingite Mn++3(PO4)2·3(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Branchville, in the town of Redding, Fairfield Co., Connecticut.
Redingtonite (Fe++,Mg,Ni)(Cr,Al)2(SO4)4·22(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Redington mine, Knoxville, Napa Co., California.
Redledgeite BaTi6Cr+++2O16·(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Red Ledge mine, south of Washington, Nevada Co., California.
Reederite-(Y) ! Na15Y2(CO3)9(SO3F)Cl NAME ORIGIN: For Dr. Richard J. Reeder, currently co-editor of the American Mineralogist.
Reedmergnerite NaBSi3O8
Reevesite Ni6Fe+++2(CO3)(OH)16·4(H2O)
Refikite C19H31COOH
Reichardite - massive * (see Epsomite) See Also: GOOGLE, Athena, MinDAT, MinMax
Reichenbachite Cu++5(PO4)2(OH)4 NAME ORIGIN: Named for the locality. LOCALITY: Reichenbach, Odenwald, Germany.
Reidite ! ZrSiO4 NAME ORIGIN: Named for Alan F. Reid who first produced this high pressure phase in the laboratory.
Reinerite Zn3(As+++O3)2
Reinhardbraunsite Ca5(SiO4)2(OH,F)2
Remondite-(Ce) Na3(Ce,La,Ca,Na,Sr)3(CO3)5
Remondite-(La) ! Na3(La,Ce,Ca)3(CO3)5 NAME ORIGIN: Named as the La analog of remondite-(Ce).
Renardite Pb(UO2)4(PO4)2(OH)4·7(H2O) NAME ORIGIN: Named for Alphonse Francois Renard (1842-1903), mineralogist, University of Ghent, Belgium.
Rengeite ! Sr4ZrTi4Si4O22 NAME ORIGIN: Named for Mt Renge, near the discovery location and the jadeitite-bearing Renge metamorphic belt.

Renierite (Cu,Zn)11(Ge,As)2Fe4S16 NAME ORIGIN: Named after Armand Renier, Belgian geologist adn Director of the Belgian Geological Survey.
Reniforite * (see Jordanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Reppiaite Mn++5[(V,As)O4]2(OH)4 NAME ORIGIN: Named for the locality. LOCALITY: Gambatesa mine, near Reppia, Val Graveglia, Italy.
Resin * (see Amber) See Also: GOOGLE, Athena, MinDAT, MinMax
Retgersite NiSO4·6(H2O)
Retzian-(Ce) Mn2Ce(AsO4)(OH)4
Retzian-(La) (Mn,Mg)2(La,Ce,Nd)(AsO4)(OH)4
Retzian-(Nd) Mn2(Nd,Ce,La)(AsO4)(OH)4
Revdanskite * (see Pimelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Revdite Na2Si2O5·5(H2O)
Reyerite (Na,K)4Ca14Si22Al2O58(OH)8·6(H2O) NAME ORIGIN: Named for Eduard Reyer (1849-1907), Austrian geologist.
Rhabdite * (see Schreibersite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rhabdophane-(Ce) (Ce,La)PO4·(H2O) NAME ORIGIN: Named from the Greek, "rod" and "to appear", in allusion to the characteristic bands shown in its spectrum.
Rhabdophane-(La) (La,Ce)PO4·(H2O) NAME ORIGIN: Named to distinguish the La rich form of rhabdophane-Ce.
Rhabdophane-(Nd) (Nd,Ce,La)PO4·(H2O) NAME ORIGIN: Named to distinguish the Nd rich form of rhabdophane-Ce.
Rheniite * (see IMA1999-004a) See Also: GOOGLE, Athena, MinDAT, MinMax
Rhenium * Re NAME ORIGIN: Named for the Rhine River in Germany in 1925.
Rhodarsenide ! (Rh,Pd)2As NAME ORIGIN: Named after its chemical composition of rhodium and arsenic.
Rhodesite KHCa2Si8O19·5(H2O) NAME ORIGIN: Named for Cecil John Rhodes (1853-1902), British founder of the DeBeers Mining Company and for Rhodes University, Grahamstown, South Africa where the mineral was studied.
Rhodium (Rh,Pt) NAME ORIGIN: Named from the Greek, rhodon = "rose" in allusion to the colored salts.
Rhodizite (K,Cs)Al4Be4(B,Be)12O28 NAME ORIGIN: Named from the Greek "rose-colored" because it tinges the blowpipe flame red.
Rhodochrosite MnCO3 NAME ORIGIN: From the Greek rhodon -"rose" and chroma - "color."
Rhodolite * (see Pyrope) See Also: GOOGLE, Athena, MinDAT, MinMax
Rhodonite (Mn++,Fe++,Mg,Ca)SiO3 NAME ORIGIN: From the Greek rhodos - "rose colored."
Rhodostannite Cu2FeSn3S8 NAME ORIGIN: Named for its reddish color compared to stannite.
Rhodplumsite Pb2Rh3S2 NAME ORIGIN: Named for its composition.
Rhoenite * (see Rhonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rhomboclase (H5O2)+Fe+++(SO4)2·2(H2O)
Rhonite Ca2(Mg,Fe++,Fe+++,Ti)6(Si,Al)6O20 NAME ORIGIN: Named for the locality. LOCALITY: Rhon Mountains, at Scharnhausen, near Stuttgart, Germany.
Ribbeite (Mn++,Mg)5(SiO4)2(OH)2 NAME ORIGIN: Named for Paul Ribbe of Virginia Polytechnical Institute and State University.

Richellite Ca3Fe+++10(PO4)8(OH)12·n(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Richelle, near Vise in Liege, Balgium.
Richelsdorfite Ca2Cu5Sb(AsO4)4Cl(OH)6·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Richelsdorf Mountains, Hesse, Germany.
Richetite PbU++++++4O13·4(H2O) NAME ORIGIN: Named for Emile Richet (1884-1938), chief geologist, Union Miniere du Haut Katanga.
Richterite Na(CaNa)(Mg,Fe++)5[Si8O22](OH)2
Richterite-K * (see Potassicrichterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rickardite Cu7Te5 NAME ORIGIN: Named for Thomas Arthur Rickard (1864-1953), mining engineer and Editor of the Engineering and Mining Journal, New York and London.
Riebeckite [ ]Na2(Fe++3Fe+++2)Si8O22(OH)2 NAME ORIGIN: Named after the German traveler, Emil Riebeck (1853-1885).
Rijkeboerite * (see Bariomicrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rilandite (Cr,Al)6SiO11·5(H2O) (?) NAME ORIGIN: Named for James L. Riland (1857-1938?), newspaper publisher of Meeker, Colorado, on whose claim the mineral was found.
Rimkorolgite ! Mg5Ba(PO4)4·8(H2O) NAME ORIGIN: For Olga M. Rimskaya-Konsakova (1914-1987), Russian mineralogist from St. Petersbug University.
Ringwoodite Mg2SiO4 NAME ORIGIN: Named for Alfred Edward Ringwood (1930-1993), petrologist, University of Canberra, Australia.
Rinkite ! Na(Na,Ca)2(Ca,Ce)4(Ti,Nb)(Si2O7)2(O,F)2 NAME ORIGIN: Named after H. RINK, director of a Danesh-Greenlandic trade group.
Rinkite * (see Mosandrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rinkolite * (see Mosandrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rinkolite * (see Rinkite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rinmanite ! (Zn,Mn)2Sb2Mg2Fe4O14(OH)2 NAME ORIGIN: Named after Sven Rinman (1720-1792), father of the Swedish mineral industry, member of the Bergskollegium.
Rinneite K3NaFe++Cl6
Riomarinaite ! Bi(OH)SO4·H2O NAME ORIGIN: Named for the locality LOCALITY: Falcacci mine, Rio Marina iron mine, Elba Island, Toscana (Tuscany), Italy
Ripidolite * (see Clinochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Rittingerite * (see Xanthoconite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rittmannite Mn++Mn++Fe++Al2(OH)2(PO4)4·8(H2O)
Rivadavite Na6MgB24O40·22(H2O)
Riversideite Ca5Si6O16(OH)2·2(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Crestmore quarry, 5 miles NW of Riverside, Riverside Co., California.
Roaldite (Fe,Ni)4N NAME ORIGIN: Named in 1981 for Roald Nielsen (b.1928), Danish metallurgist.
Robertsite Ca6Mn+++9(PO4)9O6(H2O)6·3(H2O) NAME ORIGIN: Named for Willard Lincoln Roberts (1923-1987), mineralogist, South Dakota School of Mines.
Robinsonite Pb4Sb6S13 NAME ORIGIN: Named for Stephen Clive Robinson (1911-), Geological Survey of Canada, who first synthesized the mineral.
Rock Crystal * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Rock Salt * (see Halite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rockbridgeite (Fe++,Mn)Fe+++4(PO4)3(OH)5 NAME ORIGIN: Named for

the locality. LOCALITY: South Mountain, near Midvale, Rockbridge County, Virginia, USA.
Rodalquilarite H3Fe+++2(Te++++O3)4Cl NAME ORIGIN: Named for the locality. LOCALITY: Rodalquilar gold deposit, Almeria, Spain.
Rodolicoite ! Fe+++PO4 NAME ORIGIN: Named after Francesco Rodolico (1905–1988), professor of mineralogy, University of Florence, Italy, specialist of the history of geology and of building and ornamental materials, author o
Roeblingite Pb2Ca6(Si6O18)(SO4)2(OH)2·4(H2O) NAME ORIGIN: Named after Washington A. Roebling (1837-1926), well known mineral collector and builder of the Brooklyn Bridge.
Roedderite (Na,K)2(Mg,Fe++)5Si12O30
Roemerite * (see Romerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Roesslerite * (see Rosslerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Roggianite Ca2[Be(OH)2Al2Si4O13]·<2·5(H2O) NAME ORIGIN: Named after Aldo G. Roggiani, a teacher of natural sciences, who first found the mineral.
Rohaite TlCu5SbS2 NAME ORIGIN: Named for John Rose-Hansen, (1937-), Danish mineralogist.
Rokuehnite * (see Rokuhnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rokuhnite Fe++Cl2·(H2O)
Rollandite ! Cu3(AsO4)2·4(H2O) NAME ORIGIN: Named for Pierre Rolland (1940-), an eminent mineral collector of the Roua mines.
Romanechite (Ba,H2O)2(Mn++++,Mn+++)5O10 NAME ORIGIN: Named for the locality. LOCALITY: Romaneche, Saone-et-Loire, France.
Romanite * (Fe++,U,Pb)2(Ti,Fe+++)O4 NAME ORIGIN: Named after the locality. LOCALITY: Romania.
Romanite * (see Dessauite) See Also: GOOGLE, Athena, MinDAT, MinMax
Romarchite SnO
Romeite (Ca,Fe++,Mn,Na)2(Sb,Ti)2O6(O,OH,F) NAME ORIGIN: Named after the French crystallographer, J. B. Rome de l'Isle (1736-1770).
Romerite Fe3(SO4)4·14(H2O) NAME ORIGIN: Named for Friedrich Adolph Römer (1809-1869), German geologist.
Rondorfite ! Ca8Mg(SiO4)4Cl2 NAME ORIGIN: Named for Alice and Eugen Rondorf, two distinguished mineral collectors, who found the mineral with Bernd Ternes in 1979.
Ronneburgite ! K2MnV4O12 NAME ORIGIN: Named for the Locality.
Rontgenite-(Ce) Ca2(Ce,La)3(CO3)5F3 NAME ORIGIN: Named for William Conrad von Rontgen (1845-1923), German physicist and discoverer of X-rays.
Rooseveltite BiAsO4
Roquesite CuInS2 NAME ORIGIN: Named for Maurice Roques, University of Clairmont-Gerrand, France.
Rorisite (Ca,Mg)FCl
Rosasite (Cu,Zn)2(CO3)(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Rosas mine, Narcao, Cagliari, Sardegna (Sardinia), Italy.
Roscherite Ca(Mn++,Fe++)5Be4(PO4)6(OH)4·6(H2O) NAME ORIGIN: Named for Walter Roscher, mineral collector of Ehrenfriedsdorf, Germany.
Roscoelite K(V,Al,Mg)2AlSi3O10(OH)2 NAME ORIGIN: Named for Henry Enfield Roscoe (1833-1915) of Manchester, England who first prepared pure vanadium.

Rose Quartz - rose colored * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Roselite Ca2(Co,Mg)(AsO4)2·2(H2O) NAME ORIGIN: Named after Gustave Rose (1798-1873), professor on mineralogy at the University of Berlin, Germany.
Roselite-beta Ca2(Co,Mg)(AsO4)2·2(H2O) NAME ORIGIN: Named for its dimorphic relationship with roselite.
Rosemaryite (Na,Ca,Mn++)(Mn++,Fe++)(Fe+++,Fe++,Mg)Al(PO4)3 NAME ORIGIN: Named for F. Rosemay Wyllie wife of Professor Peter J. Wyllie, namesake of wyllieite.
Rosenbergite AlF3·3(H2O) NAME ORIGIN: Named for Philip E. Rosenberg (1931-), U.S. Geochemist, Washington State University.
Rosenbuschite (Ca,Na)3(Zr,Ti)Si2O8F
Rosenhahnite Ca3Si3O8[(OH)2-4x,(CO3)x] NAME ORIGIN: Named for Leo Rosenhahn (1904-1991), American amateur mineralogist, who found the mineral.
Roshchinite Ag19Pb10Sb51S96 or Pb(Ag,Cu)2(Sb,As)5S10 NAME ORIGIN: Named for Yuri V. Roshchin (1934-1979), Russian Geologist.
Rosiaite ! PbSb+++++2O6 NAME ORIGIN: Named for the locality. LOCALITY: Cetine di Cotorniano Mine (Cetine Mine), Rosia, Siena Province, Tuscany, Italy
Rosickyite S NAME ORIGIN: Named for Vojtech Rosicky, former Director of the Mineralogical and Petrological Institute of Masaryk University, Brno, Czechoslovakia.
Rosieresite (Pb,Cu,Al)(PO4)x·n(H2O) NAME ORIGIN: From an abandoned copper mine at Rosiere, Carmaux, Tarn, France.
Rossite CaV2O6·4(H2O)
Rosslerite Mg(AsO3OH)·7(H2O) NAME ORIGIN: Named for Karl Rössler of Hanau, Germany.
Rossmanite ! [ ]LiAl2Al6(Si6O18)(BO3)3(OH)4 NAME ORIGIN: Named after George R. Rossman (1945-), California Institute of Technology, Pasadena, CA, USA, in recognition for his work on the spectroscopy of the tourmaline minerals.
Rostite AlSO4(OH,F)·5(H2O) NAME ORIGIN: Named for Rudolph Rost (1912-), Czech mineralogist.
Rottisite * (see Pimelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rouaite ! Cu2(NO3)(OH)3 NAME ORIGIN: Named for the locality. LOCALITY: Old copper mines at Roua, Alpes-Maritimes, southeastern France.
Roubaultite Cu2(UO2)3(CO3)2O2(OH)2·4(H2O) NAME ORIGIN: Named for Marcel Roubault (1905-), geologist, University of Nancy, France.
Rouseite Pb2Mn++(As+++O3)2·2(H2O) NAME ORIGIN: Named for Rolnd Rouse (1943-), U. S. Mineralogist.
Routhierite TlCu(Hg,Zn)2(As,Sb)2S3 NAME ORIGIN: Named for Pierre Routhier (1916-), French economic geologist.
Rouvilleite Na3Ca2(CO3)3F NAME ORIGIN: Named for the locality. LOCALITY: Poudrette quarry, Rouville County, Mt. St-Hilaire, Quebec, Canada.
Rouxelite ! Cu2HgPb23Sb27S65.5 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Roweite Ca2Mn++2B4O7(OH)6
Rowlandite-(Y) Y4Fe++Si4O14F2 (?)
Roxbyite Cu1.78S NAME ORIGIN: Named from the locality. LOCALITY: Roxby Downs, AS, Australia. Eastern Mediterranean Sea.

Rozenite Fe++SO4·4(H2O)
Ruarsite RuAsS NAME ORIGIN: Named for the composition, RUthenium, ARsenic, and Sulfur.
Rubellite - red or pink * (see Elbaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Rubicelle * (see Spinel) See Also: GOOGLE, Athena, MinDAT, MinMax
Rubicline ! (Rb,K)AlSi3O8 NAME ORIGIN: The name reflects its compositional and structural attributes as the rubidium analog of microcline.
Ruby - red * (see Corundum) See Also: GOOGLE, Athena, MinDAT, MinMax
Ruby Silver Ore * (see Proustite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ruby Silver Ore * (see Pyrargyrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ruby spinal * (see Spinel) See Also: GOOGLE, Athena, MinDAT, MinMax
Rucklidgeite (Bi,Pb)3Te4 NAME ORIGIN: Named for J. C. Rucklidge, University of Toronto, Canada who first noticed the mineral.
Rudenkoite ! Sr3Al3[(Si,Al)4O10](OH,O)8Cl2·H2O NAME ORIGIN: Named for Sergey Alexandrovich Rudenko (1917-1992). Professor at the St. Petersburg (Leningrad) Mining Institute.
Ruitenbergite Ca9B26O34(OH)24Cl4·13(H2O)
Ruizite CaMn+++Si2O6(OH) ·2(H2O) NAME ORIGIN: For Joe Ana Ruiz, of Mammoth, Arizona, USA, collector of microscopic minerals, who discovered the mineral.
Rusakovite (Fe+++,Al)5(VO4,PO4)2(OH)9·3(H2O) NAME ORIGIN: Named for Mikhail Petrovich Rusakov (1892-1963), geologist, Kazakhstan, Russia.
Russellite Bi2WO6 NAME ORIGIN: Named for Arthur Edward Ian Montagu Russell (1878-1964), British mineralogist.
Rustenburgite (Pt,Pd)3Sn NAME ORIGIN: Named for the locality. LOCALITY: Atok and Rustenburg mines, Merensky Reef, Pretoria, Transvaal, South Africa.
Rustumite Ca10(Si2O7)2(SiO4)Cl2(OH)2
Ruthenarsenite (Ru,Ni)As NAME ORIGIN: Named for the composition.
Rutheniridosmine (Ir,Os,Ru) NAME ORIGIN: Named for the composition (Ru, Os, Ir).
Rutheniridosmium * (see Osmium) See Also: GOOGLE, Athena, MinDAT, MinMax
Ruthenium (Ru,Ir,Os) NAME ORIGIN: Named for the element (Latin, Ruthenia = "Russia.").
Ruthenosmiridium * (see Iridium) See Also: GOOGLE, Athena, MinDAT, MinMax
Rutherfordine UO2(CO3) NAME ORIGIN: Named for Ernest Rutherford (1871-1937) British atomic physicist and Nobel laureate.
Rutile TiO2 NAME ORIGIN: From the Latin, rutilus - "reddish."
Rynersonite Ca(Ta,Nb)2O6

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

HOME	CRYSTALLOGRAPHY	X-RAY TABLE	CHEMISTRY
DANA CLASSIFICATION	STRUNZ CLASSIFICATION	MINERAL PROPERTIES	A to Z LISTING
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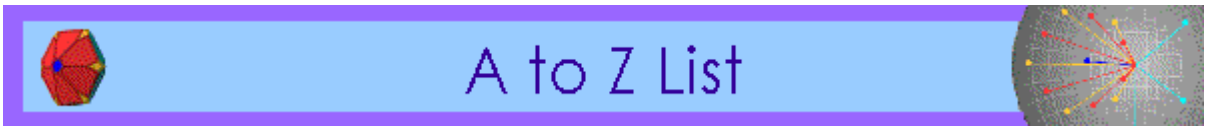

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S Index of Mineral Species

This alphabetical listing of **S minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Sabatierite Cu4TlSe3 NAME ORIGIN: Named for Germain Sabatier (1923-), French mineralogist.

Sabelliite ! Cu2Zn(As,Sb)O4(OH)3 NAME ORIGIN: For Dr. Cesare Sabelli (1934-) of the Consiglio Nazionale delle Ricerche, Firenze, Ital.

Sabieite (NH4)Fe+++(SO4)2 NAME ORIGIN: Named for the locality. LOCALITY: Lone Creek cavern, near Sabie, Transvaal, South Africa.

Sabinaite (Na,Ca)4Zr2Ti(CO3)4O4 NAME ORIGIN: Named for Ann Phyllis Sabina Stenson (1930-), mineralogist, Geological Survey of Canada.

Sabugalite HAl(UO2)4(PO4)4·16(H2O)

Sacrofanite (Na,Ca,K)9Si6Al6O24[(OH),(SO4),(CO3),Cl)]4·n(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Mt. Sabatini, Sacrafano volcano area, Latium, Italy.

Sadanagaite (K,Na)Ca2(Fe++,Mg,Al,Ti)5[(Si,Al)8O22](OH)2 NAME ORIGIN: Named for Ryoichi Sadanaga (1920-), professor emeritus, University of Tokyo.

Sadanagaite-K * (see Potassicsadanagaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Saddlebackite ! Pb2Bi2Te2S3 NAME ORIGIN: Named after the Archean-aged Saddleback greenstone belt which hosts the deposit.
Safflorite (Co,Fe)As2 NAME ORIGIN: From the German Safflor - "dyer's saffron."
Sagenite - reticulated * (see Rutile) See Also: GOOGLE, Athena, MinDAT, MinMax
Sahamalite-(Ce) (Mg,Fe++)Ce2(CO3)4
Sahlinite Pb14(AsO4)2O9Cl4 NAME ORIGIN: Named for Carl Andreas Sahlin (1861-1943), chemist and manager of the iron works at Laxa, Sweden.
Sailaufite ! Ca2Mn3O2(AsO4)2(CO3)·3(H2O) NAME ORIGIN: Named for the locality LOCALITY: Hartkoppe hill, Ober-Sailauf (Spessart mountains) Germany.
Sainfeldite Ca5(AsO3OH)2(AsO4)2·4(H2O) NAME ORIGIN: Named for Paul Sainfeld (1916-), Musee des Mineralogie, Ecole des Mines, Paris.
Sakhaite Ca3Mg(BO3)2(CO3)·0.36(H2O) NAME ORIGIN: Named for the locality, Sakha being the name for Siberia in the Yakut language. LOCALITY: Solongo, Transbaikalia, Russia.
Sakharovaite (Pb,Fe)(Bi,Sb)2S4 NAME ORIGIN: Named for Marina S. Sakharova (1917-), Russian mineralogist.
Sakuraiite (Cu,Zn,Fe,In,Sn)4S4 NAME ORIGIN: Named for Kin-Ichi Sakurai (1912-1993), a Japanese amateur mineralogist.
Sal Ammoniac * (see Sal-ammoniac) See Also: GOOGLE, Athena, MinDAT, MinMax
Sal-ammoniac NH4Cl NAME ORIGIN: Alchemist's Latin name for "salt of Ammon", used by early writers for common rock salt from near the Oracle of Ammon in Egypt.
Saleeite Mg(UO2)2(PO4)2·10(H2O) NAME ORIGIN: Named for Achille Salee (1883-1932), mineralogist, Universite Louvain, Belgium.
Salesite Cu(IO3)(OH) NAME ORIGIN: Named for Reno H. Sales (1876-1969), chief geologist, Anaconda Copper Mining Co.
Saliotite Na0.5Li0.5Al3AlSi3O10(OH)5
Salmiac * (see Sal-ammoniac) See Also: GOOGLE, Athena, MinDAT, MinMax
Salmoite * (see Tarbuttite) See Also: GOOGLE, Athena, MinDAT, MinMax
Salpeter * (see Niter) See Also: GOOGLE, Athena, MinDAT, MinMax
Samarskite-(Y) (Y,Fe+++,U)(Nb,Ta)5O4 NAME ORIGIN: Named for Vasilii Yefrafovich von Samarski-Bykhovets (1803-1870), Chief of Staff of the Russian Corps of Mining Engineers.
Samfowlerite Ca14Mn++3Zn2(Be,Zn)2Be6(SiO4)6(Si2O7)4(OH,F)6 NAME ORIGIN: Named for Samuel Fouler, M.D. (1779-1844), who early encouraged study of the Franklin deposits.
Samiresite * (see Betafite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sampleite NaCaCu5(PO4)4Cl·5(H2O) NAME ORIGIN: Named for Mat Sample, mine superintendent, Chuquicamata, Chile.
Samsonite Ag4MnSb2S6 NAME ORIGIN: Named after its location.
Samuelsonite (Ca,Ba)Ca8(Fe++,Mn)4Al2(PO4)10(OH)2 NAME ORIGIN: Named for Peter B. Samuelson (1941-), Rumney New Hampshire, USA.
Sanbornite BaSi2O5 NAME ORIGIN: Named for Frank B. Sanborn, (1862-1936), Mineralogist, California Department of Natural Resources.
Sandbergite * (see Ganterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sanderite MgSO4·2(H2O) NAME ORIGIN: Named for Bruno Sander (1884-1979), Austrian geologist, Alte Universitat, Innsbruck, Austria.

Saneroite Na2(Mn++,Fe+++)10Si11V+++++O34(OH)4 NAME ORIGIN: Named for Edoardo Sanero, formerly professor of Mineralogy at the University of Genova, Italy.
Sanidine (K,Na)(Si,Al)4O8 NAME ORIGIN: From the Greek sanis - "little plate" and idos - "to see."
Sanjuanite Al2(PO4)(SO4)(OH)·9(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Sierra Chica de Zonda, San Juan Province, Argentina.
Sanmartinite (Zn,Fe++)WO4
Santabarbaraite ! Fe+++3(PO4)2(OH)3·5(H2O) NAME ORIGIN: Named for Saint Barbara (4th century), a martyred christian who took refuge in the mines and converted many of the miners, hence her patronage to miners.
Santaclaraite CaMn++4Si5O14(OH)2·(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Pennsylvania mine, SW side of San Antonio Valley, 4 miles ENE of Mount Hamilton, Santa Clara Co., California.
Santafeite (Mn,Fe,Al,Mg)2(Mn++++,Mn++)2(Ca,Sr,Na)3(VO4,AsO4)4(OH)3·2(H2O) NAME ORIGIN: Named after the Atchison, Topeka and Santa Fe Railroad Company, because if its contribution to the exploration and development of the New Mexico uranium deposits.
Santanaite Pb++9Pb++++2CrO16
Santite KB5O6(OH)4·2(H2O)
Saponite (Ca/2,Na)0,3(Mg,Fe++)3(Si,Al)4O10(OH)2·4(H2O) NAME ORIGIN: From the Latin, sapo meaning "soap.'
Sapphire - blue * (see Corundum) See Also: GOOGLE, Athena, MinDAT, MinMax
Sapphire Quartz - blue colored * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Sapphirine (Mg,Al)8(Al,Si)6O20 NAME ORIGIN: Named after its blue color.
Sapphiros of Pliny * (see Lazurite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sarabauite CaSb10O10S6 NAME ORIGIN: Named for the locality. LOCALITY: Sarabau mine, Sarawak.Borneo.
Sarcolite NaCa6Al4Si6O24F (?) NAME ORIGIN: From the Greek for "flesh", alluding to the color.
Sarcopside (Fe++,Mn,Mg)3(PO4)2 NAME ORIGIN: From the Greek for "flesh" and "view," in allusion to its apparent flesh-red color [due to intimate intergrowth with graftonite].
Sarkinite Mn++2(AsO4)(OH) NAME ORIGIN: Named from the Greek for "made of flesh" in allusion to the blood-red color.
Sarmientite Fe+++2(AsO4)(SO4)(OH)·5(H2O)
Sartorite PbAs2S4 NAME ORIGIN: Named for Sartorius von Walterhausen (1809-1876), German geologist who first mentioned the species.
Saryarkite-(Y) Ca(Y,Th)Al5(SiO4)2(PO4,SO4)2(OH)7·6(H2O) NAME ORIGIN: Derivation of the name not given, probably for the locality; and for its high yttrium content. LOCALITY: Sary-Arka, Kazakhstan.
Sasaite (Al,Fe+++)14(PO4)11(SO4)(OH)7·84(H2O) NAME ORIGIN: Named for the South African Speleological Society (SAS).
Sassolite H3BO3 NAME ORIGIN: Named after its locality. LOCALITY: Sasso and the Tuscan lagoons, between Volterra and Massa Marittima, Italy.
Satimolite KNa2Al4(B2O5)3Cl3·13(H2O)
Satin Spar * (see Gypsum) See Also: GOOGLE, Athena, MinDAT, MinMax
Satpaevite Al12V++++2V+++++6O37·30(H2O) NAME ORIGIN: Named for

Kanysh I. Satpaev (1899-1964), Kazakh geologist.
Satterlyite (Fe++,Mg)2(PO4)(OH) NAME ORIGIN: Named for Jack Satterly (1906-), geologist at Ontario Department of Mines, Canada.
Sauconite Na0,3Zn3(Si,Al)4O10(OH)2·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Ueberroth mine, Saucon Valley, near Friedensville, Lehigh County, Pennsylvania, USA.
Saukovite(Cd) * (see Metacinnabar) See Also: GOOGLE, Athena, MinDAT, MinMax
Sayrite Pb2(UO2)5O6(OH)2·4(H2O)
Sazhinite-(Ce) Na2Ce[Si6O14(OH)]·n(H2O), (n >= 1.5) NAME ORIGIN: Named for Nikolai Petrovich Sazhin (1898-1969), Founder of the Russian rare-earth industry.
Sazykinaite-(Y) Na5YZrSi6O18·6(H2O) NAME ORIGIN: Named after Ludmila B. Sazykina (1934-), a Kola artist.
Sborgite NaB5O6(OH)4·3(H2O)
Scacchite MnCl2
Scainiite ! Pb14Sb30S54O5 NAME ORIGIN: Named for Dr. Giuseppe Scaini (1906-1988), engineer and skillful investigator of systematic and Italian mineralogy.
Scandiobabingtonite ! Ca2(Fe++,Mn)ScSi5O14(OH) NAME ORIGIN: The name reflects its composition, as the scandium analogue of babingtonite.
Scapolite * (Na,Ca)4[Al3Si9O24]Cl NAME ORIGIN: Named in 1800 rom the Greek skapos - "rod" and lithos - "stone."
Scarbroite Al5(CO3)(OH)13·5(H2O) NAME ORIGIN: Named after the locality. LOCALITY: South Bay, Scarborough, England.
Scawtite Ca7Si6(CO3)O18·2(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Scawt Hill, Antrim, Ireland.
Schachnerite Ag1.1Hg0.9 NAME ORIGIN: Named for Doris Schachner (1904-1989), German mineralogist.
Schadeite * (see Plumbogummite) See Also: GOOGLE, Athena, MinDAT, MinMax
Schafarzikite Fe++Sb+++2O4
Schaferite ! NaCa2Mg2(VO4)3 NAME ORIGIN: Named after Helmut Schäfer (b. 1931), amateur mineralogist from Mayen-Kürrenberg, specialist in the minerals of the Eifel volcanic area, who discovered the mineral.
Schairerite Na21(SO4)7F6Cl NAME ORIGIN: Named for John Frank Schairer (1904-1970), American physical chemist, Geophysical Laboratory, Washington, DC, USA.
Schallerite Mn++16[As+++O2OH][Si12O30](OH)14 NAME ORIGIN: Named for Wakdemar Theodore Shaller ((1852-1967), mineralogist, U. S. Geological Survey.
Schapbachite ? AgBiS2 NAME ORIGIN: Named for the original (discredited) locality. LOCALITY: Discredited locality at Schapbach, Baden. Silberbrünnle Mine, Haigerach valley, Gengenbach, Schwarzwald (Black Forest), Baden-Württemberg, Germany
Schapbachite * (see Matildite) See Also: GOOGLE, Athena, MinDAT, MinMax
Schaurteite Ca3Ge++++(SO4)2(OH)6·3(H2O) NAME ORIGIN: Named for Werner T. Schaurte (1892-1978), South African scientist.
Scheelite CaWO4 NAME ORIGIN: Named after the Swedish chemist, Karl Wilhelm Scheele (1742-1786).
Schertelite (NH4)2MgH2(PO4)2·4(H2O)
Scheteligite ? (Ca,Y,Sb,Mn)2(Ti,Ta,Nb,W)2O6(O,OH) NAME ORIGIN: Named in

1937 for Jacob Schetelig (1875-1935), Norwegian mineralogist, director of the Oslo Mineralogical Museum.
Schiavinatoite ! (Nb,Ta)BO4 NAME ORIGIN: Named for Italian mineralogist Giuseppe Schiavinato (1915-1996).
Schieffelinite Pb(Te++++++,S)O4·(H2O) NAME ORIGIN: Named for Ed Schieffelin (1847-1897), stagecoach driver and prospector who discovered the Tombstone district mines.
Schirmerite Ag3Pb3Bi9S18 to Ag3Pb6Bi7S18 NAME ORIGIN: Named for J. H. L. Schirmer, superintendent of the U. S. Mint, Denver, Colorado, USA.
Schlegelite ! Bi7O4(MoO4)2(AsO4)3 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Schlemaite ! (Cu,[ ])6(Pb,Bi)Se4 NAME ORIGIN: Named for the Schlema-Alberoda ore field in the ancient mining region of Saxony, Germany
Schlossmacherite (H3O,Ca)Al3(AsO4,SO4)2(OH)6 NAME ORIGIN: Named for Karl Schlossmacher (1887-?), mineralogist and honorary member of the German Gemological Society.
Schmeiderite * (see Schmiederite) See Also: GOOGLE, Athena, MinDAT, MinMax
Schmiederite Pb2Cu++2(Se++++O3)(Se++++++O4)(OH)4
Schmitterite (UO2)TeO3 NAME ORIGIN: Named for Eduardo Schmitter Villada (1904-1982), professor of mineralogy, Universidad Nacional Autonoma de Mexico.
Schneebergite ! Bi(Co,Ni)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named for the locality. LOCALITY: Dump material of the "Am Roten Berg" mining area, about 5 km SW of Schneeberg, Saxony, Germay.
Schneiderhoehnite * (see Schneiderhohnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Schneiderhohnite Fe++Fe+++3As+++5O13 NAME ORIGIN: Named for Hans Schneiderhöhn (1887-1962), German mineralogist.
Schoderite Al2(PO4)(VO4)·8(H2O) NAME ORIGIN: Named for William P. Schoder (1900-1977), U. S. Chemist.
Schoellhornite * (see Schollhornite) See Also: GOOGLE, Athena, MinDAT, MinMax
Schoenfliesite MgSn++++(OH)6 NAME ORIGIN: Named for Arthur Moritz Schoenflies (1853-1928), professor of mathematics, University of Frankfurt.
Schoenite * (see Picromerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Schoepite (UO2)8O2(OH)12·12(H2O) NAME ORIGIN: Named for Alfred Schoep (1881-1966), Belgian mineralogist who studied uranium mineralogy.
Schollhornite Na0.3CrS2·(H2O) NAME ORIGIN: Named for Robert Schollhorn, German chemist.
Scholzite CaZn2(PO4)2·2(H2O) NAME ORIGIN: Named for Adolph Scholz (1894-1950), mineral collector and chemist, Regensburg, Germany.
Schoonerite Fe++2ZnMnFe+++(PO4)3(OH)2·9(H2O) NAME ORIGIN: Named for Richard Schooner (1925-), mineral collector, Connecticut, USA.
Schorl NaFe++3Al6(BO3)3Si6O18(OH)4 NAME ORIGIN: Old name of unknown origin.
Schorl - (61.3.1.10) * (see Schorl) See Also: GOOGLE, Athena, MinDAT, MinMax
Schorlomite Ca3(Ti,Fe+++,Al)2[(Si,Fe+++,Fe++)O4]3 NAME ORIGIN: Named for the mineral schorl and from the Greek "homos," the same, in allusion to its resemblance to schorl.
Schreibersite (Fe,Ni)3P
Schreyerite V+++2Ti3O9 NAME ORIGIN: Named for Werner Schreyer (1930-),

Ruhr University, Bochum, Germany.
Schrockingerite NaCa3(UO2)(CO3)3(SO4)F·10(H2O) NAME ORIGIN: Named after Julius Freiherr Schrockinger von Neudenberg (1814-1882), who found and described the U occurrence at Jochymov, Bohemia, Czech Republic.
Schroeckingerite * (see Schrockingerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Schrotterite * (see Allophane) See Also: GOOGLE, Athena, MinDAT, MinMax
Schubnelite Fe++(V+++++O4)(H2O) NAME ORIGIN: Named for Henri J. Schubnel (1935-), French mineralogist.
Schuetteite Hg3(SO4)O2 NAME ORIGIN: Named for Curt Nicolaus Schuette (1895-1975), American mining engineer and geologist, specialist in mercury deposits.
Schuilingite-(Nd) PbCu(Nd,Gd,Sm,Y)(CO3)3(OH)·1.5(H2O) NAME ORIGIN: Named after Hendrik Jan Schuiling (1892-1966), Dutch engineer and Chief Geologist, Union Miniere du Haut-Katanga, former Belgian Congo.
Schulenbergite (Cu,Zn)7(SO4,CO3)2(OH)10·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Glucksrad mine, near Oberschulenberg (Upper Schulenberg), Harz, Germany.
Schultenite PbHAsO4 NAME ORIGIN: Named for Baron August Benjamin de Schulten (1856-1912) of Helsingfors and Paris, who prepared and described artificial crystals of the compound.
Schumacherite Bi3[(V,As,P)O4]2O(OH) NAME ORIGIN: Named for Friedrich Schumacher, professor, University of Freiberg and Bonn, Germany
Schwartzembergite Pb++6(IO3)2O3Cl4 NAME ORIGIN: Named for H. Schwartzemberg, assayer, Copiapo, Chile.
Schwefel * (see Sulfur) See Also: GOOGLE, Athena, MinDAT, MinMax
Schwertmannite Fe+++16O16(OH)12(SO4)2 NAME ORIGIN: In honor of Udo Schwertmann (1922 -).
Sclarite (Zn,Mg,Mn++)4Zn3(CO3)2(OH)10
Scleroclase * (see Sartorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Scolecite CaAl2Si3O10·3(H2O) NAME ORIGIN: From the Greek, skolec = 'worm' in reference to the mineral's reaction to the blowpipe flame.
Scorodite Fe+++AsO4·2(H2O) NAME ORIGIN: From the Greek skorodon - meaning "garlic" alluding to the arsenic odor when heated.
Scorzalite (Fe++,Mg)Al2(PO4)2(OH)2 NAME ORIGIN: Named for Everisto Pena Scorza (1899-?), Brazilian mineralogist, Mineral Survey of Brazil.
Scotiolite * (see Hisingerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Scotlandite PbSO3 NAME ORIGIN: Named for the country of origin.
Scrutinyite PbO2 NAME ORIGIN: The name alludes to the close scrutiny that is necessary to distinguish the mineral from its dimorph, plattnerite.
Sea Foam * (see Sepiolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Seamanite Mn3(PO4)B(OH)6
Searlesite NaBSi2O5(OH)2 NAME ORIGIN: Named after it's locality. LOCALITY: Searles Lake, San Bernardino Co., California.
Sederholmite NiSe NAME ORIGIN: Named for J. J. Sederholm, former Director of the Gological Survey of Finland.
Sedovite U(MoO4)2 NAME ORIGIN: Named for Georgii Yakolevich Sedov (1877-1914), Russian polar investigator.
Seeligerite Pb3Cl3(IO3)O

Seelite-1 Mg[(UO2)(AsO3)x(AsO4)1-x]2·7(H2O) NAME ORIGIN: Named for Paul (1904-1982) and Hilde (1901-1987) Seel, Belgium mineral collectors.
Seelite-2 Mg(UO2)(AsO3)x(AsO4)1-x·7(H2O) (x=0.7) NAME ORIGIN: Named for Paul (1904-1982) and Hilde (1901-1987) Seel, Belgium mineral collectors.
Segelerite CaMgFe+++(PO4)2(OH)·4(H2O) NAME ORIGIN: Named for Curt G. Segeler (1901-1989), amateur mineralogist, New York City.
Segnitite PbFe+++3H(AsO4)2(OH)6
Seidite-(Ce) ! Na4(Ce,Sr)2{Ti(OH)2(Si8O18)}(O,OH,F)4·5(H2O) NAME ORIGIN: Named after Seidozero, literally Lake Seid, the central lake in the Lovozero complex.
Seidozerite (Na,Ca)2(Zr,Ti,Mn)2Si2O7(O,F)2 NAME ORIGIN: Named after the locality. LOCALITY: Lovozero massif, near the Muruai and Uel'kuai Rivers, Seidozero region, Kola Peninsula, Russia.
Seifertite ! SiO2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Seinajokite (Fe,Ni)(Sb,As)2 NAME ORIGIN: Named for the locality. LOCALITY: In the Seinäjoki deposit, Vaasa, Finland
Sekaninaite (Fe++,Mg)2Al4Si5O18 NAME ORIGIN: Named after the Czechoslovakian mineralogist, J. Sekanina (1901-1986).
Selen tellurium-Mixture with selenium * (see Tellurium) See Also: GOOGLE, Athena, MinDAT, MinMax
Selen tellurium-Mixture with tellurium * (see Selenium) See Also: GOOGLE, Athena, MinDAT, MinMax
Selenite * (see Gypsum) See Also: GOOGLE, Athena, MinDAT, MinMax
Selenium Se NAME ORIGIN: From the Greek, Selene, "goddess of the Moon" to contrast Tellure, "earth".
Selenolite * (see Olsacherite) See Also: GOOGLE, Athena, MinDAT, MinMax
Selenostephanite Ag5Sb(Se,S)4 NAME ORIGIN: Named for the composition and similarity to stephanite.
Seligmannite PbCuAsS3 NAME ORIGIN: Named for Gustav Seligman (1849-1920), German mineral collector.
Sellaite MgF2
Selwynite NaK(Be,Al)Zr2(PO4)4·2(H2O) NAME ORIGIN: For A. R. C. Selwyn (1824-1902), founding director of the Geological Survey of Victoria, Australia.
Semenovite (Na,Ca)9(Ce,La)2(Fe++,Mn)(Si,Be)20(O,OH,F)48 NAME ORIGIN: Named for Yevgeny Ivanovich Semenov, (1951-), Russian mineralogist, IMGRE, Moscow, Russia.
Semseyite Pb9Sb8S21 NAME ORIGIN: For Andor von Semsey (1833-1923), a Hungarian nobleman, who was also an amateur mineralogist.
Senaite Pb(Ti,Fe,Mn)21O38 NAME ORIGIN: Named for Joaquim de Costa Sena, Esola de Minas, Ouro Preto, Brazil.
Senarmontite Sb2O3 NAME ORIGIN: Named after the French mineralogist, H. Hureau de Senarmot (1808-1862).
Senegalite Al2(PO4)(OH)3·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Kourondicko iron ore (magnetite) deposit, Faleme River Basin, Senegal.
Senekevichite ! CsKNaCa2TiO[Si7O18(OH)] NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

Sengierite Cu2(UO2)2V2O8·6(H2O) NAME ORIGIN: Named for Edgar Sengier (1879-1963), executive director, Societe Generale de Belgiwue.
Sepiolite Mg4Si6O15(OH)2·6(H2O) NAME ORIGIN: From the Greek, sepia - "cuttlefish" and lithos - "stone." From the German, meerschaum meaning "sea froth."
Serandite Na(Mn++,Ca)2Si3O8(OH) NAME ORIGIN: Named for J. M. Serand, West African mineral collector.
Serbianite * (see IMA1995-020a) See Also: GOOGLE, Athena, MinDAT, MinMax
Serendibite Ca2(Mg,Al)6(Si,Al,B)6O20
Sergeevite Ca2Mg11(CO3)9(HCO3)4(OH)4·6(H2O) NAME ORIGIN: Named for Evengi M. Sergeev (1914-), engineering geologist, Moscow University.
Serpentine * (see Clinochrysotile) See Also: GOOGLE, Athena, MinDAT, MinMax
Serpierite Ca(Cu,Zn)4(SO4)2(OH)6·3(H2O) NAME ORIGIN: Named for Giovanni Battista Serpieri (1832-1897), Italian mining entrpreneur, founder of the Montecatini Co., and developer of the Laurium mines.
Serrabrancaite ! MnPO4·(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Alto Serra Branca pegmatite, ~10 km southwest of Pedra Lavrand, Paraiba, Brazil.
Severginite * (see Tinzenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sewardite ! CaFe+++2(AsO4)2(OH)2 NAME ORIGIN: Named for Terry Maxwell Seward (1940-) who collected the mineral.
Seybertite * (see Clintonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Shabaite-(Nd) Ca(Nd,Sm,Y)2(UO2)(CO3)4(OH)2·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Kamoto East, 5 km W of Kolwezi, Shaba, Zaire.
Shabynite Mg5(BO3)Cl2(OH)5·4(H2O) NAME ORIGIN: Named for Leonid I. Shabynin (1909-), Russian geologist.
Shadlunite (Pb,Cd)(Fe,Cu)8S8 NAME ORIGIN: Named for Tatanya Shadlun, Russian researcher on ore minerals.
Shafranovskite K2Na3(Mn++,Fe++,Na)4[Si9(O,OH)27](OH)2·n(H2O), n~2.33 NAME ORIGIN: Named for Ilarion Ilarionovich Shafranovskii (1907-1994), mineralogist and crystallographer at the Mining Institute, St. Petersburg, Russia.
Shahovite * (see Shakhovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Shakhovite Hg+4Sb+++++O3(OH)3 NAME ORIGIN: Named for Feliks Nikolaevich Shakhov (1894-1971), Head of the Division of Geochemistry in the Russian Academy of Sciences.
Shandite Pb2Ni3S2 NAME ORIGIN: Named for Samuel James Shand (1882-1957), Scottish petrologist, Columbia University, New York City, New York, USA.
Shannonite ! Pb2OCO3 NAME ORIGIN: For David M. Shannon (1942-), a mineral dealer who helped collect the first samples of the mineral.
Sharpite Ca(UO2)6(CO3)5(OH)4·6(H2O) NAME ORIGIN: Named for R. R. Sharp (1881-1956), English engineer, prospector, and soldier, who discovered the Shikolobwe uranium deposit in 1915.
Shattuckite Cu5(SiO3)4(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Shattuck mine, Bisbee, Cochise Co., Arizona, USA.
Shcherbakovite KKNaTi2O(OH)[Si4O12] NAME ORIGIN: Named for Dmitrii Ivanovich Shcherbakov (1893-1966), Russian mineralogist and geochemist
Shcherbinaite V2O5 NAME ORIGIN: Named for Vladimir V. Shcherbina (1907-1978), Russian geochemist.

Sheldrickite ! NaCa3(CO3)2F3·(H2O) NAME ORIGIN: Named for George M. Sheldrick, creator of the SHELX software, widely used for the refinement of crystal structures.
Sheridanite * (see Clinochlore) See Also: GOOGLE, Athena, MinDAT, MinMax
Sherwoodite Ca9Al2V++++4V+++++24O80·56(H2O)
Shibkovite ! K(Ca,Mn,Na)2(K2-x,[ ]x)2ZnSi12O30 (x~0.8) NAME ORIGIN: Named after two prominent Russian geologists, Viktor Sergeevitch Shibkov (1926-1992) and Nikolai Viktorovitch Shibkov (1951-1991), who both spent their professional lives working on the g
Shigaite Mn++7Al4(SO4)2(OH)22·8(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Loi mine, Shinga Prefecture, Japan.
Shirokshinite ! K(NaMg2)Si4O10F2 NAME ORIGIN: Named for Nikolay V. Shirokshin (1809-), Russian geologist who in 1835 published the first geological data for the Khibiny massif.
Shirozulite ! KMn3(AlSi3)O10(OH,F)2 NAME ORIGIN: Named for Haruo Shirozu, Professor Emeritus of Kyushu University for his contributions to the crystal chemistry of sheet-silicate minerals.
Shkatulkalite ! Na10Mn++Ti3Nb3(Si2O7)6(OH)2F·12(H2O) NAME ORIGIN: For the Shkatulka vein in which the mineral was found.
Shomiokite-(Y) Na3Y(CO3)3·3(H2O)
Shortite Na2Ca2(CO3)3 NAME ORIGIN: Named for Maxwell Naylor Short (1889-1952), professor of mineralogy, University of Arizona.
Shuangfengite IrTe2 NAME ORIGIN: After the locality. LOCALITY: Located hear the village of Shuangfeng about 190 km NNE of Beijing, People's Republic of China.
Shubnikovite Ca2Cu8(AsO4)6Cl(OH)·7(H2O) (?) NAME ORIGIN: Named for Aleksei V. Shunikov (1887-1971), crystallographer, Institute of Crystallography, Moscow, Russia.
Shuiskite Ca2(Mg,Al)(Cr,Al)2(SiO4)(Si2O7)(OH)2·(H2O) NAME ORIGIN: Named for V. P. Shuisk, petrologist of the Ural Scientific Center, Yekaterinburg (Sverdlovsk), Russia.
Siamaite * (see Strontiochevkinite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sibirskite CaHBO3 NAME ORIGIN: Named for Siberia (sibirski).
Sicherite ! TlAg2(As,Sb)3S6 NAME ORIGIN: Named for Valentin Sicher (1925-), member of the Lengenbach syndicates who contributed greatly to the specimen recovery efforts.
Sicklerite Li(Mn++,Fe+++)PO4 NAME ORIGIN: Named after the discoverer of the Pala pegmatite deposits, Sickler.
Siderazot Fe5N2 NAME ORIGIN: Named for its composition (Greek, "sideros" = iron).
Siderite Fe++CO3 NAME ORIGIN: From the Greek sideros, "iron."
Sideronatrite Na2Fe+++(SO4)2(OH)·3(H2O) NAME ORIGIN: Named after its composition.
Siderophyllite KFe++2Al(Al2Si2)O10(F,OH)2 NAME ORIGIN: Named from the Greek for "iron" and "leaf" in allusion to the composition and the micaceous character.
Siderotil Fe++SO4·5(H2O)
Sidorenkite Na3Mn(PO4)(CO3) NAME ORIGIN: Named for Alexander V. Sidorenko (1917-1982), Russian mineralogist.

Sidpietersite ! ▲ Pb++4(S++++++O3S--)O2(OH)2 NAME ORIGIN: Named after Sidney Pieters (1920-2003), of Windhoek, Namibia for his outstanding contributions to Namibian mineralogy.
Sidwillite ▲ MoO3·2(H2O)
Siegenite ✚ ▲ (Ni,Co)3S4 NAME ORIGIN: Named after its ore-bearing locality, Siegen, Germany. LOCALITY: Grube Jungfer, Müsen, Siegen district, Nordrhein-Westfalen, Germany.
Sieleckiite ▲ Cu3Al4(PO4)2(OH)12·2(H2O) NAME ORIGIN: Named for Robert Sielecki (1958-), Australian geologist.
Sigismundite ! ▲ (Ba,K,Pb)Na3(Ca,Sr)(Fe++,Mg,Mn)14Al(OH)2(PO4)12 NAME ORIGIN: For Pietro Sigismund (1874-1962), a well known collector of minerals from Valtellina, especially Val Malenco.
Sigloite ▲ Fe+++Al2(PO4)2(OH)3·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Sigol XX mine, Llallagua, Potosi, Bolivia.
Silhydrite ▲ 3SiO2·(H2O) NAME ORIGIN: Named for its composition, a silica hydrate.
Silicified pyrochlore * (see Komarovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Silicified pyrochlore * (see Na-komarovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Silicium * (see Silicon) See Also: GOOGLE, Athena, MinDAT, MinMax
Silicon ▲ Si NAME ORIGIN: From the Latin, silicis = "flint."
Silicosmirnovskite * (see Brockite) See Also: GOOGLE, Athena, MinDAT, MinMax
Silinaite ▲ NaLiSi2O5·2(H2O)
Sillenite ▲ Bi12SiO20 NAME ORIGIN: Named fo rLars Gunnar Sillén (1916-1970) of Stockholm, Sweden for his work on Bi2O3 polymorphs.
Sillimanite ✚ ▲ Al2SiO5 = Al[6]Al[4]OSiO4 NAME ORIGIN: Named after the American chemist and mineralogist, B. Silliman (1779-1824).
Silver ▲ Ag NAME ORIGIN: Anglo-Saxon, of unknown origin.
Silver amalgam (Hg) * (see Amalgam) See Also: GOOGLE, Athena, MinDAT, MinMax
Silver Glance * (see Acanthite) See Also: GOOGLE, Athena, MinDAT, MinMax
Silver Glance * (see Argentite) See Also: GOOGLE, Athena, MinDAT, MinMax
Silvialite ! ▲ (Ca,Na)4Al6Si6O24(SO4,CO3) NAME ORIGIN: Named for Silvia Hillebrand, daughter of G. Tschermak, was first suggested in 1914 for the then-hypothetical SO4 analog of meionite.
Simferite ▲ Li(Mg,Fe+++,Mn+++)2(PO4)2 NAME ORIGIN: Named for the city of Simferpol, Crimea, Urkrane.
Simmonsite ! ▲ Na2LiAlF6 NAME ORIGIN: Named after William B. "Skip" Simmons (b. 1943), University of New Orleans, New Orleans, Louisiana, U.S.A., specialist in the mineralogy and petrology of granitic pegmatites, especially t
Simonellite ▲ C19H24 NAME ORIGIN: Named for Vittorio Simonelli (1860-1929), Italian geologist and paleontologist, University of Bologna, Italy.
Simonite ▲ TlHgAs3S6 NAME ORIGIN: Named in 1982 for Simon Engel, son of Peter Engel (b.1942), Swiss crystalographer.
Simonkolleite ▲ Zn5(OH)8Cl2·(H2O) NAME ORIGIN: Named for Werner Simon (1939-) and Kurt Kolle (1949-), mineral collectors from Conrberg, Germany.
Simplotite ▲ CaV++++4O9·5(H2O) NAME ORIGIN: Named for Jack R. Simplot (1909-) of the Simplot Mining Co., Boise, Idaho, USA.
Simpsonite ▲ Al4(Ta,Nb)3O13(OH) NAME ORIGIN: Named for Edward Sydney Simpson (1875-1939), Western Australian government mineralogis and mineral analyst.

Sincosite Ca(V++++O)2(PO4)2·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Sincos, Dept. Junin, Peru, about 160 km E of Lima.
Sinhalite MgAlBO4
Sinjarite CaCl2·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Sinjar, W of Mosul, Iraq.
Sinkankasite H2MnAl(PO4)2(OH)·6(H2O) NAME ORIGIN: Named for John Sinkankas (1915-2002), Captain, U.S. Navy, and author of books on minerals and gems.
Sinnerite Cu6As4S9 NAME ORIGIN: Named for Rudolph von Sinner (1890-1960), President of the Commission of the Natural History Museum, Bern, Switzerland.
Sinoite Si2N2O NAME ORIGIN: Named in 1964 for the composition (SiNO).
Siserskite * (see Osmium) See Also: GOOGLE, Athena, MinDAT, MinMax
Sismondine * (see Magnesiochloritoid) See Also: GOOGLE, Athena, MinDAT, MinMax
Sismondine(Mg) * (see Chloritoid) See Also: GOOGLE, Athena, MinDAT, MinMax
Sitinakite Na2K(Ti,Nb)4O4(SiO4)2(O,OH)·4(H2O)
Sjoegrenite * (see Sjogrenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sjogrenite Mg6Fe++2(CO3)(OH)14·5(H2O)
Skaergaardite ! CuPd NAME ORIGIN: Named for the locality. LOCALITY: Skaergaard intrusion, Kangerdlugssuaq area, East Greenland.
Skinnerite Cu3SbS3 NAME ORIGIN: Named for Brian J. Skinnner, Yale University, New Haven, Connecticut, USA.
Skippenite Bi2Se2(Te,S) NAME ORIGIN: Named for George Skippen, Carleton University, Ottawa, Canada.
Skleroklas * (see Sartorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sklodowskite (H3O)2Mg(UO2)2(SiO4)2·4(H2O) NAME ORIGIN: Named for Marie Curie-Sklodowska (1867 - 1934), Polish-born French researcher of radioactive minerals. Discoverd the element radium.
Skutterudite (Co,Ni)As3-x NAME ORIGIN: Named after its locality. Smaltite In reference to smalt, a deep blue glaze in which this mineral was used to furnish the necessary cobalt. LOCALITY: Skutterud, Norway.
Slavikite NaMg2Fe+++5(SO4)7(OH)6·33(H2O) NAME ORIGIN: Named after the Czech mineralogist, Frantisek Slavik (1876-1957).
Slawsonite (Sr,Ca)Al2Si2O8 NAME ORIGIN: Named for Chester Baker Slawson (1898-1964, Mineralogist AT THE University of Michigan, Ann Arbor, Michigan, USA.
Smaltite * (see Skutterudite) See Also: GOOGLE, Athena, MinDAT, MinMax
Smaragdite - emerald green * (see Actinolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Smectite * (see Rectorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Smirnite Bi2Te++++O5 NAME ORIGIN: Named for Vladimir Ivanovich Smirnov (1910-1988), Russian economic geologist and department chairman, University of Moscow.
Smirnovskite * (see Brockite) See Also: GOOGLE, Athena, MinDAT, MinMax
Smithite AgAsS2 NAME ORIGIN: Named for George Frederick Smith (1872-1953), crystallographer of the British Museum, London, England.
Smithsonite ZnCO3 NAME ORIGIN: Named after James Smithson (1765-1829), English mineralogist who financed the founding of the Smithsonian Institution in Washington, DC, USA.
Smoky Quartz - brown to black * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax

Smolianinovite (Co,Ni,Mg,Ca)3(Fe+++,Al)2(AsO4)4·11(H2O) NAME ORIGIN: Named for Nikolai A. Smoljaninov (1885-1957), Mineralogist, Moscow Univerisity, Russia.
Smrkovecite ! Bi2O(OH)(PO4) NAME ORIGIN: Named for the locality. LOCALITY: Smrkovec, Slavkovsky Mt, Marianske Lazne, Czech Republic.
Smythite (Fe,Ni)9S11 or (Fe,Ni)13S16 NAME ORIGIN: Named for Charles Henry Smyth (1866-1937), economic geologist and petrologist of Princeton University, New Jersey, USA.
Soapstone * (see Talc) See Also: GOOGLE, Athena, MinDAT, MinMax
Sobolevite Na11(Na,Ca)4(Mg,Mn)Ti++++4(Si4O12)(PO4)4O5F3 NAME ORIGIN: Named for Vladimir S. Sobolev (1908-1982), Soviet petrologist and former President of the Internatinal Mineralogical Association.
Sobolevskite PdBi NAME ORIGIN: Named for Petr Grigorevich Sobolevski (1781-1841), Russian metallurgist, who studied the platinum deposits of the Ural Mountains.
Sobotkite ? (K,Ca0.5)0.33(Mg,Al)3(Si3Al)O10(OH)2·1-5(H2O) NAME ORIGIN: Named in 1976 for the locality. LOCALITY: Mt. Sobotka, Godolow-Jordanow massif, Wiry, Lower Silesia, Poland.
Sobotkite-Aluminian * (see Saponite) See Also: GOOGLE, Athena, MinDAT, MinMax
Soda * (see Natron) See Also: GOOGLE, Athena, MinDAT, MinMax
Soda Microcline * (see Anorthoclase) See Also: GOOGLE, Athena, MinDAT, MinMax
Soda Niter * (see Nitratine) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodalite Na8Al6Si6O24Cl2 NAME ORIGIN: Named from its chemical composition.
Soddyite (UO2)2SiO4·2(H2O) NAME ORIGIN: Named for Frederick Soddy (1877-1956), British radiochemist and physicist.
Sodic-ferri-ferropedrizite ! NaLi2(Fe+++2Fe++3)Si8O22(OH)2 NAME ORIGIN: Named for the locality and the Fe++ and Fe+++ clinoamphiboles. LOCALITY: Pedriza Massif, Sierra del Guadarrama, Spain.
Sodic-ferriclinoferroholmquistite * (see Ferri-clinoholmquistite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodic-ferripedrizite ! Na(LiNa)(Fe+++2Mg2Li)Si8O22(OH,F)2 NAME ORIGIN: Named for the locality and the prefixes "ferri" and "sodic" as recommended by the amphibole commission. LOCALITY: In the Arroyo de la Yedra, Eastern Pedriza Massif, Sierra de Guadarrama, Central System, Spain.
Sodic-ferro-anthophyllite ! NaFe++7Si8O22(OH)2 NAME ORIGIN: From its compostition and from the Latin anthophyllum - "clove" in allusion to the color.
Sodic-ferrogedrite ! NaFe++6AlSi6Al2O22(OH)2 NAME ORIGIN: Named for its composition and the original gederite location at Heas, Gedres, France.
Sodicanthophyllite NaMg7Si8O22(OH)2 NAME ORIGIN: From its compostition and from the Latin anthophyllum - "clove" in allusion to the color.
Sodicgedrite NaMg6AlSi6Al2O22(OH)2 NAME ORIGIN: Named for its composition and the original gederite location at Heas, Gedres, France.
Sodium bicarbonate * (see Nahcolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium Chloride * (see Halite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium Citrate * (see Earlandite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium colbalt thiocyanate * (see Julienite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium Fluoride * (see Villiaumite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium hydromica * (see Brammallite) See Also: GOOGLE, Athena, MinDAT, MinMax

Sodium illite * (see Brammallite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium meta-autunite ! ▲ Na2(UO2)2(PO4)2·6-8(H2O) NAME ORIGIN: Named after sodium autunite with the loss of hydration water.
Sodium phlogopite * (see Aspidolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium-alum ✚▲ NaAl(SO4)2·12(H2O)
Sodium-anthophyllite * (see Sodicanthophyllite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium-autunite ▲ Na2(UO2)2(PO4)2·8(H2O) NAME ORIGIN: Named after autunite and the composition containing sodium.
Sodium-betpakdalite ▲ (Na,Ca)3Fe+++2(As2Mo6O28)·15(H2O) NAME ORIGIN: Named for the chemistry and similarity to betpakdalite.
Sodium-boltwoodite ▲ (H3O)(Na,K)(UO2)SiO4·(H2O)
Sodium-gedrite * (see Sodicgedrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium-Komarovite * (see Na-komarovite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodium-pharmacosiderite ▲ (Na,K)2Fe+++4(AsO4)3(OH)5·7(H2O) NAME ORIGIN: Named for the sodium in the composition and its relationship to pharmacosiderite.
Sodium-uranospinite ▲ (Na2,Ca)(UO2)2(AsO4)2·5(H2O)
Sodium-zippeite ▲ Na4(UO2)6(SO4)3(OH)10·4(H2O) NAME ORIGIN: Named for its composition and for Franz Xaver Maxmillian Zippe (1791-1863), Austrian mineralogist.
Sodiumdachiardite - renamed Dachiardite-Na * (see Dachiardite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodiumphlogopite * (see Aspidolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sodiumphlogopite * (see Wonesite) See Also: GOOGLE, Athena, MinDAT, MinMax
Soehngeite * (see Sohngeite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sofiite * (see Sophiite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sogdianite ▲ (K,Na)2(Li,Fe+++,Al)3ZrSi12O30
Sohngeite ▲ Ga(OH)3
Sokolovaite ! ▲ CsLi2AlSi4O10F2 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Solongoite ▲ Ca2B3O4(OH)4Cl
Sonolite ▲ Mn9(SiO4)4(OH,F)2
Sonoraite ▲ Fe+++Te++++O3(OH)·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Moctezuma mine, Moctezuma, Sonora, Mexico.
Sopcheite ▲ Ag4Pd3Te4 NAME ORIGIN: Named for the locality. LOCALITY: Sopcha massif, Monchegorsk pluton, Kola, Russia.
Sophiite ▲ Zn2(SeO3)Cl2 NAME ORIGIN: Named for Sophia Ivanovna Noboko (1909-), Russian volcanoloist and mineralogist, a leading investigator of the Kamchatka volcanos.
Sorbyite ▲ Pb19(Sb,As)20S49 NAME ORIGIN: Named for Henry Clifton Sorby (1826-1908), English chemist and the founder of metallography.
Sorensenite ▲ Na4SnBe2Si6O18·2(H2O) NAME ORIGIN: Named for Henning Sorensen (1926-), emeritus professor, Hakkaido University, Sapporo.
Sorosite ! ▲ Cu(Sn,Sb) NAME ORIGIN: Named after George Soros (1930-), well-known American financier, in recognition of his important support to science.
Sosedkoite ▲ (K,Na)5Al2(Ta,Nb)22O60 NAME ORIGIN: Named for A. F. Sosedko (1901-1957), Russian mineralogist.
Soucekite ▲ PbCuBi(S,Se)3 NAME ORIGIN: Named for Frantisek Soucek,

Department of Mineralogy, Charles University, Prague, Czechoslovakia.
Souesite * (see Awaruite) See Also: GOOGLE, Athena, MinDAT, MinMax
Soufre * (see Sulfur) See Also: GOOGLE, Athena, MinDAT, MinMax
Souzalite (Mg,Fe++)3(Al,Fe+++)4(PO4)4(OH)6·2(H2O) NAME ORIGIN: Named for J. A. De Souza (1896-1961), director of Departamento Nacional de Producao Minera, Brazil.
Spadaite MgSiO2(OH)2·(H2O) (?)
Spangolite Cu6Al(SO4)(OH)12Cl·3(H2O) NAME ORIGIN: Named after Norman Spang (1889-1954), American mineral collector, USA.
Spathose iron * (see Siderite) See Also: GOOGLE, Athena, MinDAT, MinMax
Spectrolite * (see Labradorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Specularite * (see Hematite) See Also: GOOGLE, Athena, MinDAT, MinMax
Spenceite * (see Tritomite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Spencerite Zn4(PO4)2(OH)2·3(H2O)
Sperrylite PtAs2 NAME ORIGIN: Named after its discoverer, the American chemist, Francis L. Sperry of Tallmadge, Ohio, USA..
Spertiniite Cu(OH)2
Spessartine Mn++3Al2(SiO4)3 NAME ORIGIN: Named after its locality. LOCALITY: Aschaffenburg, Spessart Mountains, Bavaria, Germany
Spessartite * (see Spessartine) See Also: GOOGLE, Athena, MinDAT, MinMax
Sphaerobertrandite Be3SiO4(OH)2 NAME ORIGIN: The name alludes to the typical spherulitic morphology and the similarity to bertrandite in the main chemical constituents.
Sphaerobismoite Bi2O3 NAME ORIGIN: For the form of the aggregates and the composition.
Sphaerocobaltite CoCO3 NAME ORIGIN: Named for the composition and form.
Sphalerite (Zn,Fe)S NAME ORIGIN: From the Greek sphaleros - "misleading."
Sphene * (see Titanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Spheniscidite (NH4,K)(Fe+++,Al)2(PO4)2(OH)·2(H2O) NAME ORIGIN: Named for "Spheniscidae," the Latin order name or penguins.
Spinel MgAl2O4 NAME ORIGIN: Of uncertain origin, possibly derived from Latin, spina, for "thorn" in allusion to sharply-pointed crystals.
Spionkopite Cu1.4S NAME ORIGIN: Named for the locality. LOCALITY: Spionkop Creek and Yarrow Creek areas of southwestern Alberta, Canada.
Spiroffite (Mn,Zn)2Te3O8 NAME ORIGIN: Named for Kiril Spiroff (1901-1981), Bulgarian-American economic geologist, Michigan College of Mining and Technology.
Spodiophyllite ? (Na,K)4(Mg,Fe++)3(Fe+++,Al)2(Si8O24)
Spodiosite ? Ca2(PO4)F NAME ORIGIN: Named in 1872 from the Greek for "ash gray", in allusion to the color.
Spodumene LiAlSi2O6 NAME ORIGIN: Spodumene is from the Greek, spodoumenos, "burnt to ash," alluding to the ashy color of early specimens. Kunzite is named after the American gem expert, G. F. Kunz (1856-1932). Hiddenit
Spriggite ! Pb3[(UO2)6O8(OH)2](H2O)x; x ~ 3 NAME ORIGIN: Named for Reginald Claude Sprigg (1919-1994), South Australian Geological Survey.
Springcreekite ! BaV+++3(PO4)2(OH,H2O)6 NAME ORIGIN: Named after the locality. LOCALITY: The dumps of the Spring Creek copper mine near Wilminton,

Southern Flinders Ranges, South Australia.
Spurrite Ca5(SiO4)2(CO3)
Squawcreekite ? (Fe+++,Sb+++++,W++++++)O4·(H2O) NAME ORIGIN: Named in 1991after its locality. LOCALITY: Type locality is Squaw Creek, Catron County, New Mexico.
Squawcreekite * (see Tripuhyite) See Also: GOOGLE, Athena, MinDAT, MinMax
Srbianite * (see IMA1995-020a) See Also: GOOGLE, Athena, MinDAT, MinMax
Srebrodolskite Ca2Fe+++2O5
Srilankite (Ti,Zr)O2 NAME ORIGIN: Named for the locality. LOCALITY: Rakwana mine, Sabaragamuva, Sri Lanka.
Stalderite TlCu(Zn,Fe,Hg)2As2S6 NAME ORIGIN: For Prof. Dr. Hans A. Stalder (1925-) of the Natural History Museum, Berne, Switzerland.
Stanekite ! Fe+++(Mn,Fe++,Mg)(PO4)O NAME ORIGIN: Named after Josef Stanek (1928-1995), Professor of Mineralogy, Masarykov University, Brno, Czech Republic, a specialist in phosphate mineralogy.
Stanfieldite Ca4(Mg,Fe++,Mn)5(PO4)6 NAME ORIGIN: Named for Stanley Field (1875-1964), former Chairman of the Board of Turstees of the Field Museum of Natural History, Chicago, Illinois, USA.
Stanleyite (V++++O)SO4·6(H2O) NAME ORIGIN: Named for Henry Morton Stanley (1841-1904), British journalist and explorer ("Dr. Livinston I presume?")
Stannite Cu2FeSnS4 NAME ORIGIN: From the Latin stannum - "tin."
Stannoidite Cu8Fe3Sn2S12 NAME ORIGIN: Named for its similarity to stannite.
Stannomicrolite (Sn++,Fe++,Mn++)(Ta,Nb,Sn++++)2(O,OH)7 NAME ORIGIN: Named for tin (STANNum), in the formula and membership in the microlite subgroup of the pyrochlore group.
Stannopalladinite (Pd,Cu)3Sn2 (?) NAME ORIGIN: Named for the composition.
Staringite-mixture with cassiderite * (see Ferrotapiolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Staringite-mixture with ferrotapiolite * (see Cassiterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Starkeyite MgSO4·4(H2O)
Staurolite (Fe++,Mg)2Al9(Si,Al)4O20(O,OH)4 NAME ORIGIN: From the Greek, stauros - "cross" and lithos - "stone" in allusion to the common cross shaped twins of the crystals.
Staurotide * (see Staurolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Steacyite K1-x(Ca,Na)2ThSi8O20 (x=0.2 to 0.4) NAME ORIGIN: Named for Harold R. Steacy, formerly Curator of the National Mineral Collection, Geological Survey of Canada, Ottawa, Canada.
Steatite - massive * (see Talc) See Also: GOOGLE, Athena, MinDAT, MinMax
Steenstrupine-(Ce) Na14Ce6Mn++Mn+++Fe++2(Zr,Th)(Si6O18)2(PO4)7·3(H2O) NAME ORIGIN: Name for Knud Hohannes Vogelius Steenstrup (1842-1913), geologist, Copenhagen, Denmark.
Steigerite AlVO4·3(H2O) NAME ORIGIN: Named for George Steiger (1869-1944), Chief chemist, U. S. Gological Survey.
Stellerite CaAl2Si7O18·7(H2O) NAME ORIGIN: Named after Georg Wilhelm Steller (1709-1746), German explorer, zoologist and the discoverer of the Komandor Islands.

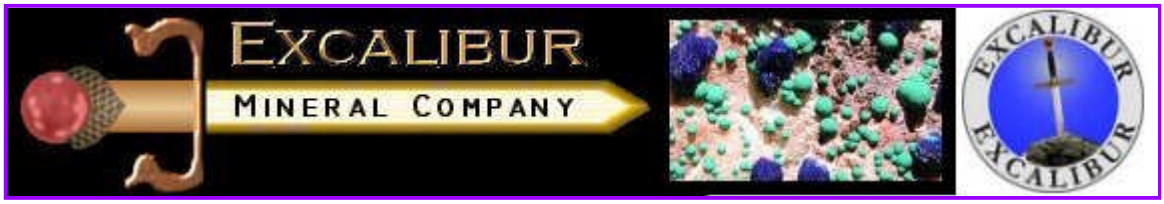
Stenhuggarite CaFe+++(As+++O2)(As+++Sb+++O5) NAME ORIGIN: Named from the Swedish for "stonemason", in honor of Brian Harold Mason (1917-), U.S. National Museum, Washington, D.C., USA for his Langban deposit studies.
Stenonite (Sr,Ba,Na)2Al(CO3)F5
Stepanovite NaMgFe+++(C2O4)3·8-9(H2O) NAME ORIGIN: Namde for Pavel Ivanovich Stepanov (1880-1047), Russian geologist.
Stephanite Ag5SbS4 NAME ORIGIN: Named after Archduke Victor Stephan (1817-1867). Former Austrian Mining Director and engineer,
Stercorite H(NH4)Na(PO4)·4(H2O)
Sterlinghillite Mn++3(AsO4)2·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Sterling Hill Mine, Ogdensburg, New Jersey, USA.
Sternbergite AgFe2S3 NAME ORIGIN: Named for Count Casper Maria Sternberg (1761-1838), of the National Museum in Prague.
Sterrettite * (see Kolbeckite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sterryite Ag2Pb10(Sb,As)12S29 NAME ORIGIN: Named for T. Sterry Hunt (1826-1892), first mineralogist with the Geological Survey of Canada.
Stetefeldtite Ag2Sb2O6(O,OH) NAME ORIGIN: Named for Carl A. Stetefeld (1838-1896), German-American mining engineer.
Stevensite (Ca0.5,Na)0.33(Mg,Fe++)3Si4O10(OH)2·n(H2O) NAME ORIGIN: Named for E. A. Stevens, founder of Stevens Institute of Technology, Hoboken, New Jersey, USA.
Stewartite Mn++Fe+++2(PO4)2(OH)2·8(H2O) NAME ORIGIN: Named after it's locality. LOCALITY: Stuart mine, Queen Mountains, Pala, San Diego Co., California.
Stibarsen SbAs NAME ORIGIN: Named for its composition of antimony (Latin=stibium) and arsenic.
Stibiconite Sb+++Sb+++++2O6(OH) NAME ORIGIN: From the Latin stibium - "antimony" and the Greek konis - "powder."
Stibiobetafite (Sb+++,Ca)2(Ti,Nb,Ta)2(O,OH)7 NAME ORIGIN: Named for antimony (STIBium) in its composition and membership in the betafite subgroup of the pyrochlore group.
Stibiocolumbite SbNbO4
Stibiocolusite Cu13V(Sb,As,Sn)3S16 NAME ORIGIN: Named in 1992 for its relationship to colusite.
Stibioenargite * Cu3(Sb,As)S4
Stibiomicrolite (Sb,Ca,Na)2(Ta,Nb)2(O,OH)7 NAME ORIGIN: Named for antimony (STIBium) in the composition and membership in the microlite subgroup of the pyrochlore group.
Stibiopalladinite Pd5Sb2 NAME ORIGIN: Named for the composition.
Stibiotantalite SbTaO4
Stibium * (see Stibnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Stibivanite Sb+++2V++++O5
Stibnite Sb2S3 NAME ORIGIN: From the Greek, stimmi or stibi, "antimony," thence to the Latin, stibium. Also from the Greek anthemon, "flower" in allusion to the form of crystal druses.
Stichtite Mg6Cr2(CO3)(OH)16·4(H2O) NAME ORIGIN: Named after Robert Sticht, director of a mining corporation.
Stilbite * (see Stilbite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Stilbite-Ca NaCa4[Al8Si28O72]·n(H2O) (n=28-32) NAME ORIGIN: From the

Greek stilbe - "luster" in allusion to the pearly to vitreous luster. Ca modifier added by zeolite committee.
Stilbite-Na ! ▲ Na3Ca3[Al8Si28O72]·n(H2O) (n=28-32) NAME ORIGIN: From the Greek stilbe - "luster" in allusion to the pearly to vitreous luster. The Na-dominant member of the stilbite series.
Stilleite ▲ ZnSe NAME ORIGIN: Named for Hans Stille (1876-1966), distinguished German geologist.
Stillwaterite ▲ Pd8As3 NAME ORIGIN: Named after its locality. LOCALITY: Stillwater Complex, Nye County, Montana, USA.
Stillwellite-(Ce) ▲ (Ce,La,Ca)BSiO5 NAME ORIGIN: Named for Frank Leslie Stillwell (1888-1963), Australian ore mineralogist and the dominant Ce content.
Stilpnomelane ▲ K(Fe++,Mg,Fe+++)8(Si,Al)12(O,OH)27·n(H2O) NAME ORIGIN: From the Greek for "shining" and "black", in allusion to its luster and color.
Stishovite ▲ SiO2
Stistaite ▲ SnSb NAME ORIGIN: Named for the composition of stibium (antimony) and stannum (tin).
Stoiberite ▲ Cu5V+++++2O10
Stokesite ▲ CaSnSi3O9·2(H2O)
Stolzite ▲ PbWO4 NAME ORIGIN: Named after Joseph Alexis Stolz (1803-1896) from Teplice, Czechoslovakia.
Stoppaniite ! ▲ (Fe,Al,Mg)4(Na,[ ])2[Be6Si12O36]·2(H2O) NAME ORIGIN: Named for the mineral collector Francesco Saverio Stoppani (1947-).
Stottite ▲ Fe++Ge(OH)6
Straczekite ▲ (Ca,K,Ba)2V8O20·3(H2O) NAME ORIGIN: Named for John A. Straczed (1914-), U. S. Geologist.
Straetlingite * (see Stratlingite) See Also: GOOGLE, Athena, MinDAT, MinMax
Strakhovite ▲ NaBa3(Mn++,Mn+++)4Si6O19(OH)3 NAME ORIGIN: For N. M Strakhov (1900-1978), for his contributions to the study of sedimentary ore deposits and phosphorites.
Stranskiite ▲ Zn2Cu++(AsO4)2
Strashimirite ▲ Cu8(AsO4)4(OH)4·5(H2O) NAME ORIGIN: Named after Strashimir Dimitrov, Bulgarian petrographer.
Stratlingite ▲ Ca2Al[(OH)6AlSiO2-3(OH)4-3]·2,5(H2O)
Stratopeite * (see Neotocite) See Also: GOOGLE, Athena, MinDAT, MinMax
Strelkinite ▲ Na2(UO2)2V2O8·6(H2O) NAME ORIGIN: Named for M. F. Strelkin (1905-1965), mineralogist interested in uranium ores, Russia.
Strengite ▲ Fe+++PO4·2(H2O) NAME ORIGIN: Named after Johann August Streng (1830-1897), German mineralogist, University of Giessen, Germany.
Stringhamite ▲ CaCuSiO4·2(H2O) NAME ORIGIN: Named for Bronson F. Stringham (1907-1968), University of Utah.
Stromeyerite ▲ AgCuS NAME ORIGIN: Named after Friedrich Stromeyer (1776-1835), German mineralogiist and chemist,
Stronalsite ▲ SrNa2Al4Si4O16 NAME ORIGIN: Named for its composition (Strontium, Na, Al, Si).
Strontianite ▲ SrCO3 NAME ORIGIN: Named after its containing the element Strontium.
Strontio-orthojoaquinite ▲ (Na,Fe++)2Ba2Sr2Ti2[Si4O12]2(O,OH)2·(H2O) NAME ORIGIN: Named after its composition, orthorhombic crystal structure, and the relationship to joaquinite (named for Joaquin Ridge, Diablo Range, California,

USA).
Strontioborite SrB8O11(OH)4
Strontiochevkinite (Sr,REE)4Fe(Ti,Zr)2Ti2Si4O22 NAME ORIGIN: Named as the Sr analog of chevkinite.
Strontiodresserite (Sr,Ca)Al2(CO3)2(OH)4·(H2O)
Strontioginorite (Sr,Ca)2B14O23·8(H2O)
Strontiojoaquinite (Na,Fe++)2Ba2Sr2Ti2[Si4O12]2(O,OH)2·(H2O) NAME ORIGIN: Named after its composition and the relationship to joaquinite (named for Joaquin Ridge, Diablo Range, California, USA).
Strontiomelane ! SrMn++++6Mn+++2O16 NAME ORIGIN: The name reflects the presence of strontium and the black color, melanos in Greek.
Strontiopiemontite (Ca,Mn++)(Sr,Ca)Mn+++(Al,Mn+++,Fe+++)2(SiO4)(Si2O7)O(OH) NAME ORIGIN: From its strontium content and similarity to piemontite.
Strontiopyrochlore * Sr2Nb2(O,OH)7
Strontiowhitlockite Sr7(Mg,Ca)3(PO4)6[PO3(OH)] NAME ORIGIN: Named as the stronium analog of whitlockite.
Strontium Hilgardite * (see Kurgantaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Strontium-apatite (Sr,Ca)5(PO4)3(F,OH) NAME ORIGIN: Named for the composition and resemblance to the apatites.
Strontiumbrewsterite * (see Brewsterite-Sr) See Also: GOOGLE, Athena, MinDAT, MinMax
Strueverite * (see Struverite) See Also: GOOGLE, Athena, MinDAT, MinMax
Strunzite Mn++Fe+++2(PO4)2(OH)2·6(H2O) NAME ORIGIN: Named for Hugo Strunz (1910-), mineralogist, Berlin, who authored the Strunz system of mineral classification.
Struverite (Ti,Ta,Fe+++)O2 NAME ORIGIN: Named for Giovanni Struver (1842-1915), mineralogist, University of Rome, Italy.
Struvite (NH4)MgPO4·6(H2O) NAME ORIGIN: Named after the Russian diplomat, H. G. von Struve (1772-1851).
Struvite-K ! KMg(PO4)·6(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Studenitsite NaCa2[B9O14(OH)4]·2(H2O) NAME ORIGIN: For the Serbian cloister Studenitsa near the occurrence.
Studtite [(UO2)O2(H2O)2](H2O)2 NAME ORIGIN: Named for Franz Edward Studt, Belgian prospector and geologist, author of the first geological map (1913) of Shava, Zaire.
Stuetzite * (see Stutzite) See Also: GOOGLE, Athena, MinDAT, MinMax
Stumpflite Pt(Sb,Bi) NAME ORIGIN: Named for Eugen Friedrich Stumpfl (1931-), Mineralogist, Mining University Leoben, Austria.
Sturmanite Ca6(Fe+++,Al,Mn++)2(SO4)2[B(OH)4](OH)12·25(H2O) NAME ORIGIN: Named for B. Darko Sturman (1937-), Canadian mineralogist, Royal Ontario Museum, Toronto, Canada.
Sturtite * (Fe3+)(Mn2+,Ca,Mg)Si4O10(OH)3·10(H2O) NAME ORIGIN: Named for C. Sturt.
Sturtite * (see Hisingerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sturtite * (see Neotocite) See Also: GOOGLE, Athena, MinDAT, MinMax
Stutzite Ag5-xTe3,(x=0.24-0.36) NAME ORIGIN: Named for Andreas Stutz (1747-1806), Austrian mineralogist.
Stypticite * (see Fibroferrite) See Also: GOOGLE, Athena, MinDAT, MinMax

Suanite Mg2B2O5
Succinite * (see Amber) See Also: GOOGLE, Athena, MinDAT, MinMax
Sudburyite (Pd,Ni)Sb NAME ORIGIN: Name for the locality. LOCALITY: Copper Cliff South mine and Frood mine, Sudbury district, Ontario, Canada
Sudoite Mg2(Al,Fe+++)3Si3AlO10(OH)8 NAME ORIGIN: Named for Toshio Sudo (1911-), University of Tokyo, Japan.
Sudovikovite ! PtSe2 NAME ORIGIN: For N. G. Sudovikov (1903-1966), noted Russian petrologist.
Suessite (Fe,Ni)3Si NAME ORIGIN: Named for Hans E. Suess (1909-1957), U.S. Newspaper ppublisher and researcher on iron meteorites.
Sugilite KNa2(Fe++,Mn++,Al)2Li3Si12O30 NAME ORIGIN: Named for Ken-ichi Sugi (1901-1948), Japanexe petrologist
Sukulaite * (see Stannomicrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sulfatic cancrinite * (see Vishnevite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sulfoborite Mg3B2(SO4)(OH)8(OH,F)2
Sulfur S8 NAME ORIGIN: Sanskrit, sulvere = "sulfur;" Latin sulphurium.
Sulphohalite Na6(SO4)2FCl NAME ORIGIN: Named after its composition of sulfate plus NaCl (halite). .
Sulphotsumoite Bi3Te2S NAME ORIGIN: Named in allusion to the chemical relationship with tsumoite.
Sulrhodite * (see Bowieite) See Also: GOOGLE, Athena, MinDAT, MinMax
Sulvanite Cu3VS4 NAME ORIGIN: Named after sulfur (sul) and vanadium (van) in the chemical formula.
Sundiusite Pb10(SO4)Cl2O8 NAME ORIGIN: Named for Nils Sundius (1886-1976), Swedish mineralogist.
Sunstone * (see Oligoclase) See Also: GOOGLE, Athena, MinDAT, MinMax
Suolunite Ca2Si2O5(OH)2·(H2O)
Suredaite ! PbSnS3 NAME ORIGIN: The name honors R. J. Sureda Leston, head of the Department of Mineralogy end Economic Geology, University of Salta, Argentina.
Surinamite (Mg,Fe++)3Al4BeSi3O16
Surite (Pb,Cu)2-3(CO3)1.5-2(OH,F)0.5-1[(Al,Fe+++)2(Si,Al)4O10(OH)2]·n(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Cruz del Sur mine, Rio Negro Province, Argentina.
Surkhobite ! (Ca,Na)(Ba,K)(Fe++,Mn)4Ti2(Si4O14)O2(F,OH,O)3 NAME ORIGIN: Named for the locality. LOCALITY: Serkhob River Basin, Dara-i-Pioz massif, Central Tajikistan.
Sursassite Mn++2Al3(SiO4)(Si2O7)(OH)3
Susannite Pb4(SO4)(CO3)2(OH)2
Sussexite MnBO2(OH)
Suzukiite BaVO(SiO3)2 NAME ORIGIN: Named for Jan Suzuki (1996-1970), mineralogist and petrologist at Hokkaido University, Sapporo.
Svabite Ca5(AsO4)3F NAME ORIGIN: Named for Anton Svab (1703-1768), Swedish mining official.
Svanbergite SrAl3(PO4)(SO4)(OH)6 NAME ORIGIN: Named for Lars F. Svanberg (1805-1878), Swedish chemist.
Sveite KAl7(NO3)4Cl2(OH)16·8(H2O) NAME ORIGIN: Named for Sociedad Venezolana de Espeleolgia.
Svenekite ! Ca(H2AsO4)2 NAME ORIGIN: Commission on New Minerals and

Mineral Names (CNMMN)
Sverigeite NaMnMgSn++++Be2Si3O12(OH)
Svetlozarite - twinned * (see Dachiardite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax
Svetlozarite - twinned * (see Dachiardite-Na) See Also: GOOGLE, Athena, MinDAT, MinMax
Svyatoslavite CaAl2Si2O8
Svyazhinite MgAl(SO4)2F·14(H2O) NAME ORIGIN: Named for Nikolai Vasilevich Svyazhin (1927-1967), Russian mineralogist.
Swaknoite (NH4)2Ca(HPO4)2·(H2O) NAME ORIGIN: Named for the acronym for the Siud Wes Aftica Karst Navorsing Organisasie (SWANKNO), a speleological association in Namibia.
Swamboite U++++++H6(UO2)6(SiO4)6·30(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Swambo, Shaba, Zaire.
Swartzite CaMg(UO2)(CO3)3·12(H2O) NAME ORIGIN: Named for Charles K. Swartz (1861-1949), geologist and mineralogist, John Hopkins University.
Swedenborgite NaBe4SbO7
Sweetite Zn(OH)2
Swelling chlorite * (see Corrensite) See Also: GOOGLE, Athena, MinDAT, MinMax
Swinefordite (Li,Ca0.5,Na)0.72(Li,Al,Mg)2.66(Si,Al)4O10(OH,F)2·2(H2O) NAME ORIGIN: Named for Ada Swineford (1917-1993), clay mineralogist and professor of geology at Western Washington State College, Bellingham, Washinton, USA.
Switzerite (Mn++,Fe++)3(PO4)2·7(H2O) NAME ORIGIN: Named for George Switzer, retired chairman of the Dept. of Mineral Sciences, Smithsonian
Sylvanite (Au,Ag)2Te4 NAME ORIGIN: Named after TranSYLVANia, for the part of Romainia where it was first found..
Sylvite KCl NAME ORIGIN: Named after the Dutch chemist, Sylvia de la Boe (1614-1672).
Symesite ! Pb10(SO4)O7Cl4·(H2O) NAME ORIGIN: Named for Robert Symes (1937-) of the Department of Mineralogy, the Natural History Museum (London) in recognition of his studies of the ore deposits of South-West England.
Symplesite Fe++3(AsO4)2·8(H2O) NAME ORIGIN: From the Greek, syn, "together" and plesiazein, "to associate."
Synadelphite (Mn,Mg,Ca,Pb)9(As+++O3)(As+++++O4)2(OH)9·2(H2O) (?) NAME ORIGIN: From the Greek for "with" and "brother," as it is commonly associated with several other chemically similar minerals.
Synchysite-(Ce) CaCe(CO3)2F NAME ORIGIN: Named for "confounding" having been mistaken for parisite and for the Ce end-member of the series.
Synchysite-(Nd) CaNd(CO3)2F NAME ORIGIN: Named for "confounding" having been mistaken for parisite and for the Nd end-member of the series.
Synchysite-(Y) CaY(CO3)2F NAME ORIGIN: Named for "confounding" having been mistaken for parisite and for the Y end-member of the series.
Syngenite K2Ca(SO4)2·(H2O)
Szaibelyite MgBO2(OH)
Szenicsite Cu3MoO4(OH)4 NAME ORIGIN: Named after its finders, Terry and Marissa Szenics.
Szmikite MnSO4·(H2O)
Szomolnokite Fe++SO4·(H2O)
Sztrokayite * Bi3TeS2
Szymanskiite Hg+16(Ni,Mg)6(H3O)8(CO3)12·3(H2O)



(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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T Index of Mineral Species

This alphabetical listing of **T minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Taaffeite * (see Magnesiotaaffeite-2N2S) See Also: GOOGLE, Athena, MinDAT, MinMax

Tacharanite Ca12Al2Si18O33(OH)36 NAME ORIGIN: Named from the Gaelic "tacharan," a changeling, because on standing in air the mineral breaks down to form other compounds (not noticed by later investigators).

Tachyhydrite CaMg2Cl6·12(H2O) NAME ORIGIN: From the Greek for "quick water", in allusion to its ready deliquescence.

Tadzhikite * (see Tadzhikite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax

Tadzhikite-(Ce) Ca4(Ce,Y)2(Ti,Al,Fe+++,[ ])2[Si4B4O22](OH)2 NAME ORIGIN: Named for the locality and its cerium content. LOCALITY: In the Dara-i-Pioz massif, Alai Range, Tien Shan, Tajikistan (Tadzhikistan).

Tadzhikite-(Y) ! Ca4(Y,Ce)2(Ti,Al,Fe+++,[ ])2[Si4B4O22](OH)2 NAME ORIGIN: Named for the locality and its yttrium content. LOCALITY: In the Dara-i-Pioz

massif, Alai Range, Tien Shan, Tajikistan (Tadzhikistan).
Taeniolite * (see Tainiolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Taenite gamma-(Fe,Ni) NAME ORIGIN: Named from the Greek for "band" in allusion to the flattened form.
Taikanite (Ba,Sr)2Mn+++2Si4O12
Taimyrite (Pd,Cu,Pt)3Sn NAME ORIGIN: Named for the locality. LOCALITY: Talnakh, Tiamyr Peninsula, Norilsk, Russia.
Tainiolite KLiMg2Si4O10F2 NAME ORIGIN: Named from the Greek for "band" or "strip", inallusion to hte tabular habit of the crystals.
Takanelite (Mn++,Ca)Mn++++4O8·(H2O) NAME ORIGIN: Named for Katsutoshi Takane (1899-1945), professor of mineralogy, Tohoku University, Sendai, Japan.
Takedaite Ca3(BO3)2 NAME ORIGIN: For Prof. Hiroshi Takeda (1934-) , of the Mineralogial Institute, University of Tokyo.
Takeuchiite Mg2Mn+++O2(BO3) NAME ORIGIN: Named for Yoshio Takeuchi (1924-), Japanese mineralogist
Takovite Ni6Al2(OH)16(CO3,OH)·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Takovo, Serbia.
Talc Mg3Si4O10(OH)2 NAME ORIGIN: From the Arabic.
Talmessite Ca2Mg(AsO4)2·2(H2O)
Talnakhite Cu9(Fe,Ni)8S16 NAME ORIGIN: Named for the locality. LOCALITY: Talnakh area, Taimyr Peninsula, Noril'sk region, Yakutiya, western Siberia, Russia
Tamaite ! (Ca,K,Ba,Na)3-4Mn24(Si,Al)40(O,OH)112·21(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Shiromaru mine, Okutama, Tama district, about 60 km from Tokyo, Japan.
Tamarugite NaAl(SO4)2·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Tamarugal Pampa, Cerro Pintado, Tarapaca, Chile
Tancoite HNa2LiAl(PO4)2(OH) NAME ORIGIN: Named for the locality. LOCALITY: Tanco spodumene-bearing pegmatite mine at Bernic Lake, MB, Canada.
Taneyamalite (Na,Ca)(Mn++,Mg)12[(Si,Al)6O17]2(O,OH)10 NAME ORIGIN: Named for the locality. LOCALITY: Taneyama mine, Kumamoto Prefecture and Iwaizama mine, Saitama Prefecture, Honshu, Japan.
Tangeite CaCu(VO4)(OH) NAME ORIGIN: Named for the locality. LOCALITY: Tange Gorge, Fergana Valley, Kyrgystan.
Tantalaeschynite-(Y) (Y,Ce,Ca)(Ta,Ti,Nb)2O6 NAME ORIGIN: Named for its composition and from the Greek for "shame," in allusion to the inability of chemists, at the time of its discovery, to separate some of its constituents.
Tantalcarbide ! TaC NAME ORIGIN: The name reflects its composition: tantalum and carbon.
Tantalite * (see Ferrotantalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tantalite * (see Manganotantalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tantalowodginite * (Mn2,[ ])4Ta4Ta8O32 NAME ORIGIN: Named for the composition.
Tantalum * Ta NAME ORIGIN: Greek, Tantalos = father of Niobe.
Tanteuxenite-(Y) (Y,Ce,Ca)(Ta,Nb,Ti)2(O,OH)6 NAME ORIGIN: Named for the composition (Tantalum) and the Greek for "friendly to strangers, hospitable," in allusion to the rare elements that it contains.

Tantite Ta2O5 NAME ORIGIN: Named for its composition (Tantalum).
Tanzanite - blue * (see Zoisite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tapiolite * (Fe,Mn)(Ta,Nb)2O6 NAME ORIGIN: Named in 1863 after the god Tapio of Finnish mythology. Now a group name.
Tapiolite * (see Ferrotapiolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Taramellite Ba4(Fe+++,Ti,Fe++,Mg)4(B2Si8O27)O2Clx (x=0 to 1) NAME ORIGIN: Named for Torquato Taramelli (1845-1922), Italian geologist.
Taramite Na(CaNa)Fe++3AlFe+++[Si6Al2O22](OH)2 NAME ORIGIN: Named after the locality. LOCALITY: Wali-tarama, Mariupol, Ukraine.
Taranakite K3Al5(HPO4)6(PO4)2·18(H2O)
Tarapacaite K2CrO4
Tarasovite * (see Rectorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tarbuttite Zn2(PO4)(OH) NAME ORIGIN: Named for Percy Coventry Tarbutt, director of the Broken Hill Explaration Co., Zambia.
Tarkianite ! (Cu,Fe)(Re,Mo)4S8 NAME ORIGIN: Named for Professor Mahmud Tarkian (1941-), of the University of Hamburg, Germany, for his contributions to ore mineralogy.
Tarnowitzite (Pb) * (see Aragonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Taseqite ! Na12Sr3Ca6Fe3Zr3NbSi25O73(O,OH,H2O)3Cl2 NAME ORIGIN: Named for the northern part of the complex, at theTaseq slope.
Tatarskite Ca6Mg2(SO4)2(CO3)2Cl4(OH)4·7(H2O) NAME ORIGIN: Named for Vitalii Borisovich Tatarskii (1907-), Russian mineralogist, Leningrad University.
Tatyanaite ! (Pt,Pd,Cu)9Cu3Sn4 NAME ORIGIN: Named for the Russian mineralogist Tatyana L. Evstigneeva (or Yestigneeva) (1945-).
Tausonite SrTiO3 NAME ORIGIN: Named for L. V. Tauson (1917-1989), Russian geochemist.
Tavorite LiFe+++(PO4)(OH) NAME ORIGIN: Named for Elysairio Tavora (1911-), mineralogist, University of Brazil, Rio de Janerio, Brazil.
Taylorite * (see Arcanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tazheranite CaTiZr2O8 NAME ORIGIN: Named for the locality. LOCALITY: Tazheran alkalic massif., W of Lake Baikal, Siberia, Russia.
Teallite PbSnS2 NAME ORIGIN: Named for Jethro Justinian Harris Teall (1849-1924), Director of the Geological Survey of Great Britain and Ireland.
Tedhadleyite ! Hg++Hg+10O4I2(Cl1.16Br0.84)2 NAME ORIGIN: Named for Ted A. Hadley (1961-) of Sunnyvale, California, who participated in the collection of the holotype specimen.
Teepleite Na2B(OH)4Cl
Tegengrenite ! (Mg,Mn++)2Sb+++++0.5(Mn+++,Si,Ti)0.5O4 NAME ORIGIN: Named for Felix Tegengren (1884-1980), a renowned Finlandic-Swedish economic geologist who wrote about the ore deposits of Sweden and China.
Teineite CuTeO3·2(H2O)
Telargpalite (Pd,Ag)3Te NAME ORIGIN: Named for the composition (Tel, Ag, Pd).
Tellurantimony Sb2Te3 NAME ORIGIN: Named for the composition.
Telluric Silver * (see Hessite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tellurite TeO2 NAME ORIGIN: Named after its containing tellurium (Latin, tellus = "earth").
Tellurium Te NAME ORIGIN: Named after the element, Latin, tellus = "earth."

Tellurobismuthite Bi2Te3 NAME ORIGIN: Named after its composition of tellurium and bismuth.
Tellurohauchecornite Ni9BiTeS8 NAME ORIGIN: Named for its chemical relationship to hauchecornite.
Telluronevskite ! Bi3TeSe2 NAME ORIGIN: Named as the Te analog of nevskite.
Telluropalladinite Pd9Te4 NAME ORIGIN: Named for the composition.
Telyushenkoite ! CsNa6[Be2(Si,Al)18O39F2] NAME ORIGIN: After Tamara Matveyevna Telyushenko (1930–1997), a petrographer who made major contributions to knowledge of the geology of Central Asia and who headed the Young Geologists' School of Ash
Temagamite Pd3HgTe3 NAME ORIGIN: Named for the locality. LOCALITY: Temagami Cu deposit, Temagami, Island, Ontario, Canada.
Temiskamite * (see Maucherite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tengchongite CaU++++++6Mo++++++2O25·12(H2O)
Tengerite-(Y) Y2(CO3)3·2-3(H2O) NAME ORIGIN: Named for C. Tenger, Swedish geologist.
Tennantite (Cu,Fe)12As4S13 NAME ORIGIN: Named after the English chemist, Smithson Tennant (1761-1815).
Tenorite CuO NAME ORIGIN: Named after the Italian botanist, M. Tenor (1781-1861).
Tephroite Mn2SiO4 NAME ORIGIN: From the Greek tephros - "ash gray" for its color.
Terlinguacreekite ! Hg++3O2Cl2 NAME ORIGIN: Named for the locality. LOCALITY: Perry Pit, Mariposa mine, Terlingua mining district, Brewster County, Texas, USA
Terlinguaite Hg+Hg++ClO NAME ORIGIN: Named after its locality. LOCALITY: Terlingua, Brewster Co., Texas, USA.
Ternesite ! Ca5(SiO4)2SO4 NAME ORIGIN: For Mr. B. Ternes of Mayen, Germany, who found the mineral and provided specimens for the study.
Ternovite ! (Mg,Ca)Nb4O11-n(H2O) where n ~ 10 NAME ORIGIN: Named after Vladimir Ivanovich Ternovoi (1928–1980), economic geologist, a pioneer in studies of the Kovdor phlogopite depost.
Terranovaite ! (Na,Ca)8(Si68Al12)O160-29(H2O) NAME ORIGIN: For the Italian Antarctic Station at Terranova Bay, Antarctica.
Terskite Na4Zr(H4Si6O18)
Tertschite Ca4B10O19·20(H2O) NAME ORIGIN: Named for Herman Tertsch (1880-1962), Austrian mineralogist.
Teruggite Ca4MgAs2B12O22(OH)12·12(H2O)
Teschemacherite (NH4)HCO3
Testibiopalladite PdTe(Sb,Te) NAME ORIGIN: Named for the composition, TEllurium, STIBnium (Latin for Antimony), BIsmuth, and PALLADIum.
Tetra-auricupride AuCu NAME ORIGIN: Named after its crystal symmetry and Au, Cu content.
Tetra-ferri-annite K(Fe++,Mg)3(Fe+++,Al)Si3O10(OH)2 NAME ORIGIN: Named in 1963 for the composition and relationship to annite. Renamed to Tetra-ferri-annite.
Tetra-ferriphlogopite ! KMg3Fe+++Si3O10(OH)2
Tetradymite Bi2Te2S NAME ORIGIN: From the Greek, tetradymos,

"fourfold."
Tetraferroplatinum ▲ PtFe NAME ORIGIN: Named for the composition (Fe, Pt) and crystal system.
Tetrahedrite ● ■ + ▲ (Cu,Fe)12Sb4S13 NAME ORIGIN: Name is derived from its crystal form.
Tetranatrolite ? ● ■ ▲ Na2[Al2Si3O10]·2(H2O) NAME ORIGIN: The name given in 1980 recognizes its association with and similarity in chemical composition to natrolite.
Tetranatrolite * (see Gonnardite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tetrarooseveltite ● ■ ▲ BiAsO4 NAME ORIGIN: Named as the tetragonal analog of rooseveltite.
Tetrataenite ● ▲ FeNi NAME ORIGIN: Named for taenite and the tetragonal crystal form of this polymorph.
Tetrawickmanite ● ■ ▲ Mn++Sn++++(OH)6 NAME ORIGIN: Named as the tetragonal analog of wickmanite.
Texasite * (see Zaratite) See Also: GOOGLE, Athena, MinDAT, MinMax
Thadeuite ● ▲ (Ca,Mn++)(Mg,Fe++,Mn+++)3(PO4)2(OH,F)2 NAME ORIGIN: Namd for Decio Thadeu, Technical University, Lisbon, Portugal, for his studies on Portuguese ore deposits.
Thalcusite ● ▲ TlCu3FeS4 NAME ORIGIN: Named for the composition, THALlium, CUprum (Copper), and Sulfur.
Thalenite-(Y) ● ■ ▲ Y3Si3O10(OH) NAME ORIGIN: Named for Tobins Robert Thalen (1827-1905), Swedish physicist.
Thalfenisite ● ■ ▲ Tl6(Fe,Ni,Cu)25S26Cl NAME ORIGIN: Named for the composition (Tl, Fe, Ni, S).
Thaumasite ● ■ ▲ Ca3Si(CO3)(SO4)(OH)6·12(H2O) NAME ORIGIN: From the Greek thaumasion - "surprising" in allusion to the chemical composition.
Theisite ● ■ ▲ Cu5Zn5[(As+++++,Sb+++++)O4]2(OH)14 NAME ORIGIN: Named for Nicholas J. Theis, Geologist, Bendix Corp., who discovered the orignal sample.
Thenardite ● ■ + ▲ Na2SO4 NAME ORIGIN: Named after the French chemist, Louis Jacques Thenard (1777-1826).
Theoparacelsite ! ▲ Cu3(OH)2(As2O7) NAME ORIGIN: Named for the Swiss scientist Paracelse (1493-1541), who was Philippus Theophrastus van Hohenheim. Paracelse is a Greek-Roman translation of Hohenheim.
Theophrastite ● ■ ▲ Ni(OH)2
Theresemagnanite ● ▲ (Co,Zn,Ni)6(SO4)(OH,Cl)10·8(H2O) NAME ORIGIN: Named for Therese Magnan for her contributions to knowledge about the Cap Garrone mine.
Thermonatrite ● ■ ▲ Na2CO3·(H2O)
Thinolite (calcite pseudomorphs) * (see Ikaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Thomasclarkite-(Y) ! ● ■ ▲ (Na,Ce)(Y,REE)(HCO3)(OH)3·4(H2O) NAME ORIGIN: Named after Thomas Henry Clark (1893-1996), McGill University, Montreal, Quebec, Canada, noted for his studies of the geology of the St. Lawrence Lowlands.
Thometzekite ● ■ ▲ Pb(Cu,Zn)2(AsO4)2·2(H2O)
Thomsenolite ● ■ ▲ NaCaAlF6·(H2O) NAME ORIGIN: Named for Hans Peter Jorgen Julius Thomsen (1826-1909), Daniosh physical chemist and founder of the Greenland cryolite industry.
Thomsonite * (see Thomsonite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax

Thomsonite-Ca NaCa2Al5Si5O20·6(H2O) NAME ORIGIN: Named after the Scottish chemist, T. Thomson (1773-1852).
Thomsonite-Sr ! (Sr,Ca)2Na[Al5Si5O20]·7(H2O) NAME ORIGIN: Named as the Sr dominant analog of thomsonite-Ca.
Thorbastnaesite * (see Thorbastnasite) See Also: GOOGLE, Athena, MinDAT, MinMax
Thorbastnasite Th(Ca,Ce)(CO3)2F2·3(H2O)
Thoreaulite Sn++Ta2O6 NAME ORIGIN: Named for Jacques Thoreau (188-1971), University of Louvain, Belogium.
Thorianite ThO2 NAME ORIGIN: Named for its chemical composition containing thorium.
Thorikosite Pb3(Sb+++,As+++)O3(OH)Cl2 NAME ORIGIN: Named for the locality. LOCALITY: Thorikos, near the Laurium mines.
Thorite ThSiO4 NAME ORIGIN: From the presence of the element Thorium, a highly radioactive material.
Thornasite Na12Th3[Si8O19]4·18(H2O) NAME ORIGIN: Named for its composition (Thorium, Na, Si).
Thorogummite Th(SiO4)1-x(OH)4x NAME ORIGIN: Named after gummite and the element thorium.
Thorosteenstrupine (Ca,Th,Mn)3Si4O11F·6(H2O) NAME ORIGIN: Named for steenstrupine and the thorium content.
Thortveitite (Sc,Y)2Si2O7 NAME ORIGIN: Named after the Norwegian engineer, O. Thortveit.
Thorutite (Th,U,Ca)Ti2(O,OH)6 NAME ORIGIN: Named for the composition (Thorium, rutile).
Threadgoldite Al(UO2)2(PO4)2(OH)·8(H2O) NAME ORIGIN: Named for Ian M. Threadgold (1929-), University of Sydney, NSW, Australia.
Thulite - red * (see Zoisite) See Also: GOOGLE, Athena, MinDAT, MinMax
Thuringite (Fe) * (see Chamosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tiemannite HgSe NAME ORIGIN: Named after its discoverer, C. W. F. Tiemann (1848-1899).
Tienshanite BaNa2MnTiB2Si6O20 NAME ORIGIN: Named for the locality. LOCALITY: Dara-i-pioz massif, Tien Shan, southern Tajikistan.
Tiettaite (Na,K)17Fe+++TiSi16O29(OH)30·2(H2O) NAME ORIGIN: Named from the Finnish "tietta", science or knowledge, for the first science station in Khibiny.
Tiger Eye - pseudomorph of asbestos * (see Quartz) See Also: GOOGLE, Athena, MinDAT, MinMax
Tikhonenkovite SrAl(OH)F4·(H2O) NAME ORIGIN: Named for Igor Tikhonenkov (1927-1961), Russian student of alkaline rocks and minerals.
Tilasite CaMg(AsO4)F NAME ORIGIN: Named for Daniel Tilas (1712-1772), Swedish mining engineer.
Tilkerodite * (see Clausthalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tilleyite Ca5Si2O7(CO3)2
Tillmannsite ! (Ag3Hg)(V,As)O4 NAME ORIGIN: Named for Ekkhart Tillmanns (1941-) of the Institute of Mineralogy and Crystallography, Wien, Austria.
Tin Sn NAME ORIGIN: A word of Old English origin, related to the Dutch tin and the German zinn.
Tin Ore * (see Cassiterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tin pyrites * (see Stannite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tinaksite K2Na(Ca,Mn++)2(Ti,Fe)O[Si7O18(OH)] NAME ORIGIN: Named

fro the symbols of some of its component elements (Ti, Na, K).
Tincal * (see Borax) See Also: GOOGLE, Athena, MinDAT, MinMax
Tincalconite Na6[B4O5(OH)4]3·8(H2O) NAME ORIGIN: Named for tincal (borax) and konos "powder" in allusion to the minerals composition and appearance.
Tinnunculite * C10H12N6O8 (?)
Tinsleyite KAl2(PO4)2(OH)·2(H2O) NAME ORIGIN: Named for Frank C. Tinsley (1916-), mineral collector, Black Hills specialist of Rapid City, South Dakota, USA.
Tinticite Fe+++5(PO4,VO4)4·7(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Tintic Standard mine, Tintic district, Utah
Tintinaite Pb22Cu+4(Sb,Bi)30S69 NAME ORIGIN: Named after the locality. LOCALITY: Tintina silver mines, Yukon Territory, Canada.
Tinzenite (Ca,Mn,Fe)3Al2BO3Si4O12(OH) NAME ORIGIN: Named after its locality. LOCALITY: Tinzen, Val d'Err, Grisons, Switzerland
Tiptopite K2(Na,Ca)2Li3Be6(PO4)6(OH)2·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Tip Top mine, Custer, Custer County, South Dakota, USA
Tiragalloite Mn++4As+++++Si3O12(OH) NAME ORIGIN: Named for Paolo Tiragallo (1905-).
Tirodite - Renamed * (see Manganocummingtonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tirolit * (see Tyrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tischendorfite ! Pd8Hg3Se9 NAME ORIGIN: Name for Gerhard Tischendorf (1927-) who first recognized the mineral in the deposit in 1958.
Tisinalite Na3H3(Mn++,Ca,Fe)TiSi6(O,OH)18·2(H2O) NAME ORIGIN: For the chemical elements Ti, Si, and Na in the formula.
Titanclinohumite * (see Clinohumite) See Also: GOOGLE, Athena, MinDAT, MinMax
Titanic Iron Ore * (see Ilmenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Titanite CaTiSiO5 NAME ORIGIN: Named after its chemical composition of titanium.
Titanium * Ti NAME ORIGIN: Named after the element which is named after the Titans, sons of the Earth goddess.
Titanoelpidite * (see Labuntsovite-Mn) See Also: GOOGLE, Athena, MinDAT, MinMax
Titanoferrite * (see Ilmenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Titanowodginite (Mn++,Fe++)(Ti,Sn)(Ta,Nb)2O8 NAME ORIGIN: Named for TITANium and its relationship to wodginite.
Titantaramellite Ba4(Ti,Fe+++,Fe++,Mg)4(B2Si8O27)O2Clx X=0 TO 1, with Ti > Fe NAME ORIGIN: Named for taramellite and dominance of Ti as the octahedral cation.
Tivanite V+++TiO3(OH) NAME ORIGIN: Named for the TItanium and VANadium in the composition.
Tlalocite Cu10Zn6(Te++++O3)(Te++++++O4)2Cl(OH)25·27(H2O) NAME ORIGIN: Named for Tlaloc, the god of rain in the Toltec and Aztec civilizations, in allusion to its high water content.
Tlapallite H6(Ca,Pb)2Cu3(SO4)(Te++++O3)4(Te++++++O6) NAME ORIGIN: Named from the Nahua "tlapalli," paint, in allusion to its paintlike coating of rock surfaces.
Tobelite (NH4,K)Al2(Si3Al)O10(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Ohgidani pottery stone deposit, Tobe, Ehime Prefecture, adn

in the Horo pryophyllite deposit, Toyosaka, hiroshima Prefecture, Japan.
Tobermorite Ca5Si6O16(OH)2·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: In Scotland, on the Isle of Mull, around Tobermory.
Tochilinite 6Fe0.9S·5(Mg,Fe++)(OH)2 NAME ORIGIN: Named for Mitrofan S.Tochilin (1910-1968), Russian scientist.
Tocornalite (Ag,Hg)I (?) NAME ORIGIN: Named in 1867 for S. F. Tocornal, rector of the University of Santiago, Chile.
Toddite * (see Magnesiocolumbite) See Also: GOOGLE, Athena, MinDAT, MinMax
Todorokite (Na,Ca,K)2(Mn++++,Mn+++)6O12·3-4.5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Todroki mine, Hikkaido, Japan.
Tokkoite K2Ca4[Si7O18(OH)](F,OH) NAME ORIGIN: Named for the locality. LOCALITY: Murun massif, between the Charo and Tokko rivers, Yakutia, Russia.
Tokyoite ! Ba2Mn(VO4)2(OH) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Tolbachite CuCl2 NAME ORIGIN: Named for the locality. LOCALITY: Tolbachik volcano, Kamchatka, Russia.
Tolovkite IrSbS NAME ORIGIN: Named for the locality. LOCALITY: Ust'-Bel'skii massif, Tolvka River, Northeastern Russia.
Tombarthite-(Y) Y4(Si,H4)4O12-x(OH)4+2x NAME ORIGIN: Named after Thomas Fredrik Barth (1899-1971), mineralogist and petroligist, Oslo University, Oslo, Norway.
Tomichite (V,Fe)4Ti3AsO13(OH) NAME ORIGIN: Named for Stephan A. Tomich (1914-), consulting geologist who discovered the mineral.
Tongbaite Cr3C2 NAME ORIGIN: Named for the locality. LOCALITY: Liu Zhuang, Tongbai County, Henan, China
Tongxinite * Cu2Zn NAME ORIGIN: Named for the composition (tong=copper, xin=zinc).
Tooeleite Fe+++(8-2x)[(As(1-x),S(x))O4]6·5(H2O) NAME ORIGIN: Named after its locality. LOCALITY: Found on waste dumps of the former gold and arsenic mines in the Gold Hill district, western Tooele County, Utah, USA.
Topaz Al2SiO4(F,OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Topasos Island in the Red Sea.
Topazolite - yellow * (see Andradite) See Also: GOOGLE, Athena, MinDAT, MinMax
Torbernite Cu(UO2)2(PO4)2·8-12(H2O) NAME ORIGIN: Named after the Swedish chemist, Tornbern Bergmann (1735-1784).
Tornebohmite-(Ce) (Ce,La,Nd)2Al(SiO4)2(OH) NAME ORIGIN: Named for Alfred Ellis Tornebohm (1839-1911), former director of the Geological Survey of Sweden.
Tornebohmite-(La) (La,Ce)2Al(SiO4)2(OH) NAME ORIGIN: Named for Alfred Ellis Tornebohm (1839-1911), former director of the Geological Survey of Sweden.
Torreyite (Mg,Mn)9Zn4(SO4)2(OH)22·8(H2O)
Tosudite Na0,5(Al,Mg)6(Si,Al)8O18(OH)12·5(H2O) NAME ORIGIN: Named for Toshio Sudo (1911-), Japanese mineralogist and crystallographer, University of Tokyo, Japan.
Tounkite (Na,Ca,K)8Al6Si6O24(SO4)2Cl·(H2O) NAME ORIGIN: Named after the Tunka (Tounka) Valley near the deposits.
Tourmaline * (see Buergerite) See Also: GOOGLE, Athena, MinDAT, MinMax

Tourmaline * (see Chromdravite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Dravite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Feruvite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Foitite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Liddicoatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Olenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Povondraite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Schorl) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Uvite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tourmaline * (see Vanadiumdravite) See Also: GOOGLE, Athena, MinDAT, MinMax
Toyohaite Ag2FeSn3S8
Trabzonite $Ca4Si3O10 \cdot 2(H2O)$ NAME ORIGIN: Named after it's locality. LOCALITY: Yarda Yaylasi, near Trabzon, Turkey.
Tranquillityite Fe++8(Zr,Y)2Ti3Si3O24 NAME ORIGIN: Named for the locality. LOCALITY: Tranquility Base, Moon (Apollo 11).
Traskite (Ba,Ca)9(Fe++,Mn)2Ti2(SiO3)12(OH,Cl,F)6 ·6(H2O) NAME ORIGIN: Named for John Boardman Trask (1824-1879), first state geologist of California.
Trattnerite ! (Fe,Mg)2(Mg,Fe)3(Si12O30) NAME ORIGIN: Named for Walter Trattner, a mineral collector with excellent knowledge of the mineralogy of the area in which the species was found.
Travertine * (see Calcite) See Also: GOOGLE, Athena, MinDAT, MinMax
Treasurite Ag7Pb6Bi15S32 NAME ORIGIN: Named for the locality. LOCALITY: Treasury mine, Geneva district, Colorado, USA.
Trechmannite AgAsS2 NAME ORIGIN: Named for Charles O. Trechmenn (1851-1917), English mineralogist.
Trembathite (Mg,Fe++)3B7O13Cl
Tremolite [ ]Ca2Mg5Si8O22(OH)2 NAME ORIGIN: Named after its locality. LOCALITY: Tremola Valley, Alps.
Trevorite NiFe+++2O4
Triangulite Al3(UO2)4(PO4)4(OH)5 ·5(H2O) NAME ORIGIN: Named for the triangular habit of the crystals.
Trichalcite * (see Geminite) See Also: GOOGLE, Athena, MinDAT, MinMax
Tridymite SiO2 NAME ORIGIN: From the Greek Tridymos - "triplex."
Trigonite Pb3Mn(As+++O3)2(As+++O2OH)
Trikalsilite (K,Na)AlSiO4
Trilithionite ! KLi1.5Al1.5AlSi3O10F2
Trimerite CaMn2Be3(SiO4)3
Trimounsite-(Y) (Y,REE)2Ti2SiO9 NAME ORIGIN: Named for the locality and the yttrium content. LOCALITY: Trimouns talc deposit, 6 km northeast of Luzenac, Ariege, France.
Triphane - colorless, yellow * (see Spodumene) See Also: GOOGLE, Athena, MinDAT, MinMax
Triphylite LiFe++PO4 NAME ORIGIN: From the Greek tri - "threefold" and fylon - "family" in allusion to the three cations in the formula.
Triplite (Mn,Fe++,Mg,Ca)2(PO4)(F,OH) NAME ORIGIN: From the Greek triplos - "triplex."
Triploidite (Mn,Fe++)2(PO4)(OH)
Trippkeite CuAs+++2O4
Tripuhyite Fe++Sb+++++O4 NAME ORIGIN: Named after its locality. LOCALITY: Tripuhy valley (today Tripuí !!) near Ouro Preto.

Tristramite (Ca,U++++,Fe+++)(PO4,SO4)·2(H2O)
Tritomite * (see Tritomite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Tritomite-(Ce) (Ce,La,Ca,Y,Th)5(Si,B)3(O,OH,F)13 NAME ORIGIN: Named from the Greek for "three" and "to cut," in allusion to the trihedral cavities left in the host rock by the crystals.
Tritomite-(Y) (Y,Ca,La,Fe++)5(Si,B,Al)3(O,OH,F)13 (?) NAME ORIGIN: Named from the Greek for "three" and "to cut," in allusion to the trihedral cavities left in the host rock by the crystals.
Troegerite * (see Trogerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Trogerite H2(UO2)2(AsO4)2·8(H2O) NAME ORIGIN: Named for R. Troger, mining offical at Schneeberg, Germany.
Trogtalite CoSe2 NAME ORIGIN: Named for the locality. LOCALITY: Steinbruch Trogtal quarry, Lautenthal, Harz,, Germany
Troilite FeS NAME ORIGIN: Named for Dominico Troili, who described, in 1766, a meteorite which fell in Albareto, near Modena, Italy.
Trolleite Al4(PO4)3(OH)3
Trona Na3(CO3)(HCO3)·2(H2O) NAME ORIGIN: From Arabic origins meaning "natron."
Troostite * (see Willemite) See Also: GOOGLE, Athena, MinDAT, MinMax
Truestedtite * (see Trustedtite) See Also: GOOGLE, Athena, MinDAT, MinMax
Truscottite (Ca,Mn++)14Si24O58(OH)8·2(H2O) NAME ORIGIN: Named for Samuel John Truscott (1970-1950), English mining geologist.
Trustedtite Ni3Se4 NAME ORIGIN: Named for O. Trustedt, whose work on prospecting methods lead to the discovery of the Outokumpu ore deposit, Finland.
Tsaregorodtsevite N(CH3)4AlSi5O12
Tsavorite - emerald green * (see Grossular) See Also: GOOGLE, Athena, MinDAT, MinMax
Tscheffkinite * (see Chevkinite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Tschermakite [ ]Ca2(Mg3AlFe+++)Si6Al2O22(OH)2 NAME ORIGIN: Named for Gustav Tschermak von Sessenegg (1836-1927), Austrian mineralogist.
Tschermigite (NH4)Al(SO4)2·12(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Cermniky, (Tschermig), Czechoslovakia.
Tschernichite (Ca,Na)(Si6Al2)O16·4-8(H2O) NAME ORIGIN: Named for Rudy Warren Tschernich (1945-), amateur mineralogist specializing in zeolites.
Tschortnerite ! Ca4(Ca,Sr,K,Ba)3Cu3(OH)8[Si12Al12O48]·x(H2O), x>=20 NAME ORIGIN: Named after Jochen Tschortner (1941-), mineral collector and finder of the mineral.
Tsepinite-Ca ! (Ca,K,Na,[ ])2(Ti,Nb)2(Si4O12)(OH,O)2·4(H2O) NAME ORIGIN: Named as the Ca-dominant analogue of tsepinite-Na.
Tsepinite-K ! (K,Ba,Na)2(Ti,Nb)2(Si4O12)(OH,O)2·3(H2O) NAME ORIGIN: Named as the K-dominant analog of tsepinite-Na.
Tsepinite-Na ! (Na,H3O,K,Sr,Ba)2(Ti,Nb)2[Si4O12](OH,O)2·3(H2O) NAME ORIGIN: Named for Anatoliy I. Tsepin (1946-), Russian microprobe analyst.
Tsnigriite Ag9SbTe3(S,Se)3 NAME ORIGIN: Named from the initials of the Russian name for the Central Scientice-Research Institute of Geological Prospecting in Moscow.
Tsugaruite ! Pb4As2S7 NAME ORIGIN: Named after the discovery locality. LOCALITY: Minami-Tsugara-gun provincial unit of the Aomori Prefecture in northern Japan.

Tsumcorite PbZnFe++(AsO4)2·(H2O) NAME ORIGIN: Named for the TSUMeb CORporation.
Tsumebite Pb2Cu(PO4)(SO4)(OH) NAME ORIGIN: Named for the locality. LOCALITY: Tsumeb, Namibia.
Tsumgallite ! GaO(OH) NAME ORIGIN: Named for the Tsumeb mine and the composition (GALLium).
Tsumoite BiTe NAME ORIGIN: Named for the locality. LOCALITY: Tsumo mine, Hiroshima, Shimane prefecture, Honshu, Japan.
Tucekite Ni9Sb2S8 NAME ORIGIN: Named for Karel Tucek, Curator of Minerals in the National Museum, Prague, Poland.
Tugarinovite MoO2 NAME ORIGIN: Named for Aleksei Ivanovich Tugarinov (1947-), geochemist, Vernadskii Institute, Moscow, Russia.
Tugtupite Na4AlBeSi4O12Cl NAME ORIGIN: Named after its locality LOCALITY: Tugtup agatakorfia, Tunugdliarfik, Greenland.
Tuhualite [ ](Na,K)Fe++Fe+++[Si6O15] NAME ORIGIN: Named for the locality. LOCALITY: Mayor (Tuhua) Island, Bay of Plenty (Opo Bay), Norht Island, New Zealand.
Tuite ! Ca3(PO4)2 NAME ORIGIN: Named for Guangzhi Tu (1920-), professor and founding director of the Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou, Guangdong Province, People's Republic of
Tulameenite Pt2FeCu NAME ORIGIN: Named after the locality. LOCALITY: Tulameen and Similkameen River, British Columbia, Canada.
Tuliokite BaNa6Th(CO3)6·6(H2O)
Tumchaite ! Na2(Zr,Sn)Si4O11·2(H2O) NAME ORIGIN: The mineral is named for the river Tumcha near Vuoriyarvi massif.
Tundrite-(Ce) Na3(Ce,La)4(Ti,Nb)2(SiO4)2(CO3)3O4(OH)·2(H2O)
Tundrite-(Nd) Na3(Nd,La)4(Ti,Nb)2(SiO4)2(CO3)3O4(OH)·2(H2O)
Tunellite SrB6O9(OH)2·3(H2O) NAME ORIGIN: Named for George Tunnel (1900-1996), U. S. Mineralogist.
Tungstenite WS2 NAME ORIGIN: Named for the composition.
Tungstibite Sb2O3·WO3 NAME ORIGIN: Named after its chemical composition of tungsten (W) and antimony (Sb). Swedish, tung sten = "heavy stone" and Latin, "stibium."
Tungstite WO3·(H2O) NAME ORIGIN: Named after its composition containig tungsen (Swedish, tung sten = "heavy stone").
Tungusite Ca14(OH)8(Si8O20)3Fe++9(OH)14
Tunisite NaCa2Al4(CO3)4(OH)8Cl
Tuperssuatsiaite Na(Fe+++,Mn)3[Si8O20](OH)2·n(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Tuperssuatsiait Bay, Greenland.
Turanite Cu5(VO4)2(OH)4 NAME ORIGIN: Named from the locality. LOCALITY: Tyuya Nuyun, Ferghana, Turan Region, Uzbekistan.
Turkestanite ! Th(Ca,Na)2(K1-x,[ ]x)Si8O20·n(H2O) NAME ORIGIN: Named after the discovery locality, along the Turkestan Ridge. LOCALITY: Located 40 km apart north and south, respectively, of the Turkestan - Tadjikistan border.
Turneaureite Ca5[(As,P)O4]3Cl
Turquoise CuAl6(PO4)4(OH)8·4(H2O) NAME ORIGIN: Named after Turkey (from where it was brought to Europe).
Turtmannite ! (Mn,Mg)25.5[(V,As)O4]3(SiO4)3[AsO3]xO5-5x(OH)20+x NAME ORIGIN: Named after the locality. LOCALITY: Barrhorn Unit (Central Alps) in the

Triassic marbles near Turtmanntal, Valais, Switzerland.
Tuscanite K(Ca,Na)6(Si,Al)10O22(SO4,CO3,(OH)2)·(H2O) NAME ORIGIN: Named for the Tuscany region of Italy where the mineral was first found.
Tusionite MnSn++++(BO3)2
Tuzlaite NaCaB508(0H)2·3(H2O)
Tvalchrelidzeite Hg12(Sb,As)8S15 NAME ORIGIN: Named for A. A. Tvalchrelidze, founder of the Georgian Mineralogical-Petrographic School, Russia.
Tvedalite (Ca,Mn++)4Be3Si6O17(OH)4·3(H2O) NAME ORIGIN: Named for the type locality. LOCALITY: Vevja larvikite quarry, Tvedalen, Brunlanes, Vestfold Co., Norway.
Tveitite-(Y) Ca1-xYxF2+x, x~0.3 NAME ORIGIN: Named for John Peder Tveit (1909-1978), Norwegian miner, who found it in his quarry.
Tweddillite ! CaSr(Mn+++,Fe+++)2Al[Si3O12](OH) NAME ORIGIN: Named for Samuel M. Tweddill, first curator (1897 to 1915) of the Museum of the Geological Survey, Pretoria, Republic of South Africa.
Twinnite Pb(Sb,As)2S4 NAME ORIGIN: Named for Robert M. Thompson (1918-1967), Canadian Mineralogist: Thompson means "son of Thomas," which is Aramaic for "twin."
Tychite Na6Mg2(CO3)4(SO4)
Tyretskite Ca2B5O9(OH)·(H2O)
Tyrolite CaCu5(AsO4)2(CO3)(OH)4·6(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Brixlegg-Schwaz District, Innsbruck, Tyrol, Austria.
Tyrrellite (Cu,Co,Ni)3Se4 NAME ORIGIN: Named for Joseph Burr Tyrell (1858-1957), first geologist to visit the area of discovery in Canada.
Tysonite * (see Fluocerite-(Ce)) See Also: GOOGLE, Athena, MinDAT, MinMax
Tyuyamunite Ca(UO2)2V2O8·5-8(H2O) NAME ORIGIN: Named from its locality. LOCALITY: Found in the Tyuya-Muyun (Tuja Mujun) hill, a northern spur of the Alai Mountains, Ferghana, in Turkestan.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
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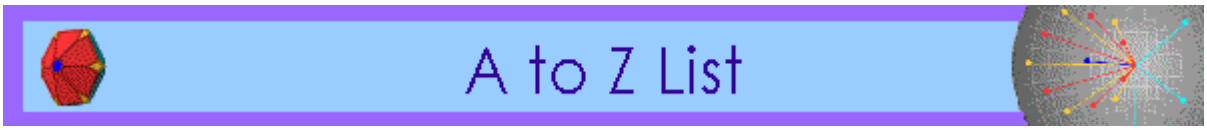

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U Index of Mineral Species

This alphabetical listing of **U minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
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Uchucchacuaite AgPb3MnSb5S12 NAME ORIGIN: Named for the locality. LOCALITY: Uchuc-Chacua deposit, Cajatambo Province, Peru.

Uhligite Ca3(Ti,Al,Zr)9O20 NAME ORIGIN: Named for Alfred Louis Johannes Uhlig (1883-1919), German geologist, leader of the African expedition in which the material was first collected.

Uklonskovite NaMg(SO4)F·2(H2O)

Ulexite NaCaB5O6(OH)6·5(H2O) NAME ORIGIN: Named after the German chemist, George Ludwig Ulex (1811-1883).

Ullmannite NiSbS NAME ORIGIN: Named after the German chemist and mineralogist, J. Ch. Ullmann (1771-1821).

Ulrichite CaCu(UO2)(PO4)2·4(H2O) NAME ORIGIN: Named for G.H.F.

Ulrich.
Ultamarine pigment * (see Lazurite) See Also: GOOGLE, Athena, MinDAT, MinMax
Ulvite * (see Ulvospinel) See Also: GOOGLE, Athena, MinDAT, MinMax
Ulvospinel TiFe++2O4 NAME ORIGIN: Named after the locality and the spinel group of minerals. LOCALITY: Sodra Ulvön island, Angermanland, Sweden
Umangite Cu3Se2 NAME ORIGIN: Named after the locality. LOCALITY: Sierra de Umango, La Rioja province in Argentina.
Umbite K2ZrSi3O9·(H2O)
Umbozerite Na3Sr4ThSi8(O,OH)24 NAME ORIGIN: Named for the locality. LOCALITY: Umbozero (Lake Umba), Kola Peninsula, Russia.
Umohoite [(UO2)MoO4]·H2O NAME ORIGIN: Named for the composition of U, Mo, H.
Ungarettiite NaNa2(Mn++2Mn+++3)Si8O22O2 NAME ORIGIN: Named after Prof. Luciano Ungaretti (1942-), Universita de Pavia, Pavia, Italy.
Ungemachite K3Na8Fe+++(SO4)6(NO3)2·6(H2O) NAME ORIGIN: Named for Henri-Leon Ungemach (1880-1936), Belgian crystallographer.
Ungursaite ? NaCa5(Ta,Nb)24O65(OH)
Upalite Al(UO2)3(PO4)2O(OH)·7(H2O)
Uralborite CaB2O2(OH)4
Uralolite Ca2Be4(PO4)3(OH)3·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Boyevka, central Ural Mountains, Russia.
Uramphite (NH4)(UO2)(PO4)·3(H2O)
Urancalcarite Ca(UO2)3(CO3)(OH)6·3(H2O) NAME ORIGIN: Named for the composition.
Uraninite UO2 NAME ORIGIN: From its elemental composition containing uranium.
Uranmicrolite (U,Ca)2(Ta,Nb)2O6(OH) NAME ORIGIN: Named for uranium and as a member of the microlite group.
Uranocircite Ba(UO2)2(PO4)2·12(H2O) NAME ORIGIN: Named for the composition and from the Greek for "falcon" because it was discovered in Falkenstein, Germany.
Uranophane Ca(UO2)2SiO3(OH)2·5(H2O) NAME ORIGIN: From uran and phanos - "to appear."
Uranophane-beta Ca[(UO2)SiO3(OH)]2·(H2O) NAME ORIGIN: Named as the polymorph of uranophane.
Uranopilite [(UO2)6(SO4)O2(OH)6(H2O)6]·8(H2O) NAME ORIGIN: Named for uranium and the Greek for "felt", alluding to the composition and habit.
Uranopolycrase (U,Y)(Ti,Nb,Ta)2O6 NAME ORIGIN: Named for its content or URANium and relation to polycrase.
Uranosilite (U++++++O2)Si7O15 NAME ORIGIN: Named in allusion to the composition.
Uranospathite HAl(UO2)4(PO4)4·40(H2O)
Uranosphaerite Bi(UO2)O2(OH) NAME ORIGIN: Named for the compostition uranium and the Greek for sphere, in allusion to its globular forms.
Uranospinite Ca(UO2)2(AsO4)2·10(H2O) NAME ORIGIN: Named for uranium and the Greek for "siskin," in allusion to its composition and color.
Uranotile * (see Uranophane) See Also: GOOGLE, Athena, MinDAT, MinMax
Uranotile-beta * (see Uranophane-beta) See Also: GOOGLE, Athena, MinDAT, MinMax
Uranotungstite (Fe++,Ba,Pb)(UO2)2WO4(OH)4·12(H2O) NAME ORIGIN:

Named for the composition.
Uranpyrochlore (U,Ca,Ce)2(Nb,Ta)2O6(OH,F) NAME ORIGIN: Named for its URANium content and membership in the pyrochlore group.
Urao * (see Trona) See Also: GOOGLE, Athena, MinDAT, MinMax
Urea CO(NH2)2
Ureyite * (see Kosmochlor) See Also: GOOGLE, Athena, MinDAT, MinMax
Uricite C5H4N4O3
Ursilite * (Mg,Ca)4[(UO2)4(OH)5/(Si2O5)5.5]·13(H2O)
Urusite * (see Sideronatrite) See Also: GOOGLE, Athena, MinDAT, MinMax
Urusovite ! Cu[AlAsO5] NAME ORIGIN: The name honors Vadim Sergeevich Urusov of Moscow State University, Russia.
Urvantsevite Pd(Bi,Pb)2 NAME ORIGIN: Named for Nikolai N. Urvantsev (1893-1985), Russian geologist who discovered the Norilsk deposits.
Ushkovite MgFe+++2(PO4)2(OH)2·8(H2O)
Usonite * (see Uzonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Usovite Ba2CaMgAl2F14 NAME ORIGIN: Named for Mikhail Antonovich Usov (1883-1939), Russian geologist.
Ussingite Na2AlSi3O8(OH) NAME ORIGIN: Named for Niels Viggo Ussing (1864-1911), Copenhagen, Denmark.
Ustarasite Pb(Bi,Sb)6S10 NAME ORIGIN: Named for the locality. LOCALITY: Ustarasaisk deposit, western Tian-Shan, Kazakhstan.
Utahite ! Cu5Zn3(Te++++++O4)4(OH)8·7(H2O) NAME ORIGIN: Named after its locality. LOCALITY: The Centennial Eureka mine, 1 mile southeast of Eureka, Tintic District, Juab County, Utah, USA.
Utahite * (see Jarosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Utahlite * (see Variscite) See Also: GOOGLE, Athena, MinDAT, MinMax
Uvanite U++++++2V+++++6O21·15(H2O) NAME ORIGIN: Named for the composition (U, Vanadium)..
Uvarovite Ca3Cr2(SiO4)3 NAME ORIGIN: Named after Count S. S. Uvarov (1765-1855), Russian statesman and ardent amateur mineral collector.
Uvite (Ca,Na)(Mg,Fe++)3Al5Mg(BO3)3Si6O18(OH,F)4 NAME ORIGIN: Named after its locality. LOCALITY: Province Uva, Sri Lanka.
Uvite - (61.3.1.3) * (see Uvite) See Also: GOOGLE, Athena, MinDAT, MinMax
Uytenbogaardtite Ag3AuS2 NAME ORIGIN: Named for Willem Uytenbogaardt (1918–), Professor of Geology, Technical University, Delft, The Netherlands, prominent ore microscopist.
Uzonite As4S5 NAME ORIGIN: Named for the locality. LOCALITY: Uzon caldera, Kamchatka, Russia.

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V Index of Mineral Species

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	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
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Vaesite NiS2 NAME ORIGIN: Named for Johannes Vaes, mineralogist for the Union Miniere du Haut Katanga.

Vajdakite ! [(MoO2)2(H2O)2As2O5]·(H2O) NAME ORIGIN: Named for Josef Vajdak (1930-), for his significant contribution in the study of minerals in the Jachymov ore district.

Valentinite Sb2O3 NAME ORIGIN: Named after the German alchemist, B. Valentinus (16th century).

Valleriite 4(Fe,Cu)S·3(Mg,Al)(OH)2 NAME ORIGIN: Named for Goran Wallerius (Vallerius) (1683-1742), a Swedish mining geologist.

Vanadinite Pb5(VO4)3Cl NAME ORIGIN: Named for its vanadium content.

Vanadiocarpholite ! Mn++V+++Al(Si2O6)(OH)4 NAME ORIGIN: Named as

the V-dominant analogue of carpholite.
Vanadiumdravite ! NaMg3V6(Si6O18)(BO3)3(OH)4 NAME ORIGIN: Named for its vanadium content and the mineral dravite.
Vanadomalayaite CaVOSiO4 NAME ORIGIN: Named to show it's chemical relationship to malayaite.
Vanalite NaAl8V10O38·30(H2O)
Vandenbrandeite Cu(UO2)(OH)4 NAME ORIGIN: Named for Pierre van den Brande (1896-1957), Belgian geologist who discovered the ore deposit at Kalongwe, Zaire.
Vandendriesscheite Pb(UO2)10O6(OH)11·11(H2O) NAME ORIGIN: Named for Adrien Vandendriessche (1914-1940), Belgian mineralogist and geologist.
Vanmeersscheite U++++++(UO2)3(PO4)2(OH)6·4(H2O)
Vanoxite V++++4V+++++2O13·8(H2O) (?) NAME ORIGIN: Named after its composition of vanadium and oxygen (oxide).
Vantasselite Al4(PO4)3(OH)3·9(H2O) NAME ORIGIN: Named for Rene Van Tassel (1916-), mineralogist of phosphate and sulfate minerals.
Vanthoffite Na6Mg(SO4)4 NAME ORIGIN: Named for Jacobus Hendricus van't Hoff (1852-1911), Dutch physical chemist.
Vanuralite Al(UO2)2(VO4)2(OH)·11(H2O) NAME ORIGIN: Named for the composition (Vanadium, Uranium).
Vanuranylite ? (H3O,Ba,Ca,K)1.6(UO2)2V2O8·4(H2O) (?) NAME ORIGIN: Named in 1965 for the composition (VANadium, URanium, and Aluminum).
Varennesite Na8Mn++2Si10O25(OH,Cl)2·12(H2O) NAME ORIGIN: For the locality. LOCALITY: Demix-Varennes quarry, which lies between the villages of Varennes and Saint-Amable, in Vercheres County, Quebec
Variscite AlPO4·2(H2O) NAME ORIGIN: Named after Variscia, the historical name of Vogtland, Germany.
Varlamoffite * (Sn,Fe)(O,OH)2
Varulite NaCaMn(Mn,Fe++,Fe+++)2(PO4)3 NAME ORIGIN: Named for the locality. LOCALITY: Verutrask pegmatite, Boliden mine, Skelleftea, Vasterbottea, Sweden.
Vashegyite Al11(PO4)9(OH)6·38(H2O) or Al6(PO4)5(OH)3·23(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Zeleznik (Vashegy) mine, Sirk River, Slovakia, Boehmia, Czech Republic.
Vasilite (Pd,Cu)16(S,Te)7
Vasilyevite ! (Hg2)++10O6I3Cl(CO3) NAME ORIGIN: Named for Vladimir Ivanovich Vasilyev (1929-), Institute of of Geology of the Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia.
Vastmanlandite-(Ce) ! Ce3CaMg2Al2Si5O19(OH)2F NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Vaterite CaCO3
Vaughanite TlHgSb4S7 NAME ORIGIN: Named for David J. Vaughan (1946-), English mineralogist.
Vauquelinite Pb2Cu(CrO4)(PO4)(OH) NAME ORIGIN: Named for Louis N. Vauquelin (1763-1829), French chemist and discoverer of chromium.
Vauxite Fe++Al2(PO4)2(OH)2·6(H2O) NAME ORIGIN: Named for George Vaux, Jr. (1863-1927), mineral collector, Bryn Mawr, Pennsylvania.
Vayrynenite MnBe(PO4)(OH,F) NAME ORIGIN: Named for Heikki Allan

Vayrynen (1888-1956), mineralogist and geologist, Technical High School, Helsinki, Finland.
Veatchite Sr2B11O16(OH)5·(H2O)
Veatchite-A Sr2B11O16(OH)5·(H2O) NAME ORIGIN: Named as a dimorph of veatchite.
Veatchite-p ! Sr2B11O16(OH)5·(H2O)
Veenite Pb2(Sb,As)2S5 NAME ORIGIN: Named for R. W. Van der Veen (1883-1925), Dutch economic geologist and metallographer.
Velikite Cu2HgSnS4 NAME ORIGIN: For A. C. Velikyi (1913-1970), a well known investigator of the ore deposits of Central Asia.
Verbeekite ! PdSe2 NAME ORIGIN: Named for Theodore Verbeek (1927-1991) who did the original studies on the Se-bearing lens.
Verdelite - green * (see Elbaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Vergasovaite ! Cu3O[(Mo,S)O4][SO4] NAME ORIGIN: Named after Lidiya Pavlovna Vergasova (b. 1941), of the Institute of Volcanology, Russian Academy of Sciences, Petropavlovsk, Russia,
Vermiculite (Mg,Fe++,Al)3(Al,Si)4O10(OH)2·4(H2O) NAME ORIGIN: From the Latin vermiculus, "little worm."
Vernadite (Mn++++,Fe+++,Ca,Na)(O,OH)2·n(H2O) NAME ORIGIN: Named for Vladimir Ivanovich Vernadskii (1863-1945), Russian natrualist and geochemist.
Verplanckite Ba2(Mn++,Ti,Fe++)2Si2O6(O,OH,Cl,F)2·3(H2O) NAME ORIGIN: Named for William E. VerPlanck (1916-1963), American geologist, California Division of Mines & Geology.
Versiliaite Fe++4Fe+++8Sb+++12O23S2 NAME ORIGIN: Named for the locality. LOCALITY: Buca della Vena mine, Versilia valley, Apuan Alps, Italy.
Vertumnite Ca8Al4(Al4Si5)O12[(OH)36·10(H2O) NAME ORIGIN: For Vertumnus, the god worshipped by the ancient Etruscan people who inhabited the region where the mineral was found.
Vesignieite Cu3Ba(VO4)2(OH)2 NAME ORIGIN: Named after the French mineral collector, L. Vesignie (1870-1954).
Vesuvian Salt * (see Aphthitalite) See Also: GOOGLE, Athena, MinDAT, MinMax
Vesuvianite Ca10Mg2Al4(SiO4)5(Si2O7)2(OH)4 NAME ORIGIN: Named after its locality. LOCALITY: Mte. Somma, Vesuvius, Italy.
Vesuvianite-Mn * (see Manganvesuvianite) See Also: GOOGLE, Athena, MinDAT, MinMax
Veszelyite (Cu,Zn)2Zn(PO4)(OH)3·2(H2O) NAME ORIGIN: Named for A. Veszelyi (1820-1888), Hungarian mining engineer who discovered the mineral.
Viaeneite ! (Fe,Pb)4S8O NAME ORIGIN: For Prof. Willy Viaene (1943-), Katholieke Universiteit Leuven, Belgium.
Vicanite-(Ce) (Ca,Ce,La,Th)15As+++++(As+++0.5,Na0.5)Fe+++Si6B4O40F7 NAME ORIGIN: After its locality. LOCALITY: Vican (Vico lake) volcanic complex at Tre Croci, Ventralla (north of Rome), Latium, Veterbo provicne, Italy.
Vierlingite * (see Bermanite) See Also: GOOGLE, Athena, MinDAT, MinMax
Vigezzite (Ca,Ce)(Nb,Ta,Ti)2O6 NAME ORIGIN: Named for the locality. LOCALITY: Orcesco, on Alpe Rosso, Val Vigezzo, Italy.
Vihorlatite * Bi8+x(Se,Te,S)11-x NAME ORIGIN: Named for the locality. LOCALITY: Poruba, Vihorlat Mountains, Slovakia.
Viitaniemiite Na(Ca,Mn++)Al(PO4)(F,OH)3 NAME ORIGIN: Named for the locality. LOCALITY: Viitaniemi granite pegmatite, Erajarvi, Orivesi, Finland.
Vikingite Ag5Pb8Bi13S30 NAME ORIGIN: Named for the Vikings, who

settled Greenland in the tenth century.
Villamaninite (Cu,Ni,Co,Fe)S2 NAME ORIGIN: Named for the locality. LOCALITY: Providencia mine, Mina Cármenes district, near Villamanín, León province, Spain
Villiaumite NaF NAME ORIGIN: Named after the French traveller, Villium.
Villyaellenite Mn++5(AsO3OH)2(AsO4)2·4(H2O) NAME ORIGIN: Named for Villy Aellen, director of the Natural History Museum of Geneva, Switzerland.
Vimsite CaB2O2(OH)4
Vincentite (Pd,Pt)3(As,Sb,Te) NAME ORIGIN: Named for Ewart A. Vincent (1919-), professor of mineralogy, Oxford University.
Vinciennite Cu10Fe4Sn(As,Sb)S16 NAME ORIGIN: Named for Henri Vincienne (1898-1965), French mineralogist.
Vinogradovite (Na,K)4Ti4(Si,Al)8O26·3(H2O,Na) NAME ORIGIN: Named for Alexander Pavlovich Vinogradov, Russian geochemist.
Violarite Fe++Ni+++2S4 NAME ORIGIN: From the Latin for "purple", its color in a polished section.
Virgilite LixAlxSi3-xO6
Viseite Ca10Al24(SiO4)6(PO4)7O22F3·72(H2O) (?)
Vishnevite (Na,Ca,K)6(Si,Al)12O24[(SO4),(CO3),Cl2]2-4·n(H2O) NAME ORIGIN: Named for the locality. LOCALITY: From the Kurochkin Vally, Vishnevy-Ilmen Mountains, Soputhern Urals, Russia.
Vismirnovite ZnSn++++(OH)6
Vistepite Mn++4Sn++++B2(SiO4)4(OH)2
Vitimite ! Ca6B14O19(SO4)(OH)14·5(H2O) NAME ORIGIN: Named for the Vitim plateau which is near the locality LOCALITY: Solongo deposit in Buryatia, Transbaikal region, Russia
Vitusite-(Ce) Na3(Ce,La,Nd)(PO4)2 NAME ORIGIN: Named for Vitus Bering (1681-1741), explorer of norhtern seas (Bering Sea).
Vivianite Fe++3(PO4)2·8(H2O) NAME ORIGIN: Named after the English mineralogist, J. G. Vivian.
Vladimirite Ca5(AsO3OH)2(AsO4)2·5(H2O)
Vlasovite Na2ZrSi4O11
Vlodavetsite ! AlCa2(SO4)2F2Cl·4(H2O) NAME ORIGIN: For V. I. Vlodavets (1893-1993), Russian volcanologist.
Vochtenite (Fe++,Mg)Fe+++[(UO2)(PO4)]4(OH)·12-13(H2O) NAME ORIGIN: Named for Renard F. C. Vochten (1933-), mineraloigst, State University of Antwerp, Antwerp, Belgium.
Voggite Na2Zr(PO4)(CO3)(OH)·2(H2O)
Voglite Ca2Cu(UO2)(CO3)4·6(H2O) NAME ORIGIN: Named for Josef Florian Vogl, Austrian mining official and mineralogist, who described the compound and published on uranium mines and minerals of Jachymov, Czech Republic.
Volborthite Cu++3V+++++2O7(OH)2·2(H2O) NAME ORIGIN: Named for Alexander von Volborth (1800-1876), Russian paleontologist who first noted the mineral.
Volchonskoite * (see Volkonskoite) See Also: GOOGLE, Athena, MinDAT, MinMax
Volfsonite * Cu+10Cu++Fe++Fe+++2Sn++++3S16
Volkonskoite Ca0.3(Cr+++,Mg,Fe+++)2(Si,Al)4O10(OH)2·4(H2O) NAME ORIGIN: Named for Prince A. Volkonskoi, Minister of the Imperial Court, Russia.

Volkovskite KCa4[B5O8(OH)4][B(OH)3]Cl·4(H2O)
Voltaite K2Fe++5Fe+++3Al(SO4)12·18(H2O) NAME ORIGIN: Named after the Italian physicist, Alessandro G. A. A. Volta (1745-1841).
Volynskite AgBiTe2 NAME ORIGIN: Named for I. S. Volynskii (1900-1947), Polish economic geologist.
Vonbezingite Ca6Cu3(SO4)3(OH)12·2(H2O)
Vonsenite Fe++2Fe+++BO5 NAME ORIGIN: Named for Magnus Vonsen (1879-1954), amateur mineralogist and mineral collector who discovered the mineral.
Vozhminite (Ni,Co)4(As,Sb)S2 NAME ORIGIN: Named for the locality. LOCALITY: Vozhmin serpentinite, Karelia, Russia.
Vrbaite Tl4Hg3Sb2As8S20 NAME ORIGIN: Named for Karl Vrba (1845-1922), Czech mineralogist.
vrendenbergite alpha * (see Iwakiite) See Also: GOOGLE, Athena, MinDAT, MinMax
Vuagnatite CaAlSiO4(OH)
Vulcanite CuTe NAME ORIGIN: Named for the locality. LOCALITY: Good Hope mine, Vulcan, Gunnison County, Colorado, USA.
Vuonnemite Na11Nb2TiSi4O12(PO4)2O5F2 NAME ORIGIN: Named after its locality. LOCALITY: Vuonnemi River, Khibiny massif, Kola Peninsula, Russia. Ilímaussaq, Greenland.
Vuorelainenite (Mn++,Fe++)(V+++,Cr+++)2O4 NAME ORIGIN: Named for Yrjo Vuorelainen (1922-), Finnish exploration geologist.
Vuoriyarvite * (see Vuoriyarvite-K) See Also: GOOGLE, Athena, MinDAT, MinMax
Vuoriyarvite-K ! (K,Na)2(Nb,Ti)2Si4O12(O,OH)2·4(H2O) NAME ORIGIN: The name reflects the discovery locality. LOCALITY: Lake Vuoriyarvi and the Vuoriyarvi alkali-ultramafic complex, Kola Peninsula, Russia.
Vurroite ! Pb21SnAs11Bi11S50Cl8Se NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Vyacheslavite U++++(PO4)(OH)·2.5(H2O) NAME ORIGIN: Named for Vyacheslav Gavilovich Melkov (1911-1991), Russian mineralogist.
Vyalsovite FeS·Ca(OH)2·Al(OH)3 NAME ORIGIN: Named for Leonid N. Vyalsov (1939-), Russian mineralogist.
Vysotskite (Pd,Ni)S NAME ORIGIN: Named for N. K. Vysotskii, Soviet geologist, who first found platinum at Noril'sk, Russia.
Vyuntspakhkite-(Y) (Y,Yb,Er)4Al2AlSi5O18(OH)5

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
(? - IMA Discredited Mineral Species Name

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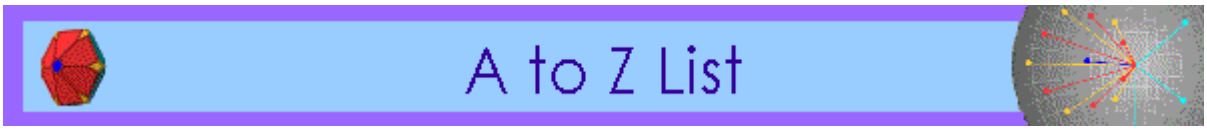

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W Index of Mineral Species

This alphabetical listing of **W minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

LEGEND	
	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
*	Mineral Name is Not IMA Approved.
!	New Dana Classification Number Has Been Changed or Added.
?	IMA Discredited Mineral Species Name.

Wad * (see Lithiophorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wad * (see Nsutite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wad * (see Pyrolusite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wad * (see Takanelite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wad * (see Vernadite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wadalite ▲ $Ca_6Al_5Si_2O_{16}Cl_3$ NAME ORIGIN: Named for Tsunashiro Wada (1856-1920), first Director General of the Geological Survey of Japan.
Wadeite ▲ $K_2ZrSi_3O_9$ NAME ORIGIN: Named for Arthur Wade (1878-1951), Australian geologist who collected the mineral.
Wadsleyite ▲ $(Mg,Fe^{++})_2SiO_4$
Wagnerite + ▲ $(Mg,Fe^{++})_2(PO_4)F$ NAME ORIGIN: Named for F. M. von Wagner (1768-1851), mining official in Munich, Germany.

Wairakite CaAl2Si4O12·2(H2O) NAME ORIGIN: Named for the loclity.
Wairauite CoFe NAME ORIGIN: Named for the locality. LOCALITY: Red Hill, Warau Valley, South Island, New Zealand.
Wakabayashilite (As,Sb)11S18 NAME ORIGIN: Named for Yaichiro Wakabayashi (1874-1943), mineralogist for Mitsubishi Mining.
Wakefieldite-(Ce) (Ce+++,Pb++,Pb++++)VO4 NAME ORIGIN: Renamed from kusuite in 1977 for the locality, changed to wakefieldite-Ce as the Ce analog of wakefieldite-Y. LOCALITY: Kusu deposit, 85 km SW of Kinshasa, Zaire.
Wakefieldite-(Y) YVO4
Walentaite (Ca,Mn++,Fe++)Fe+++3(AsO4)(PO4)3(PO3OH) NAME ORIGIN: Named for Kurt Walenta (1927-), mineralogist, University of Stuttgart, Germany, who has studied many phosphate minerals.
Walfordite ! (Fe+++,Te++++++)Te++++3O8 NAME ORIGIN: Named after Phillip Walford (b. 1945), of Toronto, Ontario, Canada, Vice-President and Chief Geologist of LAC Minerals, Ltd., at the time that mining company held the mining rights to the
Walkerite ! Ca16(Mg,Li,[ ])2[B13O17(OH)12]4Cl6·28(H2O) NAME ORIGIN: Named for Thomas Leonard Walker (1867-1942), Founding Member and past president Geological Society of America.
Wallisite PbTl(Cu,Ag)As2S5 NAME ORIGIN: Named for Wallis, the German name for the Swiss Canton in which the Lengenbach quarry is located.
Wallkilldellite Ca4Mn++6As+++++4O16(OH)8·18(H2O)
Wallkilldellite-(Fe) ! (Ca,Cu)4Fe6[(As,Si)O4]4(OH)8·18(H2O) NAME ORIGIN: Named as the Fe++ dominant analog of wallkilldellite.
Walpurgite Bi4(UO2)(AsO4)2O4·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Walpurgis vein, Weisse Hirsch mine, Neustadtel, Schneeberg, Saxony, Germany.
Walstromite BaCa2Si3O9 NAME ORIGIN: Named for Robert E. Walstrom (1920-), American mineral collector, who discovered the mineral.
Walthierite Ba0.5Al3(SO4)2(OH)6
Wapplerite * (see Rosslerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wardite NaAl3(PO4)2(OH)4·2(H2O) NAME ORIGIN: Named for Henry Augustus Ward (1834-1906), mineral dealer and collector, Rochester, New York, USA.
Wardsmithite Ca5MgB24O42·30(H2O) NAME ORIGIN: Named for Ward C. Smith (1906-), U. S. Geologist.
Warikahnite Zn3(AsO4)2·2(H2O)
Warp Factor 9 * (see Dilithium) See Also: GOOGLE, Athena, MinDAT, MinMax
Warwickite Mg(Ti,Fe+++,Al)(BO3)O NAME ORIGIN: Named after its locality. LOCALITY: Southwest of Edenville, in the town of Warwick, Orange Co., New York.
Watanabeite Cu4(As,Sb)2S5 NAME ORIGIN: Named for Takeo Watanabe, (1907-1986), Japanese mineralogist.
Watatsumiite ! Na2KMn2LiV2Si8O24 NAME ORIGIN: Named after watatsumi, Japanese god of the sea as is the analogue (neptunite) neptune, Roman god of the sea.
Watkinsonite PbCu2Bi4(Se,S)8 NAME ORIGIN: Named for David H. Watkinson (1937-), Canadian mineralogist.
Wattersite Hg+4Hg++Cr++++++O6 NAME ORIGIN: The mineral is named

for Mr. Lu Watters(1911-1989), a well known California mineral collector, jazz trumpeter, chef and environmentalist.

Wattevillite Na2Ca(SO4)2·4(H2O) (?) NAME ORIGIN: Named for Oscar de Watteville of Paris, France.

Wavellite Al3(PO4)2(OH,F)3·5(H2O) NAME ORIGIN: Named after William Wavell (?-1829) of England who discovered the mineral.

Wawayandaite Ca12Mn4B2Be18Si12O46(OH,Cl)30 [Ortho] NAME ORIGIN: Named from the Lenni Lenape Native American word "wawayanda," many or several winding, in allusion to the grossly curved and winding habit of its crystals.

Waylandite BiAl3(PO4)2(OH)6

Weberite Na2MgAlF7 NAME ORIGIN: Named for Theobald C. F. Weber (1823-1886), one of the founders of the cryolite industry in Denmark.

Websterite * (see Aluminite) See Also: GOOGLE, Athena, MinDAT, MinMax

Weddellite Ca(C2O4)·2(H2O) NAME ORIGIN: Named for the Weddel sea, Antactica.

Weeksite K2(UO2)2Si6O15·4(H2O) NAME ORIGIN: Named for Mary Alice Dowse Weeks (1909-1988), mineralogist with the U.S. Geological Survey, noted specialist in the mineralogy of uranium and vanadium.

Wegscheiderite Na5(CO3)(HCO3)3

Weibullite Pb6Bi8(S,Se)18 NAME ORIGIN: Named for Mats Weibull (1856-1923), Swedish mineralogist.

Weilerite BaAl3H[(As,P)O4]2(OH)6 NAME ORIGIN: Named for the locality. LOCALITY: Weiler and Neubulach, Black Forest, Germany.

Weilerite * (see Arsenogoyazite) See Also: GOOGLE, Athena, MinDAT, MinMax

Weilite CaHAsO4 NAME ORIGIN: Named for Rene Weil (1901-), mineralogist of Strasbourg, France, known for his study of Alsatian minerals.

Weinebeneite CaBe3(PO4)2(OH)2·5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Weinebebe, Koralpe, Carinthia, Austria.

Weinschenkite * (see Churchite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax

Weishanite (Au,Ag)3Hg2 NAME ORIGIN: Named for the locality. LOCALITY: Weishan, Poshan mining district,Tongbai County, Henan Province, China.

Weissbergite TlSbS2 NAME ORIGIN: Named for Byron G. Weissberg, Chemistry division, D.S.I.R., New Zeland.

Weissite Cu1.9Te NAME ORIGIN: Named for Louis Weiss, owner of the Good Hope mine and discoverer of rickardite.

Welinite-III Mn++6(W++++++,Mg)2Si2(O,OH)14

Welinite-VIII (Mn++,Mg)3(W++++++,Mn+++)1-x(SiO4)(O,OH)3 (x=1/3) NAME ORIGIN: Named for Eric Welin, mineralogist and geochronologist, Swedish Museum of Natural History, Stockholm, Sweden.

Wellsite-barian Phillipsite-Ca * (see Phillipsite-Ca) See Also: GOOGLE, Athena, MinDAT, MinMax

Wellsite-calcian Harmotome * (see Harmotome) See Also: GOOGLE, Athena, MinDAT, MinMax

Weloganite Sr3Na2Zr(CO3)6·3(H2O) NAME ORIGIN: Named for William E. Logan (1798-1875), first director of the Canadian Geologic Survey.

Welshite Ca2Mg4(Mn,Fe)Sb+++++2O2[Si3Be2O18]

Wendwilsonite Ca2(Mg,Co)(AsO4)2·2(H2O) NAME ORIGIN: Named for Wendell E. Wilson (1946-), mineralogist, editor, and publisher of the Mineralogical Record.

Wenkite Ba4Ca6(Si,Al)20O39(OH)2(SO4)3·n(H2O) (?) NAME ORIGIN: Named for Eduard Wenk (1907-), mineralogist and petrologist, University of Basel,

Basel, Switzerland.
Werdingite (Mg,Fe)2Al14B4Si4O37 NAME ORIGIN: Named for Gunter Werding, of the Mineralogical Institute, Ruhr University, Bochum, Germany.
Wermlandite (Ca,Mg)Mg7(Al,Fe+++)2(SO4)2(OH)18·12(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Långban mine, Bergslagen ore district, Filipstad, Värmland (Wermland), Sweden.
Wernerite * (see Marialite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wernerite * (see Meionite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wernerite * (see Scapolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wesselsite ! SrCu++Si4O10 NAME ORIGIN: Named after the locality. LOCALITY: Wessels mine, Kalahari Manganese field, Kuruman Hill, Cape Province, South Africa.
Westerveldite (Fe,Ni,Co)As NAME ORIGIN: Named for Jan Westerveld (1905-1962), Professor of Geology and Mineralogy, University of Amsterdam, The Netherlands.
Westgrenite * (see Bismutomicrolite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wheatleyite Na2Cu(C2O4)2·2(H2O)
Wheel Ore * (see Bournonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wherryite Pb7Cu2(SO4)4(SiO4)2(OH)2 NAME ORIGIN: Named for Edgar T. Wherry (1885-1982), American mineralogist and plant ecologist.
Whewellite Ca(C2O4)·(H2O) NAME ORIGIN: Named after the British mineralogist, crystallographer and natural philosopher William Whewell (1794-1866), professor of mineralogy at Cambridge.
White Lead Ore * (see Cerussite) See Also: GOOGLE, Athena, MinDAT, MinMax
Whiteite-(CaFeMg) Ca(Fe++,Mn++)Mg2Al2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for John S. White, Jr. (1933-), former editor of the Mineralogical Record and professional curator of minerals and gems.
Whiteite-(CaMnMg) CaMn++Mg2Al2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for John S. White, Jr. (1933-), former editor of the Mineralogical Record and professional curator of minerals and gems.
Whiteite-(MnFeMg) (Mn++,Ca)(Fe++,Mn++)Mg2Al2(PO4)4(OH)2·8(H2O) NAME ORIGIN: Named for John S. White, Jr. (1933-), former editor of the Mineralogical Record and professional curator of minerals and gems.
Whitlockite Ca9(Mg,Fe++)(PO4)6(PO3OH) NAME ORIGIN: Named for Herbert Percy Whitlock (1868-1948), American mineralogist, Curator, American Museum of Natural History, New York City, NY, USA.
Whitmoreite Fe++Fe+++2(PO4)2(OH)2·4(H2O) NAME ORIGIN: Named for Robert W. Whitmore (1936-), Micromount mineral collector and owner of the Palermo mine, New Hampshire, USA.
Whitneyite * (see Algodonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wickenburgite Pb3CaAl2Si10O27·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: near Wichenburg, Maricopa County, Arizona.
Wickmanite Mn++Sn++++(OH)6 NAME ORIGIN: Named for Franz-Erik Wickman (1915-), Swedish mineralogist, who studied the mineralogy of the Langban area.
Wicksite NaCa2(Fe++,Mn++)4MgFe+++(PO4)6·2(H2O)
Widenmannite Pb2(UO2)(CO3)3 NAME ORIGIN: Named for Bergrat J. F. Widenmann (1764-1798), who first discovered uranium containing micas in the Schwarzwald.

Widgiemoolthalite (Ni,Mg)5(CO3)4(OH)2·4-5(H2O) NAME ORIGIN: Named for the locality. LOCALITY: 132 North Nickel mine, 4 km SW of Widgiemooltha, 80 km S of Kalgoorlie, Australia.
Wightmanite Mg5(BO3)O(OH)5·2(H2O)
Wilcoxite MgAl(SO4)2F·18(H2O) NAME ORIGIN: Named after William Wilcox, who discovered this mining district in 1879. He was killed by Apache Indians in 1880.
Wilhelmkleinite ! ZnFe+++3(AsO4)2(OH)2 NAME ORIGIN: Named after Wilhelm Klein, former mine manager in Anamibia, who made the first systematic collection of minerals from the Tsumeb mine.
Wilhelmramsayite ! Cu3FeS3·2(H2O) NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Wilhelmvierlingite CaMn++Fe+++(PO4)2(OH)·2(H2O) NAME ORIGIN: Named for William Vierling (1901-1995), Weiden, Bavaria, Germany.
Wilkeite * (see Fluorapatite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wilkeite * (see Fluorellestadite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wilkinsonite Na2Fe++4Fe+++2Si6O20
Wilkmanite Ni3Se4 NAME ORIGIN: Named for W. W. Wilkman, geologist.
Willemite Zn2SiO4 NAME ORIGIN: After Willem I, King of the Netherlands (1772-1843).
Willemseite (Ni,Mg)3Si4O10(OH)2
Willhendersonite KCaAl3Si3O12·5(H2O) NAME ORIGIN: Named after William A. Henderson, of Stamford, Connecticut, U.S.A., who noted this as an unusual mineral and provided it for study.
Williamsite * (see Antigorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Willyamite (Co,Ni)SbS NAME ORIGIN: Named for the locality. LOCALITY: A.B.H. Consols mine, Broken Hill, Willyama Township, New South Wales, Australia.
Wiltshireite * (see Rathite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wiluite ! Ca19(Al,Mg,Fe,Ti)13(B,Al,[ ])5Si18O68(O,OH)10 NAME ORIGIN: Named after the discovery locality. LOCALITY: Wilui River, Yakutia, Russia.
Winchite [ ](CaNa)Mg4(Al,Fe3+)Si8O22(OH)2 NAME ORIGIN: Named for its composition and for Howard J. Winch, Geological survey of India.
Winebergite (discredited) * (see Hydrobasaluminite) See Also: GOOGLE, Athena, MinDAT, MinMax
Winstanleyite TiTe++++3O8 NAME ORIGIN: Named for Betty Jo Winstanley (1934-), amateur mineralogist, who found the first specimen.
Wiserite Mn4B2O5(OH,Cl)4
Witherite BaCO3 NAME ORIGIN: Named after William Withering (1741-1799). English physician and mineralogist.
Wittichenite Cu3BiS3 NAME ORIGIN: Named after its locality. LOCALITY: Wittichen, Baden, Germany.
Wittite Pb3Bi4(S,Se)9 NAME ORIGIN: Named for T. Witt, Swedish mining engineer.
Wodginite Mn++(Sn,Ta)(Ta,Nb)2O8 NAME ORIGIN: Named for the locality. LOCALITY: Wodgina, Marble Bar, and Greenbushes, Western Australia.
Woehlerite * (see Wohlerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Woelsendorfite * (see Wolsendorfite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wohlerite NaCa2(Zr,Nb)Si2O7(O,OH,F)2 NAME ORIGIN: Named for Friedrich Wohler (1800-1882), German chemist, Gottingen, Germay.
Wolchonskoite * (see Volkonskoite) See Also: GOOGLE, Athena, MinDAT, MinMax

Wolfeite (Fe++,Mn++)2(PO4)(OH) NAME ORIGIN: Named for Caleb Wroe Wolfe (1908-1980), crystallographer, Boston University.
Wolframite * (Fe,Mn)WO4 NAME ORIGIN: From the German, Wolfram, name for tungsten.
Wolframoixiolite * (Fe,Mn,Nb)(Nb,W,Ta)O4
Wolfsbergite * (see Chalcostibite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wollastonite * (see Wollastonite-1A) See Also: GOOGLE, Athena, MinDAT, MinMax
Wollastonite * (see Wollastonite-2M) See Also: GOOGLE, Athena, MinDAT, MinMax
Wollastonite-1A CaSiO3 NAME ORIGIN: Named after the English mineralogist and chemist, W. H. Wollaston (1766-1828).
Wollastonite-1T * (see Wollastonite-1A) See Also: GOOGLE, Athena, MinDAT, MinMax
Wollastonite-2M * CaSiO3 NAME ORIGIN: Named after the English mineralogist and chemist, W. H. Wollaston (1766-1828).
Wollastonite-3A-4A-5A-7A * CaSiO3 NAME ORIGIN: Named after the English mineralogist and chemist, W. H. Wollaston (1766-1828).
Wolnyn * (see Barite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wolsendorfite (Pb,Ba,Ca)U2O7·2(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Wolsendorf, Bavaria, Germany.
Wonesite (Na,K).5(Mg,Fe,Al)3(Si,Al)4O10(OH,F)2 NAME ORIGIN: Named for petrologist David R. Wones (1932-1984), Professor of Geology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA.
Wood arsenate * (see Olivenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wood copper * (see Olivenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wood Tin * (see Cassiterite) See Also: GOOGLE, Athena, MinDAT, MinMax
Woodallite ! Mg6Cr2(OH)16Cl2·4(H2O) NAME ORIGIN: Named for Roy Woodall (1930-), Australian geologist.
Woodhouseite CaAl3(PO4)(SO4)(OH)6 NAME ORIGIN: Named for Charles D. Woodhouse (1888-1975), U.S. mineral collector
Woodruffite (Zn,Mn++)2Mn++++5O12·4(H2O) NAME ORIGIN: Named for Samuel Woodruff, late-nineteenth-century miner and mineral collector at Franklin, who collected and preserved many of the finest specimens found at that locality. LOCALITY: Sterling Hill mine, Ogdensburg, Sussex County, New Jersey, USA.
Woodwardite Cu4Al2(SO4)(OH)12·2-4(H2O) NAME ORIGIN: Named for Samuel P. Woodward (1821-1865), English naturalist and geologist.
Woolridgeite ! Na2CaCu++2(P2O7)2·10(H2O) NAME ORIGIN: Named after James Wooldridge (1923-1995), keen amateur mineralogist, micromounter and gemologist from Fernhill Heath, Worcestershire, U.K., who discovered the mineral.
Wroewolfeite Cu4(SO4)(OH)6·2(H2O) NAME ORIGIN: Named for Caleb Wroe Wolfe (1908-1980), crystallographer, Boston University.
Wuelfingite * (see Wulfingite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wuestite * (see Wustite) See Also: GOOGLE, Athena, MinDAT, MinMax
Wulfenite PbMoO4 NAME ORIGIN: Named after the Austrian mineralogist, Frantz Xaver von Wulfen (1728-1805).
Wulfingite Zn(OH)2 NAME ORIGIN: Named for Ernst Anton Wulfing (1860-1930), professor of mineralogy and petrography, Heidelberg University.
Wupatkiite (Co,Mg,Ni)Al2(SO4)4·22(H2O) NAME ORIGIN: For the prehistoric pueblo dwelling near the locality. LOCALITY: On the walls of a shallow open cut

8 miles ESE of Gray Mountain, Coconino County, Arizona USA.
Wurtzite (Zn,Fe)S NAME ORIGIN: Named after the French chemist, Charles A. Wurtze (1817-1884).
Wustite FeO
Wyartite Ca3U++++(UO2)6(CO3)2(OH)18·3-5(H2O) NAME ORIGIN: Named for Jean Wyart (1902-1992), mineralogist at the Sorbonne, Paris.
Wycheproofite NaAlZr(PO4)2(OH)2·(H2O) NAME ORIGIN: For the locality. LOCALITY: A granite quarry near Wycheproof, northwestern Victoria, Australia.
Wyllieite (Na,Ca,Mn++)(Mn++,Fe++)(Fe++,Fe+++,Mg)Al(PO4)3 NAME ORIGIN: Named for Peter John Wyllie (1930-), Professor of Petrology and Geochemistry, University of Chicago, Chicago, Illinois, USA.

(* - Mineral Name is Not IMA Approved)
(! - New Dana Classification Number Has Been Changed or Added)
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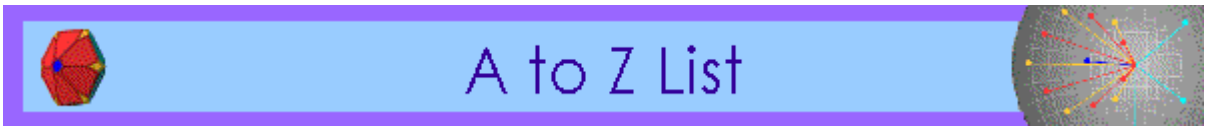

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X Index of Mineral Species

This alphabetical listing of **X minerals** include synonyms of accepted mineral names, pronunciation of that name, name origins, and locality information. Visit our expanded selection of mineral pictures.

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	Minerals identified with this icon have a sound file, courtesy of The Photo-Atlas of Minerals, which gives the pronunciation of the mineral name.
	Minerals identified with this icon have an image or picture in the database which may be viewed.
+	Minerals identified with this icon have a Java crystal form, created with the program JCrystal, which can be manipulated and rotated.
▲	This icon links the mineral to the locality-rich information contained in Mindat.org.
	Minerals identified with this icon are radioactive. - Detectable with very sensitive instruments, - very mild, - weak, - strong, - very strong, - dangerous.
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Xanthiosite ▲ Ni3(AsO4)2
Xanthoconite + ▲ Ag3AsS3 NAME ORIGIN: From the Greek xanthos, "yellow" and konis "powder."
Xanthophyllite * (see Clintonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Xanthoxenite ▲ Ca4Fe+++2(PO4)4(OH)2·3(H2O)
Xenotime-(Y) + ▲ YPO4 NAME ORIGIN: From the Greek xenos - "foreign" and time - "honor."
Xenotime-(Yb) ! + ▲ YbPO4 NAME ORIGIN: Named after its composition and relationship with xenotime-(Y).
Xiangjiangite ▲ (Fe+++,Al)(UO2)4(PO4)2(SO4)2(OH)·22(H2O) NAME ORIGIN: Named after the locality. LOCALITY: Xiangjiang River, Hunan, China.
Xifengite ▲ Fe5Si3 NAME ORIGIN: Named for the eastern passageway, Xifengkou, of the Great Wall of China.
Xilingolite ▲ Pb3Bi2S6 NAME ORIGIN: Named for the locality. LOCALITY:

Chaobuleng district, Xilingola League, Inner Mongolia, China.
Ximengite BiPO4
Xingzhongite (Pb,Cu,Fe)(Ir,Pt,Rh)2S4 NAME ORIGIN: Named for the unspecified locality. LOCALITY: China.
Xitieshanite Fe+++(SO4)(OH)·7(H2O)
Xocomecatlite Cu3Te++++++O4(OH)4 NAME ORIGIN: Named for the Nahuatl for "bunches of grapes", in allusion to the appearance of the green spherules of the mineral.
Xonotlite Ca6Si6O17(OH)2 NAME ORIGIN: Named for the locality. LOCALITY: Tetela de Xonotla, Puebla, Mexico.
Xyloretinite-C10H17O * (see Amber) See Also: GOOGLE, Athena, MinDAT, MinMax

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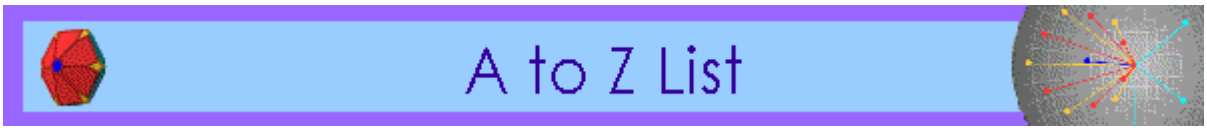

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Y Index of Mineral Species

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Yafsoanite Ca3Te2Zn3O12
Yagiite (Na,K)3Mg4(Al,Mg)6(Si,Al)24O60
Yakhontovite (Ca,K)0.5(Cu,Fe+++,Mg)2Si4O10(OH)2·3(H2O) NAME ORIGIN: Named for Liiia KKonstantinovna Yakhontova I1926-), Russian mineralogist, University of Moscow, a specialist in cobalt deposits.
Yamatoite ? (Mn++,Ca)3(V+++,Al)2(SiO4)3 NAME ORIGIN: Named for the locality. LOCALITY: Yamato mine, Kagoshima prefecture, Japan.
Yanomamite In(AsO4)·2(H2O) NAME ORIGIN: The name is after "Yanomami", a northern-Brazil indian tribe
Yaroslavite Ca3Al2F10(OH)2·(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Yaroslav, Siberia, Russia.
Yarrowite Cu9S8 NAME ORIGIN: Named for the locality. LOCALITY: Yarrow Creek, southwestern Alberta, Canada.
Yavapaiite KFe+++(SO4)2 NAME ORIGIN: Named for the Yavapai Indian

tribe that inhabited the area of Arizona where the mineral was found.
Yazganite ! ▲ NaFe+++2(Mg,Mn)(AsO4)3·H2O NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Yberisilite * (see Hingganite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Ye'elimite * (see Yeelimite) See Also: GOOGLE, Athena, MinDAT, MinMax
Yeatmanite ▲ Mn++9Zn6Sb+++++2Si4O28 NAME ORIGIN: Named for Pope Yeatman (1861-1953), U. S. Mining engineer.
Yecoraite ■▲ Bi5Fe+++3(Te++++O3)(Te++++++O4)2O9·9(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Yecora, Sonora, Mexico.
Yedlinite ■▲ Pb6CrCl6(O,OH)8 NAME ORIGIN: Named of Leo Neal Yedlin (1908-1997), micromount mineral collector of New Haven, Connecticut, USA.
Yeelimite ■▲ Ca4Al6O12(SO4) NAME ORIGIN: Named for the locality. LOCALITY: Hatrurim basin, W of the Dead Sea, Israel, near Har Ye'elim and Nahal Ye'elim (a hill and a wadi).
Yellow Lead Ore * (see Wulfenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Yenite * (see Ilvaite) See Also: GOOGLE, Athena, MinDAT, MinMax
Yftisite-(Y) ? ▲ (Y,Dy,Er)4(Ti,Sn)O(SiO4)2(F,OH)6 NAME ORIGIN: Named in 1965 for the elemental makeup, (Y, F, Ti, Si).
Yimengite ▲ K(Cr,Ti,Fe,Mg)12O19 NAME ORIGIN: Named for the locality. LOCALITY: Yimeng Mountain area, Shandong Province, China.
Yingjiangite ■▲ (K2,Ca)(UO2)7(PO4)4(OH)6·6(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Tongbiguan village, Yingiang County, Yunnan Province, China.
Yixunite ! ▲ Pt3In NAME ORIGIN: Named after it locality. LOCALITY: Near the village of Damiao and the Yixun River, about 370 km N of Beijing, People's Republic of China.
Yoderite ■▲ Mg2(Al,Fe+++)6Si4O18(OH)2 NAME ORIGIN: Named for Hatten Schyuler Yoder, Jr. (1921-), petrologist with the Geophysical Laboratory, Washinton, D. C. USA.
Yofortierite ■▲ (Mn,Mg)5Si8O20(OH)2·8-9(H2O) NAME ORIGIN: Named for Yves Oscar Fortier (1914-), formater Director of the Geological Survey of Canada (1964-1972).
Yoshimuraite ■▲ (Ba,Sr)2(Mn,Fe)2(Ti,Fe)(Si2O7)2(PO4,SO4)(OH)
Yoshiokaite ▲ (Ca8-(x/2)[ ](x/2)Al16-xSixO32)
Yttrialite-(Y) ▲ (Y,Th)2Si2O7
Yttrian Datolite * (see Calcybeborosilite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Yttrobetafite-(Y) ▲ (Y,U,Ce)2(Ti,Nb,Ta)2O6(OH) NAME ORIGIN: Named as the YTTRium-dominent betafite member of the pyrochlore group.
Yttroceberite * (see Hingganite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Yttroceberysilite * (see Hingganite-(Y)) See Also: GOOGLE, Athena, MinDAT, MinMax
Yttrocerite * ▲ CaF2 + (Y,Ce)F3 NAME ORIGIN: Named from its chemical composition containing ytterbium (Named after Ytterby, Sweden) and cerium (Named after the asteroid, Ceres)..
Yttrocerite-Y * (see Fluorite) See Also: GOOGLE, Athena, MinDAT, MinMax
Yttrocolumbite-(Y) ▲ (Y,U,Fe++)(Nb,Ta)O4 NAME ORIGIN: Named for the composition (Ytterbium, Columbium (former name for niobium)).
Yttrocrasite-(Y) ▲ (Y,Th,Ca,U)(Ti,Fe+++)2(O,OH)6 NAME ORIGIN: From the Greek for "mixture", because it is a mixture fo yttrium with many other elements.
Yttropyrochlore-(Y) ▲ (Y,Na,Ca,U)1-2(Nb,Ta,Ti)2(O,OH)7 NAME ORIGIN:

Named as the YTTRium-dominent member ot the pyrochlore group.
Yttrotantalite-(Y) (Y,U,Fe++)(Ta,Nb)O4 NAME ORIGIN: Named for its YTTRium content and relation to tantalite.
Yttrotungstite-(Ce) ! (Ce,Nd,Y)W2O6(OH)3 NAME ORIGIN: Named for its composition (Yttrium, Tungsen).
Yttrotungstite-(Y) YW2O6(OH)3 NAME ORIGIN: Named for the composition (Yttrium, Tungsten).
Yuanfuliite (Mg,Fe++)(Fe+++,Al,Mg,Ti,Fe++)(BO3)O NAME ORIGIN: Named after Prof. Yuan Fuli (1893-1987).
Yuanjiangite AuSn NAME ORIGIN: Named after its locality. LOCALITY: In sandy gravel in the middle course of the Yuanjiang River, near the town of Yuanlin, Hunan Province, Peoples Republic of China.
Yugawaralite CaAl2Si6O16·4(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Yugawara Hot Springs, Kanagawa Prefecture, Honshu, Japan.
Yukonite Ca7Fe+++11(AsO4)9O10·24.3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Tagish Lake, Yukon Territory, Canada.
Yuksporite (Sr,Ba)2K4(Ca,Na)14([ ],Mn,Fe){(Ti,Nb)4(O,OH)4[Si6O17]2[Si2O7]3}(H2O,OH)n, NAME ORIGIN: Named for the locality. LOCALITY: Yukspor, Mt. Khibiny massif, Kola peninsula, Russia.
Yushkinite V1-xS·n(Mg,Al)(OH)2 NAME ORIGIN: Named for N. P. Yushkin, Russian mineralogist.
Yvonite ! Cu(AsO3OH)·2(H2O) NAME ORIGIN: Named in honor of Klaus Yvon, professor of crystallography at the University of Geneva, Switzerland.

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Zabuyelite Li2CO3

Zaccagnaite ! Zn4Al2(OH)12(CO3)·3(H2O) NAME ORIGIN: Named for Domenico Zaccagna (1851-1940) who published the first geologic map of the Apuan Alps and a collector of minerals from the Carrara Marble.

Zaherite Al12(SO4)5(OH)26·20H20 NAME ORIGIN: Named for M. A. Zaher, Geological Survey of Bangladesh, who discovered the mineral.

Zairite Bi(Fe+++,Al)3(PO4)2(OH)6

Zajacite-(Ce) Na(REExCa1-x)(REEyCa1-y)F6 where (x ne y) NAME ORIGIN: For Dr. Ihor Stephan Zajac (1935-), the geologist who lead the exploration group that discovered the Strange Lake deposit and who first reconized the mineral.

Zakharovite Na4Mn++5Si10O24(OH)6·6(H2O)

Zalesiite ! (Ca,Y)Cu6[(AsO4)2(AsO3OH)(OH)6]·3(H2O) NAME ORIGIN: Named for the locality. LOCALITY: Zalesi (formerly Valdek) uranium deposit near

Javornik, northern Moravia, Czech Republic.
Zanazziite Ca2(Mg,Fe++)(Mg,Fe++,Al,Mn,Fe+++)4Be4(PO4)6(OH)4·6(H2O) NAME ORIGIN: Named after Dr. Pier F. Zanazzi (1939-) of the Universita degli Studi di Perugia, in recognition of his studies of the crystal structures and crystal chemistry of minerals.
Zapatalite Cu3Al4(PO4)3(OH)9·4(H2O) NAME ORIGIN: Named for Emiliano Zapata (1879-1919), hero of the Mexican Revolution.
Zaratite Ni3(CO3)(OH)4·4(H2O) NAME ORIGIN: Named after Antonio Gil y Zarate (1793-1861), Spanish diplomat, general director of public education, and counselor of state.
Zavaritskite BiOF
Zdenekite NaPbCu++5(AsO4)4Cl·5(H2O) NAME ORIGIN: For Dr. Johan Zdenek (1935-), mineralogist and Director of Scientific Affairs of the Bureau de Recherches Geologiques et Minieres, France.
Zeagonite * (see Gismondine) See Also: GOOGLE, Athena, MinDAT, MinMax
Zektzerite NaLiZrSi6O15 NAME ORIGIN: Named for Jack Zektzer (1936-), mathematician and geologist of Seattle, Washington, USA.
Zellerite Ca(UO2)(CO3)2·5(H2O) NAME ORIGIN: Named for Howard D. Zeller (1922-), U. S. Geological Survey, who found the mineral.
Zemannite Mg0.5[Zn++Fe+++(TeO3)3]·4.5(H2O) NAME ORIGIN: Named for Josef Zemann (1923-), Austrian mineralogist, University of Vienna, who studied tellurium oxysalts.
Zemkorite (Na,K)2Ca(CO3)2 NAME ORIGIN: Named for the Institute of the Earth's Crust (Russian: zemnoy kory = "earth's crust"), Russian Academy of Science, Siberian Branch where the mineral was first studied.
Zenzenite Pb3(Fe+++,Mn+++)4Mn++++3O15 NAME ORIGIN: Named for Nile Zenzen (1883-1959), formerly Senior curator of the Swedish museum of Natural History, Stockholm, Sweden.
Zeophyllite Ca4Si3O8(OH,F)4·2(H2O) NAME ORIGIN: From the Greek "to boil" and "a leaf", in allusion to its habit.
Zeravshanite ! Cs4Na2Zr3(Si18O45)(H2O)2
Zeunerite Cu(UO2)2(AsO4)2·10-16(H2O) NAME ORIGIN: Named after Gustav Anton Zeuner (1828-1907), German physicist, director, School of Mines, Freiberg, Germany.
Zhanghengite (Cu,Zn,Fe,Al,Cr)
Zharchikhite AlF(OH)2
Zhemchuzhnikovite NaMg(Al,Fe+++)(C2O4)3·8(H2O) NAME ORIGIN: Named for Yurii Apollonovich Zhemchezhnikov (1885-1957), Russian geologist.
Zhonghuacerite-(Ce) Ba2Ce(CO3)3F NAME ORIGIN: Named in Chinese for "a cerium mineral from China".
Ziesite Cu2V+++++2O7 NAME ORIGIN: Named for Emanuel G. Sies (1884-1981), Geophysical Laboratory, Carnegie Institution, Washington D.C. USA.
Zimbabweite Na(Pb,Na,K)2(Ta,Nb,Ti)4As+++4O18 NAME ORIGIN: Named for the country of origin.
Zinalsite Zn2AlSi2O5(OH)4·2(H2O) (?) NAME ORIGIN: Named for the major chemical constituents, ZINc, ALuminum, and SIlicon.
Zinc Zn NAME ORIGIN: From the German, "zink."
Zinc Blende * (see Sphalerite) See Also: GOOGLE, Athena, MinDAT, MinMax
Zinc Bloom * (see Hydrozincite) See Also: GOOGLE, Athena, MinDAT, MinMax

Zinc silicate * (see Hemimorphite) See Also: GOOGLE, Athena, MinDAT, MinMax
Zinc spar * (see Smithsonite) See Also: GOOGLE, Athena, MinDAT, MinMax
Zinc Spinal * (see Gahnite) See Also: GOOGLE, Athena, MinDAT, MinMax
Zinc-melanterite (Zn,Cu,Fe++)SO4·7(H2O)
Zinc-zippeite Zn++2(UO2)6(SO4)3(OH)10·16(H2O) NAME ORIGIN: Named for its composition and for Franz Xaver Maxmillion Zippe (1791-1863), Austrian mineralogist.
Zincalstibite ! Zn2AlSb(OH)12 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Zincaluminite Zn6Al6(SO4)2(OH)26·5(H2O) NAME ORIGIN: Named for the composition.
Zincgartrellite ! Pb(Zn,Fe,Cu)2(AsO4)2(OH,H2O)2 NAME ORIGIN: Named as the Zn-dominant analogue of gartrellite
Zincite (Zn,Mn)O NAME ORIGIN: Named after its composition containing zinc (From the German, "zink")
Zinckenite * (see Zinkenite) See Also: GOOGLE, Athena, MinDAT, MinMax
Zinclavendulan * NaCa(Zn,Cu)5(AsO4)4Cl·4-5(H2O)
Zincobotryogen (Zn,Mg,Mn)Fe+++(SO4)2(OH)·7(H2O)
Zincochromite ZnCr2O4 NAME ORIGIN: Named for ZINC and CHROMium in the composition.
Zincocopiapite ZnFe+++4(SO4)6(OH)2·18(H2O)
Zincohogbomite-2N2S ! (Zn,Fe++)(2-2x)(Ti)xAl4O8 NAME ORIGIN: Named as the Zn dominant analogue of högbomite, found as the 8H and 16H polytypes. (S=Spinel, N=Nolanite Layers).
Zincohogbomite-8H * (see Zincohogbomite-2N2S) See Also: GOOGLE, Athena, MinDAT, MinMax
Zincolibethenite ! CuZn(PO4)OH NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)
Zincosite * ZnSO4
Zincospiroffite ! Zn2Te3O8 NAME ORIGIN: The name reflects the similarity with the unit-cell parameters and composition to spiroffite
Zincostaurolite ! [ ]4Zn4Al16(Al,[ ])2Si8O40[O6,(OH)2] NAME ORIGIN: Named as the Zinc-dominant analog of staurolite.
Zincovoltaite K2Zn5Fe+++3Al(SO4)12·18(H2O)
Zincowoodwardite ! [Zn1-xAlx(OH)2][(SO4)x/2(H2O)n] NAME ORIGIN: Named as the Zn analog of woodwardite.
Zincowoodwardite-1T ! [Zn1BxAlx(OH)2][(SO4)x/2·n(H2O)], x = 0.33, n . 0.96 NAME ORIGIN: Named as the Zn analog of woodwardite.
Zincowoodwardite-3R ! [Zn1BxAlx(OH)2][(SO4)x/2·n(H2O)], 0.32 < x < 0.50, n = 0.59 NAME ORIGIN: Named as the Zn analog of woodwardite.
Zincrosasite (Zn,Cu)2(CO3)(OH)2 NAME ORIGIN: Named as the zinc rich member of rosasite.
Zincroselite Ca2Zn(AsO4)2·2(H2O)
Zincsilite Zn3Si4O10(OH)2·4(H2O) (?) NAME ORIGIN: Name for the composition (Zinc Silicate).
Zinkenite Pb9Sb22S42 NAME ORIGIN: Named after the mineralogist, J. K. L. Zincken (1798-1862).
Zinkosite * (see Zincosite) See Also: GOOGLE, Athena, MinDAT, MinMax
Zinnober * (see Cinnabar) See Also: GOOGLE, Athena, MinDAT, MinMax
Zinnwaldite KLiFe++Al(AlSi3)O10(F,OH)2 NAME ORIGIN: Named after its

locality. LOCALITY: Erzgebirge of Saxony at Zinnwald (now Cinovec) - "Ore Mountains", Czechoslovakia.

Zippeite K4(UO2)6(SO4)3(OH)10·4(H2O) NAME ORIGIN: Named for Franz Xaver Maxmillian Zippe (1791-1863), Austrian mineralogist.

Zippeite-Mg * (see Magnesium-zippeite) See Also: GOOGLE, Athena, MinDAT, MinMax

Zircon ZrSiO4 NAME ORIGIN: Named from its containing the element, zirconium; which was named from the Persian, zar "gold" and gun = "like" which translates "like gold"

Zirconolite (Ca,Ce)Zr(Ti,Nb,Fe+++)2O7 NAME ORIGIN: Named for the composition.

Zirconolite-2M CaZrTi2O7 NAME ORIGIN: Named from its compostion and crystal structure.

Zirconolite-3O (Ca,Fe,Y,Th)2Fe(Ti,Nb)3Zr2O7 NAME ORIGIN: Named for its composition.

Zirconolite-3T CaZrTi2O7 NAME ORIGIN: Named after its composition and crystal structure.

Zircophyllite K2(Na,Ca)(Mn,Fe++)7(Zr,Nb)2Si8O26(OH)4F NAME ORIGIN: Named for the ZIRCOnium in the composition and the Greek for "leaf," in reference to the habit.

Zircosulfate Zr(SO4)2·4(H2O)

Zirkelite (Ca,Th,Ce)Zr(Ti,Nb)2O7 NAME ORIGIN: Named for Ferdinand Zirkel (1838-1912), German petrographer, Professor of Mineralogy, University of Leipzig, Leipzig, Germany.

Zirkelite * (see Zirconolite-2M) See Also: GOOGLE, Athena, MinDAT, MinMax

Zirkelite * (see Zirconolite-3T) See Also: GOOGLE, Athena, MinDAT, MinMax

Zirklerite (Fe++,Mg)9Al4Cl18(OH)12·14(H2O) (?) NAME ORIGIN: Named after Zirkler, director of the Aschersleben potash works, Germany.

Zirsilite-(Ce) ! (Na,[ ])12(Ce, Na)3Ca6Mn3Zr3Nb(Si25O73)(OH)3(CO3)·H2O NAME ORIGIN: Reflects the chemical composition, ZIRconium, SILicon, Cerium).

Zirsinalite Na6(Ca,Mn,Fe++)Zr[Si6O18] NAME ORIGIN: Named for its composition (Zircon, Si, Na).

Zlatogorite ! CuNiSb2 NAME ORIGIN: Named after its locality. LOCALITY: Zlatoya Gora deposit, near Karabasch, Middle Urals, Russia.

Znucalite CaZn11(UO2)(CO3)3(OH)20·4(H2O) NAME ORIGIN: Named for the composition (Zn, U, Calcium).

Zodacite Ca4Mn++Fe+++4(PO4)6(OH)4·12(H2O) NAME ORIGIN: Named for Peter Zodac (1894-1967), founder and editor of Rocks and Minerals.

Zoisite Ca2Al3(SiO4)3(OH) = Ca2AlAl2(SiO4)(Si2O7)O(OH) NAME ORIGIN: Named after the Austrian natural scientist, Siegmund Zois (1747-1819).

Zoltaiite ! Ba(V++++,Ti)2V+++12Si2O27 NAME ORIGIN: Commission on New Minerals and Mineral Names (CNMMN)

Zorgite * (see Clausthalite) See Also: GOOGLE, Athena, MinDAT, MinMax

Zorite Na6Ti5[Si12O34](O,OH)5·11(H2O) NAME ORIGIN: Named from the Russian for "rosy tint of the dawn sky."

Zoubekite AgPb4Sb4S10 NAME ORIGIN: Named for Vladimir Zoubek (1903-), Czech geologist.

Zugshunstite-(Ce) ! (Ce,Nd,La)Al(SO4)2(C2O4)·8(H2O) NAME ORIGIN: Named for the Cherokee Indian term for the Great Smoky Mountains.

Zunyite Al13Si5O20(OH,F)18Cl NAME ORIGIN: Named for the locality.

LOCALITY: Zuni mine, Anvil Mountain, Silverton, San Juan County, Colorado, USA.
Zussmanite K(Fe++,Mg,Mn)13[AlSi17O42](OH)14 NAME ORIGIN: Named for Jack Zussman (1924-), crystallographer and emeritus professor of geology, Manchester University, England.
Zvyagintsevite (Pd,Pt,Au)3(Pb,Sn) NAME ORIGIN: Named for Orest Evgenevich Zvyagintsev, who did geochemical research on the platinum metals.
Zwieselite (Fe++,Mn)2(PO4)F NAME ORIGIN: Named for the locality. LOCALITY: Rebenstein, Zweisel, Bavaria, Germany.
Zykaite Fe+++4(AsO4)3(SO4)(OH)·15(H2O) NAME ORIGIN: Named for Vaclav Zyka (1926-), Czech geochemist.

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