

9 February 2004 – Note to our readers:

We welcome your comments and criticism. If you are reporting substantive changes, errors or omissions, please provide us with a literature reference so we can confirm what you have suggested. Thanks!

Mineral Names, Redefinitions & Discreditations Passed by the CNMMN of the IMA

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Minerals in the MINERAL Database which have been designated as “Q” (questionable minerals, not approved by the CNMMN), as “G” (“golden or grandfathered” minerals described in the past and generally believed to represent valid species names), as “U” (unnamed), as “N” (not approved by the CNMMN) and as “P” (polymorphs) have not been included as part of this listing. These minerals can be found in the Free MINERAL Database now being distributed by Materials Data, Inc (MDI@MaterialsData.com and <http://www.materialsdata.com>) for just the cost of making and shipping the CD or without any cost whatever when downloaded directly from the Materials Data website.

While we strive to include the “best” formula, the reference supplied for each mineral is for the published announcement of the CNMMN decision regarding the mineral’s status rather than to what might be considered the “key” reference for the mineral. In the MINERAL database the “key” reference is always listed first followed by the other references. We have chosen not to use journal abbreviations here or in the MINERAL database to avoid confusion and to facilitate finding the information.

We wish to thank the CNMMN members who offered constructive criticisms of the data in these lists and especially Giovanni Ferraris and Ernst Burke who helped greatly with diacritically marked names and references and by carefully reviewing the final manuscript. Of course any remaining errors are ours.

- A Abelsonite . . . . .  $\text{NiC}_{31}\text{H}_{32}\text{N}_4$   
American Mineralogist **63** (1978) **930**
- A Abenakiite-(Ce) . . . . .  $\text{Na}_{26}(\text{Ce}, \text{Nd}, \text{La})_6(\text{SiO}_3)_6(\text{PO}_4)_6(\text{CO}_3)_6(\text{SO}_2)\text{O}$   
Canadian Mineralogist **32** (1994), **843**
- A Abhurite . . . . .  $\text{Sn}_{21}^{2+}\text{Cl}_{16}(\text{OH})_{14}\text{O}_6$   
Canadian Mineralogist **23** (1985), **233**
- D Abkhazite . . . . .  $\text{Ca}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63** (1978), **1023**
- D Abrazite . . . . .  $\text{K}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), **1571**
- D Abriachanite . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63** (1978), **1023**
- D Absite . . . . .  $(\text{U}, \text{Ca}, \text{Y}, \text{Ce})(\text{Ti}, \text{Fe})_2\text{O}_6$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **92** (1963), **113**
- A Abswurbachite . . . . .  $\text{Cu}^{2+}\text{Mn}_6^{3+}\text{O}_8(\text{SiO}_4)$   
Neues Jahrbuch für Mineralogie, Abhandlungen **163** (1991), **117**
- D Abukumalite . . . . .  $(\text{Ca}, \text{Ce})_2\text{Y}_3(\text{SiO}_4, \text{PO}_4)_3(\text{O}, \text{OH}, \text{F})$   
American Mineralogist **51** (1966), **152**
- D Acadialite . . . . .  $(\text{Ca}, \text{K}, \text{Na})(\text{Si}, \text{Al})_3\text{O}_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), **1571**
- A Acetamide . . . . .  $\text{CH}_3\text{CONH}_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **104** (1975), **326**
- D Achiardite . . . . .  $(\text{Na}, \text{K}, \text{Ca})_5(\text{Si}, \text{Al})_{24}\text{O}_{48} \cdot 14\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), **1571**
- D Achlusite . . . . .  $\text{Na}, \text{K}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist **36** (1998), **905**
- D Achrematite . . . . .  $\text{Pb}, \text{Mo}, \text{As}, \text{O}, \text{Cl}$   
American Mineralogist **62** (1977), **170**
- D Achromaite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63** (1978), **1023**
- D Acmite . . . . .  $\text{NaFe}^{3+}\text{Si}_2\text{O}_6$   
Mineralogical Magazine **52** (1988), **535**
- A Actinolite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}^{2+})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist **35** (1997), **219**
- D Actinolitic hornblende . . . . .  $\square\text{Ca}_2(\text{Mg}, \text{Fe}^{2+})_4(\text{Al}, \text{Fe}^{3+})(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH}, \text{F})_2$   
Canadian Mineralogist **35** (1997), **219**
- D Actinote . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH}, \text{F})_2$   
American Mineralogist **63** (1978), **1023**
- D Actynolin . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH}, \text{F})_2$   
American Mineralogist **63** (1978), **1023**
- D Actynolite . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH}, \text{F})_2$   
American Mineralogist **63** (1978), **1023**
- A Acuminite . . . . .  $\text{SrAlF}_4(\text{OH}) \cdot \text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1987), **502**
- D Adamsite (of Shepard) . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36** (1998), **905**
- A Adamsite-(Y) . . . . .  $\text{NaY}(\text{CO}_3)_2 \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist **38** (2000), **1457**
- D Adelpholite . . . . .  $(\text{Y}, \text{Ce}, \text{U}, \text{Fe})_3(\text{Nb}, \text{Ta}, \text{Ti})_5\text{O}_{16}$   
Bulletin de la Commission Géologique de Finlande **218** (1965), **201**
- D Adipite . . . . .  $\text{Ca}, \text{Na}, \text{K}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), **1571**

- A Admontite . . . . .  $\text{MgB}_6\text{O}_{10} \cdot 7\text{H}_2\text{O}$   
*Tschermaks Mineralogische und Petrographische Mitteilungen* **26 (1979), 69**
- D Aedelforsite . . . . .  $\text{Na, Ca, Al, Si, O, H}_2\text{O}$   
*Canadian Mineralogist* **35 (1997), 1571**
- D Aedelite (of Kirwan) . . . . .  $\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
*Canadian Mineralogist* **35 (1997), 1571**
- D Aedilite . . . . .  $\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
*Canadian Mineralogist* **35 (1997), 1571**
- A Aegirine . . . . .  $\text{NaFe}^{3+}\text{Si}_2\text{O}_6$   
*Mineralogical Magazine* **52 (1988), 535**
- R Aegirine-augite . . . . .  $(\text{Ca, Na})(\text{Fe}^{3+}, \text{Fe}^{2+}, \text{Mg})\text{Si}_2\text{O}_6$   
*American Mineralogist* **73 (1988), 1123**
- D Aegirine-hedenbergite . . . . .  $(\text{Ca, Mg, Fe})_2\text{Si}_2\text{O}_6$   
*Mineralogical Magazine* **52 (1988), 535**
- D Aegirite . . . . .  $\text{NaFe}^{3+}\text{Si}_2\text{O}_6$   
*Mineralogical Magazine* **52 (1988), 535**
- D Aegyrite . . . . .  $\text{NaFe}^{3+}\text{Si}_2\text{O}_6$   
*Mineralogical Magazine* **52 (1988), 535**
- A Aenigmatite . . . . .  $\text{Na}_2\text{Fe}_5^{2+}\text{TiSi}_6\text{O}_{20}$   
*Mineralogical Magazine* **36 (1967), 133**
- R Aërinite . . . . .  $\text{Ca}_4(\text{Fe}^{3+}, \text{Al})_3\text{Mg}_3(\text{Si, Al})_{18}\text{O}_{42}(\text{OH})_6 \cdot 11\text{H}_2\text{O}$   
*Bulletin de Minéralogie* **111 (1988), 39**
- R Aerugite . . . . .  $\text{Ni}_{8.5}(\text{AsO}_4)_2\text{AsO}_8$   
*Mineralogical Magazine* **35 (1965), 72**
- A Aeschynite-(Ce) . . . . .  $(\text{Ce, Ca, Fe, Th})(\text{Ti, Nb})_2(\text{O, OH})_6$   
*American Mineralogist* **72 (1987), 1031 (Appendix 2)**
- A Aeschynite-(Nd) . . . . .  $(\text{Nd, Ce})(\text{Ti, Nb})_2(\text{O, OH})_6$   
*American Mineralogist* **72 (1987), 1031 (Appendix 2)**
- R Aeschynite-(Y) . . . . .  $(\text{Y, Ca, Fe, Th})(\text{Ti, Nb})_2(\text{O, OH})_6$   
*American Mineralogist* **51 (1966), 152**
- A Afghanite . . . . .  $(\text{Na, Ca})_{32}(\text{Si, Al})_{48}\text{O}_{96}(\text{SO}_4)_{5.3}\text{CO}_3\text{Cl}_2 \cdot 4\text{H}_2\text{O}$   
*Bulletin de la Société Française de Minéralogie et de Cristallographie* **91 (1968), 34**
- D Agalite . . . . .  $\text{Mg, Si, O, OH}$   
*Mineralogical Magazine* **52 (1988), 535**
- D Agalmatolite . . . . .  $\text{Al, Si, O, H}_2\text{O} (?)$   
*Canadian Mineralogist* **36 (1998), 905**
- A Agardite-(La) . . . . .  $(\text{Cu, Ca})_6\text{La}(\text{AsO}_4)_3(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
*Lapis* **1 (1984), 22, 37**
- A Agardite-(Y) . . . . .  $\text{Cu}_6(\text{Y, Ca})(\text{AsO}_4)_3(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
*Bulletin de la Société Française de Minéralogie et de Cristallographie* **92 (1969), 420**
- D Aglaite . . . . .  $\text{Li, Al, Si, O}$   
*Mineralogical Magazine* **52 (1988), 535**
- A Agrellite . . . . .  $\text{NaCa}_2\text{Si}_4\text{O}_{10}\text{F}$   
*Canadian Mineralogist* **14 (1976), 120**
- A Agrinierite . . . . .  $\text{K}_2(\text{Ca, Sr})(\text{UO}_2)_6\text{O}_6(\text{OH})_4 \cdot 5\text{H}_2\text{O}$   
*Mineralogical Magazine* **38 (1972), 781**
- A Aheylite . . . . .  $(\text{Fe, Zn})\text{Al}_6(\text{PO}_4)_4(\text{OH})_8 \cdot 4\text{H}_2\text{O}$   
*International Mineralogical Association, General Meeting Program Abstracts (1986), 102*
- A Akaganéite . . . . .  $(\text{Fe}^{3+}, \text{Ni}^{2+})_8(\text{OH, O})_{16} \cdot 1.25\text{Cl}$

- Mineralogical Magazine 33 (1962), 270
- A Akatoreite . . . . .  $\text{Mn}_9^{2+}\text{Al}_2\text{Si}_8\text{O}_{24}(\text{OH})_8$   
American Mineralogist 56 (1971), 416
- A Akdalaite . . . . .  $(\text{Al}_2\text{O}_3)_4 \cdot \text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 99 (1970), 333
- A Akhtenskite . . . . .  $\text{MnO}_2$   
International Geology Review 29 (1987), 434
- A Akimotoite . . . . .  $(\text{Mg}, \text{Fe})\text{SiO}_3$   
American Mineralogist 84 (1999), 267
- A Aksaite . . . . .  $\text{MgB}_6\text{O}_7(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 131
- D Aktinolitischer tschermakite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH}, \text{F})$   
American Mineralogist 63 (1978), 1023
- A Alacranite . . . . .  $\text{As}_8\text{S}_9$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 115 (1986), 360
- D Alalite . . . . .  $\text{MgCaSi}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Alarsite . . . . .  $\text{AlAsO}_4$   
Doklady Akademiia Nauk (in Russian). 338 (1994), 501
- D Alaskaite . . . . .  $\text{Zn}, \text{Sb}, \text{Pb}, \text{Bi}, \text{S}$   
Neues Jahrbuch für Mineralogie, Abhandlungen 117 (1972), 19
- D Alazanite . . . . .  $\text{FeS}_{1.2}$   
Mineralogical Magazine 43 (1980), 1055
- A Albrechtschraufite . . . . .  $\text{Ca}_4\text{Mg}(\text{UO}_2)_2(\text{CO}_3)_6\text{F}_2 \cdot 17\text{H}_2\text{O}$   
Acta Crystallographica A40 (1984), C-247
- D Albrittonite . . . . .  $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$   
American Mineralogist 67 (1982), 156
- A Aldermanite . . . . .  $(\text{Mg}, \text{Ca})_5\text{Al}_{12}(\text{PO}_4)_8(\text{OH})_{22} \cdot 32\text{H}_2\text{O}$   
Mineralogical Magazine 44 (1981), 59
- D Aldzhanite . . . . .  $\text{Ca}, \text{B}, \text{Cl}$   
Mineralogical Magazine 43 (1980), 1055
- A Aleksite . . . . .  $\text{PbBi}_2\text{Te}_2\text{S}_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 107 (1978), 315
- A Alforsite . . . . .  $\text{Ba}_5(\text{PO}_4)_3\text{Cl}$   
American Mineralogist 66 (1981), 1050
- R Aliettite . . . . .  $\text{Ca}_{0.2}\text{Mg}_6(\text{Si}, \text{Al})_8\text{O}_{20}(\text{OH})_4 \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 19 (1981), 651
- D Alkali augite . . . . .  $(\text{Na}, \text{Ca})(\text{Fe}, \text{Mg}, \text{Al})\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- D Alkali-femaghastingsite . . . . .  $(\text{Ca}, \text{Na}, \text{K})_3(\text{Mg}, \text{Fe})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Alkali-ferrohastingsite . . . . .  $(\text{Ca}, \text{Na}, \text{K})_3(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Alkali-hastingsite . . . . .  $(\text{Ca}, \text{Na}, \text{K})_3(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Allabogdanite . . . . .  $(\text{Fe}, \text{Ni})_2\text{P}$   
American Mineralogist 87 (2002), 1245
- A Allactite . . . . .  $\text{Mn}_7(\text{AsO}_4)_2(\text{OH})_8$   
Mineralogical Magazine 43 (1980), 1054
- A Allanite-(Ce) . . . . .  $\text{Ca}(\text{Ce}, \text{La})(\text{Al}, \text{Fe}, \text{Cr}, \text{V})_3(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{O}, \text{OH})_2$   
American Mineralogist 72 (1987), 1031 (Appendix 2)

- R Allanite-(La) . . . . .  $(Ca, La)_2(Al, Fe, V)_3(Si_2O_7)(SiO_4)(O, OH)_2$   
*American Mineralogist* 51 (1966), 152
- R Allanite-(Y) . . . . .  $Ca(Y, La, Ce)(Al, Fe)_3(Si_2O_7)(SiO_4)(O, OH)_2$   
*American Mineralogist* 51 (1966), 152
- R Allargentum . . . . .  $Ag_{0.86}Sb_{0.14}$   
*Canadian Mineralogist* 10 (1970), 163
- D Allcharite . . . . .  $FeOOH$   
*Bulletin de la Société Française de Minéralogie et de Cristallographie* 92 (1969), 99
- D Allemontite . . . . .  $AsSb$   
*Mineralogical Magazine* 46 (1982), 513
- D Allewardite . . . . .  $(Na, Ca)Al_4(Si, Al)_8O_{20}(OH)_4 \cdot 2H_2O$   
*American Mineralogist* 49 (1964), 446
- D Allopalladium . . . . .  $Pd_5Sb_2$   
*Zeitschrift für Geologische Wissenschaften* 5 (1977), 1003
- A Alluaivite . . . . .  $Na_{19}(Ca, Mn^{2+})_6(Ti, Nb)_3Si_{26}O_{74}Cl \cdot 2H_2O$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 119 (1990) (1), 117
- R Alluaudite . . . . .  $(Na, Ca)_2(Mn, Mg, Fe^{2+})(Fe^{3+}, Mn^{2+})_2(PO_4)_3$   
*Mineralogical Magazine* 43 (1979), 227
- A Almarudite . . . . .  $K(\square, Na)_2(Mn, Fe, Mg)_2(Be, Al)_3Si_{12}O_{30}$   
*Neues Jahrbuch für Mineralogie, Abhandlungen* 179 (2004), 265
- D Almosite . . . . .  $Fe, V, Si, O$   
*American Mineralogist* 72 (1987), 1031
- D Almeriite . . . . .  $(Na, K)Al_3(SO_4)_2(OH)_6$   
*Mineralogical Magazine* 33 (1962), 353
- A Alsakharovite-Zn . . . . .  $NaSrKZn(Ti, Nb)_4(Si_4O_{12})_2(O, OH)_4 \cdot 7H_2O$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* 132 (2003) (1), 52
- A Althausite . . . . .  $Mg_2PO_4(OH, F, O)$   
*Lithos* 8 (1975), 215
- A Althupite . . . . .  $AlTh(UO_2)_7(PO_4)_4O_2(OH)_5 \cdot 15H_2O$   
*Bulletin de Minéralogie* 110 (1987), 65
- A Altisite . . . . .  $Na_3K_6Ti_2Al_2Si_8O_{26}Cl_3$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* 123 (1994) (6), 82
- D Altmarkite . . . . .  $HgPb_2$   
*Mineralogical Magazine* 43 (1980), 1055
- g Alum . . . . .  $(Na, K, NH_4)(Al, Fe^{3+})(SO_4)_2 \cdot 12H_2O$   
*Canadian Mineralogist* 37 (1999), 1323
- A Aluminium . . . . .  $Al$   
*Doklady Akademiia Nauk, SSSR (USSR)* 318 (1991), 1211
- A Aluminobarroisite . . . . .  $\square NaCaMg_3Al_2(Si_7Al)O_{22}(OH)_2$   
*Canadian Mineralogist* 35 (1997), 219
- D Aluminobetafite . . . . .  $(Al, Ca, Y, U)_2(Ti, Nb, Sn, Fe, Mn)_2O_6 \cdot 6H_2O$  (?)  
*Mineralogical Magazine* 36 (1967), 133
- A Aluminoceladonite . . . . .  $KAl(Mg, Fe)Si_4O_{10}(OH)_2$   
*Canadian Mineralogist* 36 (1998), 905
- A Alumino-ferrobarroisite . . . . .  $\square NaCa(Fe^{2+}, Mg)_3Al_2(Si_7Al)O_{22}(OH)_2$   
*Canadian Mineralogist* 35 (1997), 219
- A Alumino-ferro-hornblende . . . . .  $Ca_2Fe_4Al(Si_7Al)O_{22}(OH)_2$   
*American Mineralogist* 63 (1978), 1023
- A Alumino-ferrotschermakite . . . . .  $\square Ca_2Fe_3^{2+}Al_2(Si_6Al_2)O_{22}(OH)_2$   
*Canadian Mineralogist* 35 (1997), 219
- A Alumino-katophorite . . . . .  $Na_2Ca(Fe, Mg)_4Al(Si_7Al)O_{22}(OH)_2$

- American Mineralogist 63 (1978), 1023
- A Alumino-magnesio-hornblende . . . . .  $\text{Ca}_2\text{Mg}_4\text{Al}(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Alumino-magnesiohulsite . . . . .  $\text{Mg}_2(\text{Al}, \text{Mg}, \text{Sn})\text{O}_2(\text{BO}_3)$   
European Journal of Mineralogy 16 (2004), 151
- A Alumino-magnesiotaramite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe}^{2+})_3\text{Al}_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- R Aluminotaramite . . . . .  $\text{Na}_2\text{CaFe}_3^{2+}\text{Al}_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Aluminotschermakite . . . . .  $\square\text{Ca}_2\text{Mg}_3\text{Al}_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Alumino-winchite . . . . .  $\text{NaCaMg}_4\text{AlSi}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Alumobriholite . . . . .  $(\text{Ce}, \text{Ca}, \text{Al})(\text{SiO}_4, \text{PO}_4)_3(\text{OH}, \text{F})$   
Mineralogical Magazine 36 (1967), 133
- D Alumocobaltomelane . . . . .  $\text{Mn}, \text{Co}, \text{O}$   
Mineralogical Magazine 33 (1962), 261
- D Alumoferroascharite . . . . .  $\text{Mg}, \text{Al}, \text{B}, \text{CO}_3, \text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 93 (1964), 1
- A Alumohydrocalcite . . . . .  $\text{CaAl}_2(\text{CO}_3)_2(\text{OH})_4 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1054
- D  $\beta$ -Alumohydrocalcite . . . . .  $\text{CaAl}_2(\text{CO}_3)_2(\text{OH})_4 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 133
- A Alumoklyuchevskite . . . . .  $\text{K}_3\text{Cu}_3\text{AlO}_2(\text{SO}_4)_4$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 124 (1995) (1), 95
- A Alumopharmacosiderite . . . . .  $\text{KAl}_4(\text{AsO}_4)_3(\text{OH})_4 \cdot 6.5\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1981), 97
- A Alumotantite . . . . .  $\text{AlTaO}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 338
- A Alumotungstite . . . . .  $(\text{H}_2\text{O}, \text{Ca})_x(\text{W}, \text{Al})_2(\text{O}, \text{OH})_6 \cdot n\text{H}_2\text{O}$   
Mineralogical Record 12 (1981), 81
- R Alunite . . . . .  $\text{KAl}_3(\text{SO}_4)_2(\text{OH})_6$   
American Mineralogist 72 (1987), 178
- D Alurgite . . . . .  $\text{K}, \text{Al}, \text{Mn}, \text{Si}, \text{O}$   
Canadian Mineralogist 36 (1998), 905
- A Alvanite . . . . .  $(\text{Zn}, \text{Ni})\text{Al}_4(\text{VO}_3)_2(\text{OH})_{12} \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 260
- A Amakinite . . . . .  $(\text{Fe}^{2+}, \text{Mg})(\text{OH})_2$   
Mineralogical Magazine 36 (1967), 131
- D Amblystegite . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535
- A Ameghinite . . . . .  $\text{NaB}_3\text{O}_3(\text{OH})_4$   
American Mineralogist 52 (1967), 935
- D Ameletite . . . . .  $\text{K}, \text{Na}, \text{Al}, \text{Si}$   
Mineralogical Magazine 36 (1967), 438
- D Amiant . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
American Mineralogist 63 (1978), 1023
- D Amianthinite . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
American Mineralogist 63 (1978), 1023
- D Amianthoide . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
American Mineralogist 63 (1978), 1023

- D Amianthus . . . . . Mg, Si, O, H<sub>2</sub>O  
American Mineralogist 63 (1978), 1023
- A Amicite . . . . . K<sub>2</sub>Na<sub>2</sub>(Si<sub>4</sub>Al<sub>4</sub>)O<sub>16</sub>•5H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1979), 481
- D Ammochrysos . . . . . KAl<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Ammonioalunite . . . . . NH<sub>4</sub>Al<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
American Mineralogist 73 (1988), 145
- R Ammoniojarosite . . . . . NH<sub>4</sub>Fe<sub>3</sub><sup>3+</sup>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
American Mineralogist 72 (1987), 178
- A Ammonioleucite . . . . . (NH<sub>4</sub>, K)(Si<sub>2</sub>Al)O<sub>6</sub>  
American Mineralogist 71 (1986), 1022
- D Ammonium hydromica . . . . . (NH<sub>4</sub>)Al<sub>2</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(H<sub>2</sub>O, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Ammonium muscovite . . . . . (K, NH<sub>4</sub>)Al<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Amosite . . . . . Fe, Mg, Si, O, OH  
American Mineralogist 63 (1978), 1023
- D Ampangabéite . . . . . (Y, Ce, U, Fe)<sub>3</sub>(Nb, Ta, Ti)<sub>5</sub>O<sub>16</sub>  
Mineralogical Magazine 33 (1962), 262
- g Amphibole . . . . .  
Canadian Mineralogist 41 (2003), 1355
- D Amphibole-anthophyllite . . . . . (Mg, Fe)<sub>7</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Amphibolite . . . . . Ca<sub>2</sub>(Mg, Fe, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Amphigène . . . . . KAlSi<sub>2</sub>O<sub>6</sub>  
Canadian Mineralogist 35 (1997), 1571
- D Amphigilite . . . . . KAl<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Amstallite . . . . . CaAl(Si, Al)<sub>4</sub>O<sub>8</sub>(OH)<sub>4</sub>•(H<sub>2</sub>O, Cl)  
Neues Jahrbuch für Mineralogie, Monatshefte (1987), 253
- D Analcidite . . . . . NaAlSi<sub>2</sub>O<sub>6</sub>•H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Analcime . . . . . Na(Si<sub>2</sub>Al)O<sub>6</sub>•H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Analcite . . . . . NaAlSi<sub>2</sub>O<sub>6</sub>•H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Analzim . . . . . NaAlSi<sub>2</sub>O<sub>6</sub>•H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Anandite . . . . . (Ba, K)(Fe, Mg)<sub>3</sub>(Si, Al, Fe)<sub>4</sub>O<sub>10</sub>(S, OH)<sub>2</sub>  
Mineralogical Magazine 36 (1967), 1
- D Anarakite . . . . . (Cu, Zn)<sub>2</sub>(OH)<sub>3</sub>Cl  
Mineralogical Magazine 43 (1980), 1055
- A Anatase . . . . . TiO<sub>2</sub>  
Mineralogical Magazine 33 (1962), 262
- D Anauxite . . . . . Al<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub>  
Clays and Clay Minerals 17 (1969), 241
- A Ancylite-(Ce) . . . . . (Ce, La, Sr, Ca)CO<sub>3</sub>(OH, H<sub>2</sub>O)  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Ancylite-(La) . . . . . SrLa(CO<sub>3</sub>)<sub>2</sub>(OH)•H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 126 (1997) (1), 96

- D Andreasbergolite . . . . .  $(\text{Ba}, \text{K})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Andremeyerite . . . . .  $\text{BaFe}^{2+}(\text{Fe}^{2+}, \text{Mn}^{2+}, \text{Mg})\text{Si}_2\text{O}_7$   
Bulletin de la Commission Géologique de Finlande 45 (1973), 1
- D Andreolite . . . . .  $(\text{Ba}, \text{K})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Andréolithe . . . . .  $(\text{Ba}, \text{K})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Andrewsite . . . . .  $\text{Cu}, \text{Fe}, \text{PO}_4, \text{OH}$   
American Mineralogist 75 (1990), 1197
- A Androsite-(La) . . . . .  $(\text{Mn}^{2+}, \text{Ca})(\text{La}, \text{Ce}, \text{Ca})(\text{Al}, \text{Mn}^{3+}, \text{Mn}^{2+})_3(\text{SiO}_4)(\text{Si}_2\text{O}_7)\text{O}(\text{OH})$   
American Mineralogist 81 (1996), 735
- A Andyrobertsite . . . . .  $\text{K}(\text{Cd}, \text{Ca})\text{Cu}_5(\text{AsO}_4)_4[\text{As}(\text{OH})_2\text{O}_2] \cdot 2\text{H}_2\text{O}$   
Mineralogical Record 30 (1999), 181
- A Angelellite . . . . .  $\text{Fe}_4^{3+}\text{O}_3(\text{AsO}_4)_2$   
Mineralogical Magazine 33 (1962), 261
- A Anilite . . . . .  $\text{Cu}_7\text{S}_4$   
American Mineralogist 54 (1969), 1256
- A Ankangite . . . . .  $\text{Ba}(\text{Ti}, \text{V}^{3+}, \text{Cr}^{3+})_8\text{O}_{16}$   
Chinese Science Bulletin 34 (1989), 592
- A Annite . . . . .  $\text{KFe}_3^{2+}(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH}, \text{F})_2$   
Canadian Mineralogist 36 (1998), 905
- D Anomite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Anophorite . . . . .  $(\text{Na}, \text{Ca})_2(\text{Fe}, \text{Mg}, \text{Ti})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Anorthominasragrite . . . . .  $\text{V}^{4+}\text{O}(\text{SO}_4)(\text{H}_2\text{O})_5$   
Canadian Mineralogist 41 (2003), 959
- D Anosovite . . . . .  $\text{Ti}_3\text{O}_5$   
American Mineralogist 73 (1988), 1377
- A Ansermetite . . . . .  $\text{MnV}_2\text{O}_6 \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 41 (2003), 1423
- A Antarcticite . . . . .  $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}$   
Science 149 (1965), 975
- D Anthochroite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- D Anthogrammatite . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Anthogrammite . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Antholite . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Antholith . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Anthonyite . . . . .  $\text{Cu}(\text{OH}, \text{Cl})_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 131
- D Anthophylline . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- R Anthophyllite . . . . .  $\square(\text{Mg}, \text{Fe}^{2+})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Anthophyllite rayonné . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023



- D Antiödrite . . . . . BaAl<sub>2</sub>Si<sub>3</sub>O<sub>10</sub> • 4H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Antiglaucophane . . . . . Na<sub>2</sub>(Mg, Fe, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Antigorite . . . . . (Mg, Fe<sup>2+</sup>)<sub>3</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub>  
Mineralogical Magazine 36 (1967), 134
- A Antimonpearceite . . . . . (Ag, Cu)<sub>16</sub>(Sb, As)<sub>2</sub>S<sub>11</sub>  
Mineralogical Magazine 36 (1967), 131
- A Antimonselite . . . . . Sb<sub>2</sub>Se<sub>3</sub>  
Acta Mineralogica Sinica (in Chinese) 13 (1993), 7
- A Antlerite . . . . . Cu<sub>3</sub>SO<sub>4</sub>(OH)<sub>4</sub>  
Mineralogical Magazine 36 (1967), 134
- D Antrophyllite . . . . . K, Al, Si, O (?)  
Canadian Mineralogist 36 (1998), 905
- A Anyuite . . . . . AuPb<sub>2</sub>  
Mineralogicheskiy Zhurnal 11 (1989) (4), 88
- A Apachite . . . . . Cu<sub>9</sub>Si<sub>10</sub>O<sub>29</sub> • 11H<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 639
- g Apatite . . . . . (Ca, Ba, Pb, Sr, etc.)<sub>5</sub>(PO<sub>4</sub>, CO<sub>3</sub>)<sub>3</sub>(F, Cl, OH)  
Mineralogical Magazine 38 (1971), 103
- A Aplowite . . . . . (Co, Mn, Ni)SO<sub>4</sub> • 4H<sub>2</sub>O  
Canadian Mineralogist 8 (1965), 166
- D Apoanalcite . . . . . Na<sub>2</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>10</sub> • 2H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- g Apophyllite . . . . .  
Mineralogical Record 9 (1978), 95
- A Apuanite . . . . . (Fe<sup>3+</sup>, Fe<sup>2+</sup>, Zn)<sub>3</sub>(Sb, Fe<sup>3+</sup>, As)<sub>6</sub>O<sub>12</sub>S  
American Mineralogist 64 (1979), 1230
- A Arakiite . . . . . (Zn, Mn)(Mn<sup>2+</sup>, Mg)<sub>12</sub>(Fe, Al)<sub>2</sub>AsO<sub>3</sub>(AsO<sub>4</sub>)<sub>2</sub>(OH)<sub>23</sub>  
Mineralogical Record 31 (2000), 253
- A Aravaipaite . . . . . Pb<sub>3</sub>AlF<sub>9</sub> • H<sub>2</sub>O  
American Mineralogist 74 (1989), 927
- A Archerite . . . . . H<sub>2</sub>(K, NH<sub>4</sub>)PO<sub>4</sub>  
Mineralogical Magazine 41 (1977), 33
- A Arctite . . . . . Na<sub>5</sub>BaCa<sub>7</sub>(PO<sub>4</sub>)<sub>6</sub>F<sub>3</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 506
- A Arcubisite . . . . . Ag<sub>6</sub>CuBiS<sub>4</sub>  
Lithos 9 (1976), 253
- A Ardaite . . . . . (Pb, Fe)<sub>10</sub>Sb<sub>6</sub>S<sub>17</sub>Cl<sub>4</sub>  
Mineralogical Magazine 46 (1982), 357
- D Arduinite . . . . . (Ca, Na, K)(Si, Al)<sub>12</sub>O<sub>24</sub> • 7H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Arfvedsonite . . . . . (Na, □)<sub>3</sub>(Fe<sup>2+</sup>, Fe<sup>3+</sup>, Mg)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- D Arfwedsonite . . . . . Na<sub>3</sub>Fe<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Argentocuproaurite . . . . . (Cu, Ag)<sub>3</sub>Au  
Mineralogical Magazine 43 (1980), 1055
- R Argentojarosite . . . . . AgFe<sub>3</sub><sup>3+</sup>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
American Mineralogist 72 (1987), 178
- A Argentopentlandite . . . . . Ag(Fe, Ni)<sub>8</sub>S<sub>8</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 106 (1977), 688

- A Argentotennantite . . . . .  $(\text{Ag, Cu})_{10}(\text{Zn, Fe})_2(\text{As, Sb})_4\text{S}_{13}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 290 (1986), 167
- A Argutite . . . . .  $\text{GeO}_2$   
Tschermaks Mineralogische und Petrographische Mitteilungen 31 (1983), 97
- R Arhbarite . . . . .  $\text{Cu}_2\text{MgAsO}_4(\text{OH})_3$   
Mineralogical Magazine 67 (2003), 1099
- D Aricite . . . . .  $\text{CaAl}_2\text{Si}_2\text{O}_8 \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Aristarainite . . . . .  $\text{Na}_2\text{Mg}[\text{B}_6\text{O}_8(\text{OH})_4]_2 \cdot 4\text{H}_2\text{O}$   
American Mineralogist 59 (1974), 647
- D Arizonite . . . . .  $\text{Fe}_2\text{O}_3 \cdot 3\text{TiO}_2$   
Mineralogical Magazine 58 (1994), 597
- R Armalcolite . . . . .  $(\text{Mg, Fe}^{2+}, \text{Al})(\text{Ti}^{4+}, \text{Fe}^{3+})_2\text{O}_5$   
American Mineralogist 73 (1988), 1377
- A Armstrongite . . . . .  $\text{CaZrSi}_6\text{O}_{15} \cdot 2.5\text{H}_2\text{O}$   
Doklady Akademii Nauk, SSSR (USSR) 209 (1973), 1185
- D Arsenate-belovite . . . . .  $\text{Ca}_2\text{Mg}(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031
- A Arsenbrackebuschite . . . . .  $\text{Pb}_2(\text{Fe}^{3+}, \text{Zn})(\text{AsO}_4)_2(\text{OH}, \text{H}_2\text{O})$   
Neues Jahrbuch für Mineralogie, Monatshefte (1978), 193
- A Arsendescloizite . . . . .  $\text{PbZnAsO}_4(\text{OH})$   
Mineralogical Record 13 (1982), 155
- A Arseniopleite . . . . .  $(\text{Ca, Na})(\text{Na, Pb}^{2+})\text{Mn}^{2+}(\text{Mn}^{2+}, \text{Mg, Fe}^{2+})_2(\text{AsO}_4)_3$   
Mineralogical Magazine 36 (1967), 134
- D Arsenobismite . . . . .  $\text{Bi}_2\text{AsO}_4(\text{OH})_3$   
Neues Jahrbuch für Mineralogie, Monatshefte (1999), 322
- A Arsenocrandallite . . . . .  $(\text{Ca, Sr})\text{Al}_3(\text{AsO}_4)(\text{AsO}_3\text{OH})(\text{OH})_6$   
Schweizerische Mineralogische und Petrographische Mitteilungen 61 (1981), 23
- D Arsenodialytite . . . . .  $\text{Mn}_3\text{O}_4$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 97 (1974),  
520
- A Arsenoflorencite-(Ce) . . . . .  $(\text{Ce, La})\text{Al}_3(\text{AsO}_4)_2(\text{OH})_6$   
Mineralogical Magazine 51 (1987), 605
- A Arsenogorceixite . . . . .  $\text{BaAl}_3(\text{AsO}_3\text{OH})(\text{AsO}_4, \text{PO}_4)(\text{OH})_6$   
Aufschluss 44 (1993), 250
- A Arsenogoyazite . . . . .  $(\text{Sr, Ca, Ba})\text{Al}_3(\text{AsO}_4)(\text{AsO}_3\text{OH})(\text{OH})_6$   
Schweizerische Mineralogische und Petrographische Mitteilungen 64 (1984), 11
- A Arsenohauecornite . . . . .  $\text{Ni}_{18}\text{Bi}_3\text{AsS}_{16}$   
Mineralogical Magazine 43 (1980), 877
- R Arsenopalladinite . . . . .  $\text{Pd}_8(\text{As, Sb})_3$   
Mineralogical Magazine 39 (1974), 528
- A Arsenopyrite . . . . .  $\text{FeAsS}$   
Mineralogical Magazine 33 (1962), 263
- A Arsenopolybasite . . . . .  $(\text{Ag, Cu})_{16}(\text{As, Sb})_2\text{S}_{11}$   
Mineralogical Magazine 36 (1967), 131
- A Arthurite . . . . .  $\text{CuFe}_2^{3+}(\text{AsO}_4)_2(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1964), 937
- A Artroite . . . . .  $\text{PbAlF}_3(\text{OH})_2$   
American Mineralogist 80 (1995), 179
- A Artsmithite . . . . .  $\text{Hg}_4^{1+}\text{Al}(\text{PO}_4)_{1.74}(\text{OH})_{1.78}$   
Canadian Mineralogist 41 (2003), 721

- A Arupite . . . . .  $\text{Ni}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1990), 76
- A Asbecasite . . . . .  $\text{Ca}_3(\text{Be}, \text{B})_2(\text{Ti}, \text{Sn}, \text{Fe})(\text{As}, \text{Sb})_6\text{Si}_2\text{O}_{20}$   
Schweizerische Mineralogische und Petrographische Mitteilungen 46 (1966), 367
- D Asbeferrite . . . . .  $\text{Mg}, \text{Ca}, \text{Si}, \text{O}, \text{OH}$   
American Mineralogist 63 (1978), 1023
- D Asbestinite . . . . .  $\text{Mg}, \text{Ca}, \text{Si}, \text{O}, \text{OH}$   
American Mineralogist 63 (1978), 1023
- D Asbestoide . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{OH}$   
American Mineralogist 63 (1978), 1023
- D Asbestus . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
American Mineralogist 63 (1978), 1023
- A Aschamalmite . . . . .  $\text{Pb}_6\text{Bi}_2\text{S}_9$   
Neues Jahrbuch für Mineralogie, Monatshefte (1983), 433
- D Ascharite . . . . .  $\text{MgBO}_2\text{OH}$   
American Mineralogist 72 (1987), 1031
- D Ashanite . . . . .  $(\text{Nb}, \text{Ta}, \text{Fe}, \text{Mn}, \text{V})_4\text{O}_8$   
Acta Mineralogica Sinica (in Chinese) 18 (2) (1998), 230
- A Ashburtonite . . . . .  $\text{HCu}_4\text{Pb}_4\text{Si}_4\text{O}_{12}(\text{HCO}_3)_4(\text{OH})_4\text{Cl}$   
American Mineralogist 76 (1991), 1701
- A Ashcroftine-(Y) . . . . .  $\text{K}_5\text{Na}_5(\text{Y}, \text{Ca})_{12}\text{Si}_{28}\text{O}_{70}(\text{OH})_2(\text{CO}_3)_8 \cdot 8\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Ashoverite . . . . .  $\text{Zn}(\text{OH})_2$   
Mineralogical Magazine 52 (1988), 699
- D Ashtonite . . . . .  $(\text{Ca}, \text{Sr}, \text{Na}, \text{K})(\text{Si}, \text{Al})_{12}\text{O}_{24} \cdot 7\text{H}_2\text{O}$   
Mineralogical Magazine 38 (1971), 383
- A Asisite . . . . .  $\text{Pb}_7\text{SiO}_8\text{Cl}_2$   
American Mineralogist 73 (1988), 643
- R Aspidolite . . . . .  $\text{NaMg}_3(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Asselbornite . . . . .  $(\text{Pb}, \text{Ba})(\text{UO}_2)_6(\text{BiO})_4(\text{AsO}_4)_2(\text{OH})_{12} \cdot 3\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1983), 417
- D Asteroite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Astochite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Mn}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Astorite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Astrakhanite . . . . .  $\text{Na}_2\text{Mg}(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031
- A Astrocyanite-(Ce) . . . . .  $\text{Cu}_2(\text{Ce}, \text{Nd}, \text{La})_2(\text{UO}_2)(\text{CO}_3)_5(\text{OH})_2 \cdot 1.5\text{H}_2\text{O}$   
European Journal of Mineralogy 2 (1990), 407
- D Astrolite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
American Mineralogist 57 (1972), 993
- A Athabascaite . . . . .  $\text{Cu}_5\text{Se}_4$   
Canadian Mineralogist 10 (1970), 207
- A Atheneite . . . . .  $(\text{Pd}, \text{Hg})_3\text{As}$   
Mineralogical Magazine 39 (1974), 528
- A Atlasovite . . . . .  $\text{Cu}_6\text{Fe}^{3+}\text{Bi}^{3+}\text{O}_4(\text{SO}_4)_5 \cdot \text{KCl}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 116 (1987), 358
- A Atokite . . . . .  $(\text{Pd}, \text{Pt})_3\text{Sn}$   
Canadian Mineralogist 13 (1975), 146

- R Attakolite . . . . . (Ca, Sr)Mn<sup>2+</sup>(Al, Fe<sup>3+</sup>)<sub>4</sub>(HSiO<sub>4</sub>)(PO<sub>4</sub>)<sub>3</sub>(OH)<sub>4</sub>  
American Mineralogist 77 (1992), 1285
- A Aubertite . . . . . CuAl(SO<sub>4</sub>)<sub>2</sub>Cl•14H<sub>2</sub>O  
Bulletin de Minéralogie 102 (1978), 348
- A Augite . . . . . (Ca, Mg, Fe)<sub>2</sub>(Si, Al)<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- D Aurocuproite . . . . . (Cu, Pd)<sub>3</sub>Au  
Mineralogical Magazine 43 (1980), 1055
- A Aurorite . . . . . (Mn<sup>2+</sup>, Ag, Ca)Mn<sub>3</sub><sup>4+</sup>O<sub>7</sub>•3H<sub>2</sub>O  
Economic Geology 62 (1967), 186
- D Avalite . . . . . K, Cr, Al, Si, H<sub>2</sub>O, O  
Canadian Mineralogist 36 (1998), 905
- A Averievite . . . . . Cu<sub>5</sub>O<sub>2</sub>(VO<sub>4</sub>)<sub>2</sub>•n(Cu, Cs)Cl  
Mineralogical Magazine 61 (1997), 441
- A Azoproite . . . . . (Mg, Fe<sup>2+</sup>)<sub>2</sub>(Fe<sup>3+</sup>, Ti, Mg)O<sub>2</sub>BO<sub>3</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 99 (1970), 225
- D Azopyrrhite . . . . . Ca, Na, Nb, O (?)  
American Mineralogist 62 (1977), 403
- D Azorpyrrhite . . . . . Ca, Na, Nb, O  
American Mineralogist 62 (1977), 403
- D Bababudanite . . . . . Na<sub>2</sub>(Mg, Fe<sup>2+</sup>, Fe<sup>3+</sup>)(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Babefphite . . . . . BaBePO<sub>4</sub>F  
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 167 (1966), 93
- A Babkinite . . . . . Pb<sub>2</sub>Bi<sub>2</sub>(S, Se)<sub>3</sub>  
Doklady Akademiia Nauk (in Russian). 346 (1996), 656
- D Baddeckite . . . . . K, Fe, Al, Si, O  
Canadian Mineralogist 36 (1998), 905
- D Badenite . . . . . Bi, Co, Fe, As  
Mineralogical Magazine 47 (1983), 411
- A Baghdadite . . . . . Ca<sub>3</sub>ZrO<sub>2</sub>(Si<sub>2</sub>O<sub>7</sub>)  
Mineralogical Magazine 50 (1986), 119
- D Bagotite . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub>•6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Bahianite . . . . . Al<sub>5</sub>Sb<sub>3</sub><sup>5+</sup>O<sub>14</sub>(OH)<sub>2</sub>  
Mineralogical Magazine 42 (1978), 179
- D Baikalite . . . . . CaMg(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Baileychlore . . . . . (Zn, Fe<sup>2+</sup>, Al, Mg)<sub>6</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>8</sub>  
American Mineralogist 73 (1988), 135
- D Baiyuneboite-(Ce) . . . . . NaBaCe<sub>2</sub>(CO<sub>3</sub>)<sub>4</sub>F  
Neues Jahrbuch für Mineralogie, Monatshefte (2002), 255
- A Bakhchisaraitsevite . . . . . Na<sub>2</sub>Mg<sub>5</sub>(PO<sub>4</sub>)<sub>4</sub>•7H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (2000), 402
- A Baksanite . . . . . Bi<sub>6</sub>Te<sub>2</sub>S<sub>3</sub>  
Doklady Akademiia Nauk (in Russian). 347 (1996), 787
- A Balangeroite . . . . . (Mg, Fe<sup>2+</sup>)<sub>21</sub>Si<sub>8</sub>O<sub>27</sub>(OH)<sub>20</sub>  
American Mineralogist 68 (1983), 214
- D Balavinskite . . . . . Sr<sub>2</sub>B<sub>6</sub>O<sub>11</sub>•4H<sub>2</sub>O  
Mineralogical Magazine 38 (1971), 103
- A Balkanite . . . . . Ag<sub>5</sub>Cu<sub>9</sub>HgS<sub>8</sub>

- American Mineralogist 58 (1973), 11
- A Balyakinite . . . . .  $\text{Cu}^{2+}\text{Te}^{4+}\text{O}_3$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 253 (1980), 200
- A Bambollaite . . . . .  $\text{Cu}(\text{Se}, \text{Te})_2$   
Canadian Mineralogist 11 (1972), 738
- A Bamfordite . . . . .  $\text{Fe}^{3+}\text{Mo}_2\text{O}_6(\text{OH})_3 \cdot \text{H}_2\text{O}$   
American Mineralogist 83 (1998), 172
- A Bannermanite . . . . .  $(\text{Na}, \text{K})_{0.7}\text{V}_6\text{O}_{15}$   
American Mineralogist 68 (1983), 634
- A Bannisterite . . . . .  $(\text{Ca}, \text{K}, \text{Na})(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Mg}, \text{Zn})_{10}(\text{Si}, \text{Al})_{16}\text{O}_{38}(\text{OH})_8\text{nH}_2\text{O}$   
Mineralogical Magazine 36 (1968), 893
- A Baotite . . . . .  $\text{Ba}_4(\text{Ti}, \text{Nb}, \text{W})_8\text{O}_{16}(\text{SiO}_3)_4\text{Cl}$   
Mineralogical Magazine 33 (1962), 261
- A Baratovite . . . . .  $\text{KLi}_3\text{Ca}_7(\text{Ti}, \text{Zr})_2(\text{SiO}_3)_{12}\text{F}_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 580
- A Barberiite . . . . .  $\text{NH}_4\text{BF}_4$   
American Mineralogist 79 (1994), 381
- D Bárcenite . . . . .  $\text{Ca}, \text{Fe}, \text{Hg}, \text{Sb}, \text{O}, \text{S}$   
Canadian Mineralogist 24 (1986), 591
- D Bardolite . . . . .  $\text{K}, \text{Fe}, \text{Mg}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist 36 (1998), 905
- A Barentsite . . . . .  $\text{Na}_7\text{Al}(\text{CO}_3)_2(\text{HCO}_3)_2\text{F}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 474
- A Bariandite . . . . .  $\text{Al}0.6(\text{V}^{5+}, \text{V}^{4+})_8\text{O}_{20} \cdot 9\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 94 (1971),  
49
- A Barićite . . . . .  $(\text{Mg}, \text{Fe})_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$   
Canadian Mineralogist 14 (1976), 403
- A Bariomicrolite . . . . .  $(\text{Ba}, \square)_2(\text{Ta}, \text{Nb})_2(\text{O}, \text{OH})_7$   
Verhandelingen Koninklijk Nederlands Geologisch Mijnbouwkundig Genootschap  
22 (1963)
- A Bario-orthojoaquinite . . . . .  $(\text{Ba}, \text{Sr})_4\text{Fe}_2^{2+}\text{Ti}_2\text{O}_2(\text{SiO}_3)_8 \cdot \text{H}_2\text{O}$   
American Mineralogist 67 (1982), 809
- R Bariopyrochlore . . . . .  $(\text{Ba}, \text{Sr})_2(\text{Nb}, \text{Ti})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- A Bariosincosite . . . . .  $\text{BaVO}_2(\text{PO}_4)_2 \cdot 4\text{H}_2\text{O}$   
Mineralogical Magazine 63 (1999), 735
- D Barium-alumopharmacosiderite . . . . .  $\text{Ba}(\text{Al}, \text{Fe})_4(\text{AsO}_4)_3(\text{OH})_5 \cdot 5\text{H}_2\text{O}$   
Mineralogical Magazine 38 (1971), 103
- D Barium-heulandite . . . . .  $(\text{Na}, \text{Ba}, \text{Ca})_3(\text{Si}, \text{Al})_{18}\text{O}_{36} \cdot 12\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- R Barium-pharmacosiderite . . . . .  $\text{Ba}_{0.5}\text{Fe}_4^{3+}(\text{AsO}_4)_3(\text{OH})_4 \cdot 5\text{H}_2\text{O}$   
Aufschluss 45 (1994), 73
- D Barium phlogopite . . . . .  $(\text{K}, \text{Ba})\text{Mg}_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{F}, \text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Barkevicite . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Barkevite . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Barnesite . . . . .  $\text{Na}_2\text{V}_6^{5+}\text{O}_{16} \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 131

- A Barquillite . . . . .  $\text{Cu}_2\text{CdGeS}_4$   
European Journal of Mineralogy 11 (1999), 111
- A Barrerite . . . . .  $(\text{Na}, \text{K}, \text{Ca})_8(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 26\text{H}_2\text{O}$   
Mineralogical Magazine 40 (1975), 208
- A Barringerite . . . . .  $(\text{Fe}, \text{Ni})_2\text{P}$   
Science 165 (1969), 169
- R Barroisite . . . . .  $\square\text{NaCa}(\text{Mg}, \text{Fe}^{2+})_3(\text{Al}, \text{Fe}^{3+})_2(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Barsanovite . . . . .  $\text{Na}, \text{Ca}, \text{Fe}, \text{Mn}, \text{Zr}, \text{Si}, \text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 97 (1968), 451
- A Barstowite . . . . .  $\text{Pb}_4\text{CO}_3\text{Cl}_6 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 55 (1991), 121
- A Bartelkeite . . . . .  $\text{PbFe}^{2+}\text{Ge}_3\text{O}_8$   
Chemie der Erde 40 (1981), 201
- A Bartonite . . . . .  $\text{K}_6\text{Fe}_{20}\text{S}_{26}(\text{Cl}, \text{S})$   
American Mineralogist 66 (1981), 369
- D Barytbiotite . . . . .  $(\text{K}, \text{Ba})\text{Mg}_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Baryte . . . . .  $\text{BaSO}_4$   
Mineralogical Magazine 38 (1971), 104
- D Barytkreuzstein . . . . .  $(\text{Ba}, \text{K})(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Barytolamprophyllite . . . . .  $\text{Na}_3\text{Ba}_2(\text{Ti}, \text{Fe}^{3+})_2\text{O}_2(\text{Si}_2\text{O}_7)_2(\text{O}, \text{OH}, \text{F})_2$   
Mineralogical Magazine 36 (1968), 1143
- D Basaltic hornblende . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{O}, \text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Basaltine . . . . .  $\text{Ca}, \text{Mg}, \text{Fe}, \text{Si}, \text{Al}, \text{O}, \text{OH}$   
American Mineralogist 63 (1978), 1023
- D Basilliite . . . . .  $\text{Mn}, \text{O}$   
Geologiska Föreningens i Stockholm Förhandlingar 94 (1972), 423
- D Basonite . . . . .  $\text{K}, \text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist 36 (1998), 905
- D Bastite . . . . .  $\text{Mg}, \text{Si}, \text{O}$   
Mineralogical Magazine 52 (1988), 535
- A Bastnäsite-(Ce) . . . . .  $(\text{Ce}, \text{La})\text{CO}_3\text{F}$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Bastnäsite-(La) . . . . .  $(\text{La}, \text{Ce})\text{CO}_3(\text{F}, \text{OH})$   
American Mineralogist 51 (1966), 152
- A Bastnäsite-(Y) . . . . .  $(\text{Y}, \text{Ce})\text{CO}_3\text{F}$   
American Mineralogist 72 (1987), 1031 (Appendix Table 2)
- D Bastonite . . . . .  $\text{K}, \text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O}$   
Canadian Mineralogist 36 (1998), 905
- A Batiferrite . . . . .  $\text{BaTi}_2\text{Fe}_{10}\text{O}_{19}$   
Mineralogy and Petrology 71 (2001), 1
- A Batisite . . . . .  $(\text{Na}, \text{K})_2\text{BaTi}_2(\text{Si}_2\text{O}_7)_2$   
Mineralogical Magazine 33 (1962), 261
- A Baumhauerite-2a . . . . .  $(\text{Pb}, \text{Ag})_{11.8}(\text{As}, \text{Sb})_{17.6}\text{S}_{36}$   
American Mineralogist 75 (1990), 915
- D Baumite . . . . .  $(\text{Mg}, \text{Mn}, \text{Fe}, \text{Zn})_3(\text{Si}, \text{Al})_2\text{O}_5(\text{OH})_4$   
American Mineralogist 75 (1990), 705
- A Baumstarkite . . . . .  $\text{Ag}_3\text{Sb}_2(\text{Bi}, \text{Sb})\text{S}_6$   
American Mineralogist 87 (2002), 753

- A Bauranoite . . . . . BaU<sub>2</sub>O<sub>7</sub>•4-5H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **102 (1973), 75**
- A Bavenite . . . . . Ca<sub>4</sub>(Al, Be)<sub>4</sub>Si<sub>9</sub>O<sub>26</sub>(OH)<sub>2</sub>  
Mineralogical Magazine **33 (1962), 262**
- A Baylissite . . . . . K<sub>2</sub>Mg(CO<sub>3</sub>)<sub>2</sub>•4H<sub>2</sub>O  
Schweizerische Mineralogische und Petrographische Mitteilungen **56 (1976), 187**
- A Bazhenovite . . . . . Ca<sub>8</sub>S<sub>5</sub>(S<sub>2</sub>O<sub>3</sub>)(OH)<sub>12</sub>•20H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **116 (1987), 737**
- A Bazirite . . . . . BaZrSi<sub>3</sub>O<sub>9</sub>  
Mineralogical Magazine **42 (1978), 35**
- A Bearsite . . . . . Be<sub>2</sub>AsO<sub>4</sub>(OH)•4H<sub>2</sub>O  
Mineralogical Magazine **36 (1967), 131**
- A Bearthite . . . . . (Ca, Sr)<sub>2</sub>Al(PO<sub>4</sub>)<sub>2</sub>OH  
Schweizerische Mineralogische und Petrographische Mitteilungen **73 (1993), 1**
- D Beaumontite . . . . . (Na, Ca)<sub>3</sub>(Si, Al)<sub>18</sub>O<sub>36</sub>•12H<sub>2</sub>O  
Canadian Mineralogist **35 (1997), 1571**
- R Beaverite . . . . . Pb(Fe<sup>3+</sup>, Cu, Al)<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
American Mineralogist **72 (1987), 178**
- A Bechererite . . . . . (Zn, Cu)<sub>6</sub>Zn<sub>2</sub>(OH)<sub>13</sub>[(S, Si)(O, OH)<sub>4</sub>]<sub>2</sub>  
American Mineralogist **81 (1996), 244**
- D Bedenite . . . . . Ca<sub>2</sub>(Fe, Mg, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist **63 (1978), 1023**
- A Bederite . . . . . Ca<sub>2</sub>Mn<sub>4</sub><sup>2+</sup>Fe<sub>2</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>6</sub>•2H<sub>2</sub>O  
American Mineralogist **84 (1999), 1674**
- A Behierite . . . . . (Ta, Nb)BO<sub>4</sub>  
Mineralogical Magazine **36 (1967), 131**
- A Behoite . . . . . Be(OH)<sub>2</sub>  
American Mineralogist **55 (1970), 1**
- A Belendorffite . . . . . Cu<sub>7</sub>Hg<sub>6</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1992), **21**
- A Belkovite . . . . . Ba<sub>3</sub>(Nb, Ti)<sub>6</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>2</sub>O<sub>12</sub>  
Doklady Akademii Nauk, SSSR (USSR) **315 (1990), 1218**
- A Bellbergite . . . . . (K, Ba, Sr)<sub>2</sub>Sr<sub>2</sub>Ca<sub>2</sub>(Ca, Na)<sub>4</sub>(Si, Al)<sub>36</sub>O<sub>72</sub>•30H<sub>2</sub>O  
Mineralogy and Petrology **48 (1993), 147**
- A Bellidoite . . . . . Cu<sub>2</sub>Se  
Economic Geology **70 (1975), 384**
- A Belloite . . . . . Cu(OH)Cl  
Neues Jahrbuch für Mineralogie, Monatshefte (2000), **67**
- A Belovite-(La) . . . . . NaSr<sub>3</sub>(La, Ce)(PO<sub>4</sub>)<sub>3</sub>(F, OH)  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **125 (1996) (3), 101**
- D Belovite (of Nefedov) . . . . . Ca<sub>2</sub>Mg(AsO<sub>4</sub>)<sub>2</sub>•2H<sub>2</sub>O  
American Mineralogist **72 (1987), 1031**
- R Bementite . . . . . (Mn, Fe, Mg, Zn)<sub>7</sub>Si<sub>6</sub>O<sub>15</sub>(OH)<sub>8</sub>  
American Mineralogist **56 (1971), 446**
- R Benauite . . . . . SrFe<sub>3</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>2</sub>(OH, H<sub>2</sub>O)<sub>6</sub>  
Canadian Mineralogist **37 (1999), 1323**
- A Benavidesite . . . . . Pb<sub>4</sub>(Mn, Fe)Sb<sub>6</sub>S<sub>14</sub>  
Bulletin de Minéralogie **105 (1982), 166**
- R Benjaminite . . . . . Ag<sub>2.3</sub>Cu<sub>0.5</sub>Pb<sub>0.4</sub>Bi<sub>6.8</sub>S<sub>12</sub>  
Canadian Mineralogist **17 (1979), 607**
- A Benleonardite . . . . . Ag<sub>8</sub>(Sb, As)Te<sub>2</sub>S<sub>3</sub>  
Mineralogical Magazine **50 (1986), 681**

- A Benstonite . . . . . (Ba, Sr)<sub>6</sub>(Ca, Mn)<sub>6</sub>Mg(CO<sub>3</sub>)<sub>13</sub>  
 Mineralogical Magazine 36 (1967), 131
- A Bentorite . . . . . Ca<sub>6</sub>(Cr, Al)<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>(OH)<sub>12</sub>•26H<sub>2</sub>O  
 Israel Journal of Earth-Sciences 29 (1980), 81
- A Benyacarite . . . . . (K, Na)TiMn<sub>2</sub><sup>2+</sup>Fe<sub>2</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>4</sub>(O, F)<sub>2</sub>•15H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 707
- A Berborite . . . . . Be<sub>2</sub>BO<sub>3</sub>(OH, F)•H<sub>2</sub>O  
 Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
 Sections 174 (1967), 114
- A Berdesinskiite . . . . . V<sub>2</sub><sup>3+</sup>TiO<sub>5</sub>  
 Zeitschrift der Deutschen Gemmologischen Gesellschaft (Idar-Oberstein) 30  
 (1981), 143
- A Berezanskite . . . . . KLi<sub>3</sub>Ti<sub>2</sub>Si<sub>12</sub>O<sub>30</sub>  
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 126 (1997) (4), 75
- D Bergflachs . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- D Bergfleisch . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- D Berghaar . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- D Berghaut . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- D Bergholz . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- D Bergkork . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- D Bergmannite . . . . . Na<sub>2</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>10</sub>•2H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Bergmaschite . . . . . NaCa<sub>2</sub>(Fe, Mg)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- D Bergmaskite . . . . . NaCa<sub>2</sub>(Fe, Mg)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- D Bergpapier . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- A Bergslagite . . . . . CaBeAsO<sub>4</sub>(OH)  
 Neues Jahrbuch für Mineralogie, Monatshefte (1984), 257
- D Bergwolle . . . . . Ca, Mg, Si, O, OH  
 American Mineralogist 63 (1978), 1023
- A Bernalite . . . . . Fe(OH)<sub>3</sub>•nH<sub>2</sub>O  
 Naturwissenschaften 79 (1992), 509
- A Bernardite . . . . . TlAs<sub>5</sub>S<sub>8</sub>  
 Mineralogical Magazine 53 (1989), 531
- R Berndtite-2T . . . . . SnS<sub>2</sub>  
 Mineralogical Magazine 54 (1990), 137
- R Berndtite-4H . . . . . SnS<sub>2</sub>  
 Mineralogical Magazine 54 (1990), 137
- A Berryite . . . . . (Ag, Cu)<sub>3</sub>Pb<sub>2</sub>Bi<sub>5</sub>S<sub>11</sub>  
 Canadian Mineralogist 8 (1966), 407
- A Bertossaite . . . . . (Li, Na)<sub>2</sub>CaAl<sub>4</sub>(PO<sub>4</sub>)<sub>4</sub>(OH, F)<sub>4</sub>  
 Canadian Mineralogist 8 (1966), 668
- D Beryllium sodalite . . . . . Na<sub>4</sub>AlBeSi<sub>4</sub>O<sub>12</sub>Cl  
 American Mineralogist 50 (1965), 1141



- D Beryllsodalite . . . . .  $\text{Na}_4\text{AlBeSi}_4\text{O}_{12}\text{Cl}$   
 American Mineralogist 50 (1965), 1141
- A Berzeliite . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Mn})_2(\text{AsO}_4)_3$   
 Mineralogical Magazine 43 (1980), 1054
- R Betafite . . . . .  $(\text{Ca}, \text{U}, \square)_2(\text{Ti}, \text{Nb}, \text{Ta})_2(\text{O}, \text{OH})_7$   
 Canadian Mineralogist 6 (1961), 610
- A Betpakdalite . . . . .  $\text{MgCa}_2\text{Fe}_3^{3+}\text{Mo}_8(\text{AsO}_4)_2\text{O}_{28}(\text{OH}) \cdot 23\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 131
- R Beudantite . . . . .  $\text{PbFe}_3^{3+}(\text{AsO}_4, \text{SO}_4)_2(\text{OH})_6$   
 American Mineralogist 72 (1987), 178
- A Beusite . . . . .  $(\text{Mn}, \text{Ca})(\text{Fe}, \text{Mn})_2(\text{PO}_4)_2$   
 American Mineralogist 53 (1968), 1799
- A Bezsmertnovite . . . . .  $(\text{Au}, \text{Ag})_4\text{Cu}(\text{Te}, \text{Pb})$   
 Doklady Akademiia Nauk, SSSR (USSR) 249 (1979), 185
- D Bialite . . . . .  $\text{Al}_3(\text{PO}_4)_2(\text{OH}, \text{F})_3 \cdot 5\text{H}_2\text{O}$   
 Mineralogical Magazine 37 (1969), 123
- D Bi axial mica . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Bicchulite . . . . .  $\text{Ca}_2\text{Al}_2\text{SiO}_6(\text{OH})_2$   
 Mineralogical Journal (Tokyo) 7 (1973), 243
- D Bidalotite . . . . .  $(\text{Mg}, \text{Fe}, \text{Al})\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- A Bideauxite . . . . .  $\text{AgPb}_2(\text{F}, \text{OH})_2\text{Cl}_3$   
 Mineralogical Magazine 37 (1970), 637
- A Biehlite . . . . .  $(\text{Sb}^{3+}, \text{As}^{3+})_2\text{MoO}_6$   
 Neues Jahrbuch für Mineralogie, Monatshefte (2000), 234
- A Bigcreekite . . . . .  $\text{BaSi}_2\text{O}_5 \cdot 4\text{H}_2\text{O}$   
 Canadian Mineralogist 39 (2001), 761
- A Bijvoetite-(Y) . . . . .  $(\text{Y}, \text{Dy})_8(\text{UO}_2)_{16}\text{O}_8(\text{CO}_3)_{16}(\text{OH})_8 \cdot 39\text{H}_2\text{O}$   
 Canadian Mineralogist 20 (1982), 231
- A Bikitaite . . . . .  $\text{LiAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- D Bildstein . . . . .  $\text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O} (?)$   
 Canadian Mineralogist 36 (1998), 905
- A Bilibinskite . . . . .  $\text{Au}_3\text{Cu}_2\text{Pb} \cdot n\text{TeO}_2$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 107 (1978), 310
- A Billingsleyite . . . . .  $\text{Ag}_7(\text{As}, \text{Sb})\text{S}_6$   
 American Mineralogist 53 (1968), 1791
- g Biotite-1M . . . . .  $\text{K}(\text{Mg}, \text{Fe}^{2+})_3(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH}, \text{F})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Biringuccite . . . . .  $\text{Na}_2\text{B}_5\text{O}_8(\text{OH}) \cdot \text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 131
- D Bisbeeite . . . . .  $(\text{Cu}, \text{Al})_2\text{H}_2\text{Si}_2\text{O}_5(\text{OH})_4 \cdot n\text{H}_2\text{O}$   
 Mineralogical Magazine 43 (1980), 1054
- A Bismutocolumbite . . . . .  $\text{Bi}(\text{Nb}, \text{Ta})\text{O}_4$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshcheststva 121 (1992) (3), 130
- A Bismutohauchecornite . . . . .  $\text{Ni}_9\text{Bi}_2\text{S}_8$   
 Mineralogical Magazine 43 (1980), 873
- A Bismutomicrolite . . . . .  $(\text{Bi}, \text{Ca}, \square)_2(\text{Ta}, \text{Nb})_2(\text{O}, \text{OH})_7$   
 American Mineralogist 62 (1977), 403
- A Bismutopyrochlore . . . . .  $(\text{Bi}, \text{U}, \text{Ca}, \text{Pb})_{1+x}(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}) \cdot n\text{H}_2\text{O}$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshcheststva 128 (1999) (4), 36

- A Bismutostibiconite . . . . .  $(\text{Bi}_3, \text{Fe}^{3+}, \square)_2\text{Sb}_2^{5+}\text{O}_7$   
*Chemie der Erde* 42 (1983), 77
- D Biteplapalladite . . . . .  $(\text{Pd}, \text{Pt})(\text{Te}, \text{Bi})_2$   
*American Mineralogist* 72 (1987), 1031
- D Biteplatinit . . . . .  $(\text{Pt}, \text{Pd})(\text{Te}, \text{Bi})_2$   
*American Mineralogist* 72 (1987), 1031
- A Bityite . . . . .  $\text{Ca}(\text{Li}, \square)\text{Al}_2(\text{Si}, \text{Al}, \text{Be})_4\text{O}_{10}(\text{OH})_2$   
*Canadian Mineralogist* 36 (1998), 905
- A Bjarebyite . . . . .  $(\text{Ba}, \text{Sr})(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Mg})_2\text{Al}_2(\text{PO}_4)_3(\text{OH})_3$   
*Mineralogical Record* 4 (1973), 282
- D Blanchardite . . . . .  $\text{Cu}_4\text{SO}_4(\text{OH})_6$   
*Mineralogical Record* 3 (1972), 229
- D Blanfordite . . . . .  $(\text{Na}, \text{Ca})(\text{Fe}, \text{Mg}, \text{Al})\text{Si}_2\text{O}_6$   
*Mineralogical Magazine* 52 (1988), 535
- A Blatonite . . . . .  $\text{UO}_2\text{CO}_3 \cdot \text{H}_2\text{O}$   
*Canadian Mineralogist* 36 (1998), 1077
- A Blatterite . . . . .  $\text{Sb}_3^{5+}(\text{Mn}^{3+}, \text{Fe}^{3+})_9(\text{Mn}, \text{Mg})_{35}(\text{BO}_3)_{16}\text{O}_{32}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (1988), 121
- D Blätterzeolith . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
*Canadian Mineralogist* 35 (1997), 1571
- A Bleasdaleite . . . . .  $(\text{Ca}, \text{Fe}^{2+})_2\text{Cu}_5(\text{Bi}, \text{Cu})(\text{PO}_4)_4(\text{H}_2\text{O}, \text{OH}, \text{Cl})_{13}$   
*Australian Journal of Mineralogy* 5 (1999), 69
- D Blende . . . . .  $\text{ZnS}$   
*Mineralogical Magazine* 33 (1962), 263
- A Blixite . . . . .  $\text{Pb}_2\text{Cl}(\text{O}, \text{OH})_2$   
*Mineralogical Magazine* 33 (1962), 260
- A Blödite . . . . .  $\text{Na}_2\text{Mg}(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$   
*Mineralogical Magazine* 46 (1982), 513
- D Bloedite . . . . .  $\text{Na}_2\text{Mg}(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$   
*Mineralogical Magazine* 33 (1962), 263
- D Blomstrandite . . . . .  $\text{U}, \text{Nb}, \text{Ti}, \text{O} (?)$   
*American Mineralogist* 62 (1977), 403
- A Blossite . . . . .  $\text{Cu}_2\text{V}_2^{5+}\text{O}_7$   
*American Mineralogist* 72 (1987), 397
- A Bobfergusonite . . . . .  $\text{Na}_2\text{Mn}_5^{2+}\text{Fe}^{3+}\text{Al}(\text{PO}_4)_6$   
*Canadian Mineralogist* 24 (1986), 599
- A Bobjonesite . . . . .  $\text{VO}\text{SO}_4 \cdot 3\text{H}_2\text{O}$   
*Canadian Mineralogist* 41 (2003), 83
- A Bobkingite . . . . .  $\text{Cu}_5\text{Cl}_2(\text{OH})_8 \cdot 2\text{H}_2\text{O}$   
*Mineralogical Magazine* 66 (2002), 301
- A Bobtraillite . . . . .  $\text{Na}_{15}\text{Sr}_{12}\text{Zr}_{14}\text{Si}_{42}\text{B}_6\text{O}_{138}(\text{OH})_6 \cdot 12\text{H}_2\text{O}$   
*Canadian Mineralogist Special Publication* 6 (2003), 28
- A Bogdanovite . . . . .  $(\text{Au}, \text{Te}, \text{Pb})_3(\text{Cu}, \text{Fe})$   
*Vestnik Moskovskogo Universiteta, Geologiya ser. ser.* 4, 34 (1979) (1), 44
- A Boggsite . . . . .  $\text{Na}_3\text{Ca}_8(\text{Si}_{77}\text{Al}_{19})\text{O}_{192} \cdot 70\text{H}_2\text{O}$   
*American Mineralogist* 75 (1990), 1200
- A Bøgvadite . . . . .  $\text{Na}_2\text{Ba}_2\text{SrAl}_4\text{F}_{20}$   
*Bulletin of the Geological Society of Denmark* 37 (1988), 21
- R Bohdanowiczite . . . . .  $\text{AgBiSe}_2$   
*Mineralogical Magazine* 43 (1979), 131
- A Bokite . . . . .  $(\text{Al}, \text{Fe}, \text{K})_{1.3}(\text{V}^{5+}, \text{V}^{4+}, \text{Fe}^{3+})_8\text{O}_{20} \cdot 7.5\text{H}_2\text{O}$   
*Mineralogical Magazine* 36 (1967), 131

- D Boleslavite . . . . . PbS  
Mineralogical Magazine 36 (1967), 133
- A Bonaccordite . . . . .  $\text{Ni}_2\text{Fe}^{3+}\text{O}_2(\text{BO}_3)$   
Transactions of the Geological Society of South Africa 77 (1974), 375
- A Bonshtedtite . . . . .  $\text{Na}_3(\text{Fe}^{2+}, \text{Mg}, \text{Mn})(\text{PO}_4)(\text{CO}_3)$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 486
- D Boodtite . . . . .  $\text{CoO}(\text{OH})$   
Mineralogical Magazine 33 (1962), 253
- A Boralsilite . . . . .  $\text{Al}_{16}\text{B}_6\text{O}_{30}(\text{Si}_2\text{O}_7)$   
American Mineralogist 83 (1998), 638
- A Borcarite . . . . .  $\text{Ca}_4\text{MgB}_4\text{O}_6(\text{CO}_3)_2(\text{OH})_6$   
Mineralogical Magazine 36 (1968), 1143
- D Borgniezite . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Bořickýite . . . . .  $(\text{Ca}, \text{Mg})(\text{Fe}, \text{Al})_4(\text{PO}_4)_2(\text{OH})_8 \cdot 4\text{-}5\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031
- A Borishanskiite . . . . .  $\text{Pd}(\text{As}, \text{Pb})_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 57
- A Bornemanite . . . . .  $\text{BaNa}_3(\text{Na}, \text{Ti}, \text{Mn})_4(\text{Ti}, \text{Nb})_2\text{O}_2\text{Si}_4\text{O}_{14}(\text{PO}_4)(\text{F}, \text{OH})_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 322
- A Bornite . . . . .  $\text{Cu}_5\text{FeS}_4$   
Mineralogical Magazine 33 (1962), 262
- A Borocookeite . . . . .  $\text{LiAl}_4(\text{Si}_3\text{B})\text{O}_{10}(\text{OH})_8$   
American Mineralogist 88 (2003), 830
- A Borodaevite . . . . .  $\text{Ag}_5(\text{Pb}, \text{Fe})\text{Bi}_7(\text{Sb}, \text{Bi})_2\text{S}_{17}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (4), 113
- A Boromuscovite . . . . .  $\text{KAl}_2(\text{Si}_3\text{B})\text{O}_{10}(\text{OH}, \text{F})_2$   
American Mineralogist 76 (1991), 1998
- A Borovskite . . . . .  $\text{Pd}_3\text{SbTe}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 427
- A Bostwickite . . . . .  $\text{CaMn}_6^{3+}\text{Si}_3\text{O}_{16} \cdot 7\text{H}_2\text{O}$   
Mineralogical Magazine 47 (1983), 387
- A Bottinoite . . . . .  $\text{Ni}^{2+}\text{Sb}_2^{5+}(\text{OH})_{12} \cdot 6\text{H}_2\text{O}$   
American Mineralogist 77 (1992), 1301
- A Bowieite . . . . .  $(\text{Rh}, \text{Ir}, \text{Pt})_2\text{S}_3$   
Canadian Mineralogist 22 (1984), 543
- D Bowleyite . . . . .  $\text{CaLiAl}_2(\text{Si}, \text{Al}, \text{Be})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Boyleite . . . . .  $\text{ZnSO}_4 \cdot 4\text{H}_2\text{O}$   
Chemie der Erde 37 (1978), 73
- A Brabantite . . . . .  $\text{CaTh}(\text{PO}_4)_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1980), 247
- A Bracewellite . . . . .  $\text{CrO}(\text{OH})$   
United States Geological Survey, Professional Paper 887 (1976)
- A Bradaczekite . . . . .  $\text{NaCu}_4(\text{AsO}_4)_3$   
Canadian Mineralogist 39 (2001), 1115
- A Braitschite-(Ce) . . . . .  $(\text{Ca}, \text{Na}_2)_6(\text{Ce}, \text{La}, \text{Ca})_2\text{B}_{24}(\text{OH})_6 \cdot 3\text{H}_2\text{O} (?)$   
American Mineralogist 53 (1968), 1081
- A Brandholzite . . . . .  $\text{MgSb}_2(\text{OH})_{12} \cdot 6\text{H}_2\text{O}$   
American Mineralogist 85 (2000), 593
- D Brandisite . . . . .  $\text{Ca}(\text{Mg}, \text{Al})_3(\text{Al}, \text{Si})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905

- A Brannerite . . . . . (U, Ca, Y, Ce)(Ti, Fe)<sub>2</sub>O<sub>6</sub>  
 Mineralogical Magazine 36 (1967), 133
- A Brannockite . . . . . KLi<sub>3</sub>Sn<sub>2</sub>Si<sub>12</sub>O<sub>30</sub>  
 Mineralogical Record 4 (1973), 73
- A Brassite . . . . . Mg(AsO<sub>3</sub>OH)•4H<sub>2</sub>O  
 Bulletin de la Société Française de Minéralogie et de Cristallographie 96 (1973),  
 365
- D Bravaisite . . . . . K, Mg, Al, Si, H<sub>2</sub>O, O (?)  
 Canadian Mineralogist 36 (1998), 905
- D Bravoite . . . . . (Fe, Ni)S<sub>2</sub>  
 American Mineralogist 74 (1989), 1168
- D Breadalbanite . . . . . Ca<sub>2</sub>(Mg, Fe, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- A Brendelite . . . . . (Bi, Pb)<sub>2</sub>(Fe<sup>3+</sup>, Fe<sup>2+</sup>)O<sub>2</sub>(OH)PO<sub>4</sub>  
 Mineralogy and Petrology 63 (1998), 263
- A Brenkite . . . . . Ca<sub>2</sub>(CO<sub>3</sub>)F<sub>2</sub>  
 Neues Jahrbuch für Mineralogie, Monatshefte (1978), 325
- D Brevicite . . . . . Na<sub>2</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>10</sub>•2H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Brewsterite-Ba . . . . . (Ba, Sr, Ca)(Al<sub>2</sub>Si<sub>6</sub>)O<sub>16</sub>•5H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- R Brewsterite-Sr . . . . . (Sr, Ba, Ca)(Si<sub>6</sub>Al<sub>2</sub>)O<sub>16</sub>•5H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Brezinaite . . . . . Cr<sub>3</sub>S<sub>4</sub>  
 American Mineralogist 54 (1969), 1509
- A Brianite . . . . . Na<sub>2</sub>CaMg(PO<sub>4</sub>)<sub>2</sub>  
 Geochimica et Cosmochimica Acta 31 (1967), 1711
- A Brianroulstonite . . . . . Ca<sub>3</sub>B<sub>5</sub>O<sub>6</sub>(OH)<sub>7</sub>Cl<sub>2</sub>•8H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 751
- A Brianyoungite . . . . . Zn<sub>3</sub>(CO<sub>3</sub>, SO<sub>4</sub>)(OH)<sub>4</sub>  
 Mineralogical Magazine 57 (1993), 665
- A Briartite . . . . . Cu<sub>2</sub>(Fe, Zn)GeS<sub>4</sub>  
 Bulletin de la Société Française de Minéralogie et de Cristallographie 88 (1965),  
 432
- A Brindleyite . . . . . (Ni, Al)<sub>3</sub>(Si, Al)<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub>  
 American Mineralogist 63 (1978), 484
- A Brinrobertsite . . . . . (Na, K, Ca)<sub>0.3</sub>(Al, Fe, Mg)<sub>4</sub>(Si, Al)<sub>8</sub>O<sub>20</sub>(OH)<sub>4</sub>•3.5H<sub>2</sub>O  
 Mineralogical Magazine 66 (2002), 605
- A Britholite-(Ce) . . . . . (Ce, Ca, Sr)<sub>2</sub>(Ce, Ca)<sub>3</sub>(SiO<sub>4</sub>, PO<sub>4</sub>)<sub>3</sub>(O, OH, F)  
 American Mineralogist 72 (1987), 1031
- R Britholite-(Y) . . . . . (Ca, Ce)<sub>2</sub>Y<sub>3</sub>(SiO<sub>4</sub>, PO<sub>4</sub>)<sub>3</sub>(O, OH, F)  
 American Mineralogist 51 (1966), 152
- A Brizziite . . . . . NaSbO<sub>3</sub>  
 European Journal of Mineralogy 6 (1994), 667
- D β-Brocenite . . . . . (Ce, La, Nd)NbO<sub>4</sub>  
 Mineralogical Magazine 43 (1980), 1055
- A Brochantite . . . . . Cu<sub>4</sub>SO<sub>4</sub>(OH)<sub>6</sub>  
 Mineralogical Magazine 43 (1980), 1054
- A Brockite . . . . . (Ca, Th, Ce)PO<sub>4</sub>•H<sub>2</sub>O  
 Mineralogical Magazine 36 (1967), 131
- A Brodtkorbite . . . . . Cu<sub>2</sub>HgSe<sub>2</sub>  
 Canadian Mineralogist 40 (2002), 225

- A Bromargyrite . . . . . AgBr  
Mineralogical Magazine 33 (1962), 263
- D Bromyrite . . . . . AgBr  
Mineralogical Magazine 43 (1980), 1053
- D Bronzite (of Finch) . . . . .  $\text{Ca}(\text{Mg}, \text{Al})_3(\text{Al}, \text{Si})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Bronzite (of Karsten) . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Brostenite . . . . .  $\text{Na}, \text{Mn}, \text{O}, \text{H}_2\text{O}$   
Comptes Rendus, Académie des Sciences (Paris) ser. D, 277 (1973), 2113
- A Brownmillerite . . . . .  $\text{Ca}_2(\text{Al}, \text{Fe}^{3+})_2\text{O}_5$   
Neues Jahrbuch für Mineralogie, Monatshefte (1964), 22
- A Brüggerite . . . . .  $\text{Ca}(\text{IO}_3)_2 \cdot \text{H}_2\text{O}$   
American Mineralogist 57 (1972), 1911
- A Brunogeierite . . . . .  $(\text{Ge}^{2+}, \text{Fe}^{2+})\text{Fe}_2^{3+}\text{O}_4$   
Neues Jahrbuch für Mineralogie, Monatshefte (1972), 263
- A Buchwaldite . . . . .  $\text{NaCaPO}_4$   
American Mineralogist 62 (1977), 362
- A Buckhornite . . . . .  $\text{AuPb}_2\text{BiTe}_2\text{S}_3$   
Canadian Mineralogist 30 (1992), 1039
- A Buddingtonite . . . . .  $(\text{NH}_4)(\text{Si}_3\text{Al})\text{O}_8$   
American Mineralogist 49 (1964), 831
- A Buergerite . . . . .  $\text{NaFe}_3^{3+}\text{Al}_6(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{O}, \text{OH}, \text{F})_4$   
American Mineralogist 51 (1966), 198
- A Bukovite . . . . .  $(\text{Cu}, \text{Fe})_4\text{Tl}_2\text{Se}_4$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 94 (1971), 529
- A Bukovskýite . . . . .  $\text{Fe}_2^{3+}(\text{AsO}_4)(\text{SO}_4)(\text{OH}) \cdot 7\text{H}_2\text{O}$   
Acta Universitatis Carolinae, Geologica (1967), no. 4, 297
- A Bulachite . . . . .  $\text{Al}_2\text{AsO}_4(\text{OH})_3 \cdot 3\text{H}_2\text{O}$   
Aufschluss 34 (1983), 445
- D Buldymite . . . . .  $\text{K}, \text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 36 (1998), 905
- A Burangaite . . . . .  $\text{Na}(\text{Fe}^{2+}, \text{Mg})\text{Al}_5(\text{PO}_4)_4(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
Geological Society of Finland, Bulletin 49 (1977), 33
- A Burckhardtite . . . . .  $\text{Pb}_2(\text{Fe}^{3+}, \text{Mn}^{3+})\text{Te}^{4+}(\text{Si}_3\text{Al})\text{O}_{12}(\text{OH})_2 \cdot \text{H}_2\text{O}$   
American Mineralogist 64 (1979), 355
- A Burnsite . . . . .  $\text{KCdCu}_7\text{O}_2(\text{SeO}_3)_2\text{Cl}_9$   
Canadian Mineralogist 40 (2002), 1171
- A Burpalite . . . . .  $\text{Na}_2\text{CaZrSi}_2\text{O}_7\text{F}_2$   
European Journal of Mineralogy 2 (1990), 177
- A Burtite . . . . .  $\text{CaSn}^{4+}(\text{OH})_6$   
Canadian Mineralogist 19 (1981), 397
- A Buryatite . . . . .  $\text{Ca}_3(\text{Si}, \text{Fe}^{3+}, \text{Al})\text{SO}_4\text{B}(\text{OH})_4(\text{OH}, \text{O})_6 \cdot 12\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 130 (2001) (2), 72
- D Buryktalskite . . . . .  $\text{Mn}, \text{O}$   
Mineralogical Magazine 33 (1962), 261
- A Bushmakinite . . . . .  $\text{Pb}_2(\text{Al}, \text{Cu})(\text{PO}_4)(\text{V}, \text{Cr}, \text{P})\text{O}_4(\text{OH})$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 131 (2002) (2), 62
- A Bussenite . . . . .  $\text{Na}_2\text{Ba}_2\text{Fe}^{2+}\text{TiSi}_2\text{O}_7(\text{CO}_3)(\text{OH})_3\text{F}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 130 (2001) (3), 50
- A Byelorussite-(Ce) . . . . .  $\text{NaBa}_2\text{Ce}_2\text{Mn}^{2+}\text{Ti}_2\text{Si}_8\text{O}_{26}(\text{F}, \text{OH}) \cdot \text{H}_2\text{O}$

- Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 118 (5) (1989), 100
- D Byssolite . . . . . Mg, Si, O, H<sub>2</sub>O  
American Mineralogist 63 (1978), 1023
- A Bystrite . . . . . (Na, K, Ca)<sub>8</sub>(Si<sub>6</sub>Al<sub>6</sub>)O<sub>24</sub>S<sub>1.5</sub>•H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 120 (3) (1991), 97
- A Cabalarite . . . . . Ca(Mg, Al, Fe<sup>2+</sup>)<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>(H<sub>2</sub>O, OH)<sub>2</sub>  
American Mineralogist 85 (2000), 1307
- D Cabasite . . . . . (Ca, K, Na)(Si, Al)<sub>3</sub>O<sub>6</sub>•3H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Cabriite . . . . . Pd<sub>2</sub>CuSn  
Canadian Mineralogist 21 (1983), 481
- D Cacoclasite . . . . . Ca, Al, Si, O  
Canadian Mineralogist 8 (1966), 527
- A Cadmium . . . . . Cd  
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 248 (1979), 182
- D Caesium-biotite . . . . . (K, Cs)(Mg, Fe)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Cafarsite . . . . . Ca<sub>5.9</sub>Mn<sub>1.7</sub>Fe<sub>3</sub>Ti<sub>3</sub>(AsO<sub>3</sub>)<sub>12</sub>•4-5H<sub>2</sub>O  
Schweizerische Mineralogische und Petrographische Mitteilungen 46 (1966), 367
- A Cafetite . . . . . CaTi<sub>2</sub>O<sub>5</sub>•H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 261
- D Calafatite . . . . . KAl<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
American Mineralogist 48 (1963), 1184
- D Calamine . . . . . Zn<sub>4</sub>Si<sub>2</sub>O<sub>7</sub>(OH)<sub>2</sub>•H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 263
- D Calamite . . . . . Ca<sub>2</sub>Mg<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Calc-clinobronzite . . . . . (Mg, Fe, Ca)SiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- D Calc-clinoenstatite . . . . . (Mg, Fe, Ca)SiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- D Calc-clinohypersthene . . . . . (Mg, Fe, Ca)SiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- A Calcioancylite-(Ce) . . . . . (Ce, Ca, Sr)CO<sub>3</sub>(OH, H<sub>2</sub>O)  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Calcioancylite-(Nd) . . . . . (Nd, Ce)<sub>2.8</sub>Ca<sub>1.2</sub>(CO<sub>3</sub>)<sub>4</sub>(OH)<sub>3</sub>•H<sub>2</sub>O  
European Journal of Mineralogy 2 (1990), 413
- A Calcioandyrbertsite . . . . . K(Ca, Cd)Cu<sub>5</sub>(AsO<sub>4</sub>)<sub>4</sub>[As(OH)<sub>2</sub>O<sub>2</sub>]•2H<sub>2</sub>O  
Mineralogical Record 30 (1999), 181
- A Calcioaravaipaite . . . . . PbCa<sub>2</sub>Al(F, OH)<sub>9</sub>  
Mineralogical Record 27 (1996), 293
- A Calciobetafite . . . . . (Ca, Na)<sub>2</sub>(Nb, Ti)<sub>2</sub>(O, OH)<sub>7</sub>  
American Mineralogist 68 (1983), 262
- D Calciobiotite . . . . . (K, Ca)(Mg, Fe)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH, F)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Calcioburbankite . . . . . Na<sub>3</sub>(Ca, Ce, Sr, La)<sub>3</sub>(CO<sub>3</sub>)<sub>5</sub>  
Canadian Mineralogist 33 (1995), 1231
- D Calciocelsian . . . . . (Ca, Na)(Si, Al)<sub>4</sub>O<sub>8</sub>  
Mineralogical Magazine 51 (1987), 317
- A Calciocopiapite . . . . . CaFe<sub>4</sub><sup>3+</sup>(SO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub>•20H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 131

- A Calciohilairite . . . . .  $\text{CaZrSi}_3\text{O}_9 \cdot 3\text{H}_2\text{O}$   
 American Mineralogist 73 (1988), 1191
- D Calcioitalc . . . . .  $\text{Ca}(\text{Mg}, \text{Al})_3(\text{Al}, \text{Si})_4\text{O}_{10}(\text{OH}, \text{F})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Calcioantalite . . . . . Ta, Nb, Fe, Ca, O  
 Mineralogical Magazine 38 (1972), 765
- A Calcioantite . . . . .  $\text{Ca}(\text{Ta}, \text{Nb})_4\text{O}_{11}$   
 Mineralogicheskiy Zhurnal 4 (1982) (3), 75
- A Calciouranoite . . . . .  $(\text{Ca}, \text{Ba}, \text{Pb}, \text{K}, \text{Na})\text{U}_2\text{O}_7 \cdot 5\text{H}_2\text{O}$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 108
- D Calciumhilgardite-2M . . . . .  $\text{Ca}_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 261
- D Calciumhilgardite-3A . . . . .  $\text{Ca}_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 261
- D Calcium-larsenite . . . . .  $(\text{Ca}, \text{Pb})\text{ZnSiO}_4$   
 American Mineralogist 50 (1965), 1170
- D Calcium-pharmacosiderite . . . . .  $\text{Ba}_{0.5}\text{Fe}_4^{3+}(\text{AsO}_4)_3(\text{OH})_4 \cdot 5\text{H}_2\text{O}$   
 Mineralogy and Petrology 64 (1998), 237
- D Calcium-rinkite . . . . .  $(\text{Ca}, \text{Na})_3(\text{Ti}, \text{Al})\text{Si}_2\text{O}_7(\text{F}, \text{OH})_2$   
 Mineralogical Magazine 33 (1962), 262
- D Calc-pigeonite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})\text{SiO}_3$   
 Mineralogical Magazine 52 (1988), 535
- A Calderonite . . . . .  $\text{Pb}_2\text{Fe}^{3+}(\text{VO}_4)_2(\text{OH})$   
 American Mineralogist 88 (2003), 1703
- A Calkinsite-(Ce) . . . . .  $(\text{Ce}, \text{La})_2(\text{CO}_3)_3 \cdot 4\text{H}_2\text{O}$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Calumetite . . . . .  $\text{Cu}(\text{OH}, \text{Cl})_2 \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 131
- A Calzirtite . . . . .  $\text{Ca}_2\text{Zr}_5\text{Ti}_2\text{O}_{16}$   
 Mineralogical Magazine 36 (1967), 131
- A Camerolaite . . . . .  $\text{Cu}_4\text{Al}_2(\text{HSbO}_4, \text{SO}_4)(\text{OH})_{10}\text{CO}_3 \cdot 2\text{H}_2\text{O}$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1991), 481
- A Cameronite . . . . .  $\text{AgCu}_7\text{Te}_{10}$   
 Canadian Mineralogist 24 (1986), 379
- A Camgasite . . . . .  $\text{CaMgAsO}_4(\text{OH}) \cdot 5\text{H}_2\text{O}$   
 Aufschluss 40 (1989), 369
- A Caminite . . . . .  $\text{MgSO}_4 \cdot x\text{Mg}(\text{OH})_2 \cdot n\text{H}_2\text{O}$   
 Geochimica et Cosmochimica Acta 47 (1983), 2053
- A Campigliaite . . . . .  $\text{Cu}_4\text{Mn}^{2+}(\text{SO}_4)_2(\text{OH})_6 \cdot 4\text{H}_2\text{O}$   
 American Mineralogist 67 (1982), 385
- D Canaanite . . . . .  $\text{CaMg}(\text{SiO}_3)_2$   
 Mineralogical Magazine 52 (1988), 535
- A Canaphite . . . . .  $\text{Na}_2\text{CaP}_2\text{O}_7 \cdot 4\text{H}_2\text{O}$   
 Mineralogical Record 16 (1985), 467
- A Canasite . . . . .  $\text{K}_3\text{Na}_3\text{Ca}_5\text{Si}_{12}\text{O}_{30}(\text{O}, \text{OH}, \text{F})_4$   
 Mineralogical Magazine 33 (1962), 260
- D Canasite . . . . .  $\text{K}_3\text{Na}_2\text{Ca}_4(\text{Na}, \text{Ca})_2\text{Si}_{12}\text{O}_{30}\text{F}(\text{OH})_3$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 125 (1996) (2), 106
- A Canavesite . . . . .  $\text{Mg}_2(\text{HBO}_3)(\text{CO}_3) \cdot 5\text{H}_2\text{O}$   
 Canadian Mineralogist 16 (1978), 69
- A Cancrisilite . . . . .  $\text{Na}_7(\text{Si}, \text{Al})_{12}\text{O}_{24}(\text{CO}_3) \cdot 3\text{H}_2\text{O}$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 120 (6) (1991), 80

- A Cannilloite . . . . .  $\text{CaCa}_2(\text{Mg}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Cannonite . . . . .  $\text{Bi}_2\text{O}(\text{SO}_4)(\text{OH})_2$   
Mineralogical Magazine 56 (1992), 605
- A Caoxite . . . . .  $\text{CaC}_2\text{O}_4 \cdot 3\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1997), 84
- A Capgaronnite . . . . .  $\text{AgHg}(\text{Cl}, \text{Br}, \text{I})\text{S}$   
American Mineralogist 77 (1992), 197
- D Caporcianite . . . . .  $\text{CaAl}_2\text{Si}_4\text{O}_{12} \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Cappelenite-(Y) . . . . .  $\text{Ba}(\text{Y}, \text{Ce})_6\text{B}_6\text{Si}_3\text{O}_{24}\text{F}_2$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Caratiite . . . . .  $\text{K}_2\text{Cu}_2\text{O}(\text{SO}_4)_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 118 (3) (1989), 88
- A Carboborite . . . . .  $\text{Ca}_2\text{Mg}[\text{B}(\text{OH})_4]_2(\text{CO}_3)_2 \cdot 4\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 131
- A Carbocernaite . . . . .  $(\text{Sr}, \text{Ce}, \text{La})(\text{Ca}, \text{Na})(\text{CO}_3)_2$   
Mineralogical Magazine 36 (1967), 131
- A Carboirite . . . . .  $\text{FeAl}_2\text{GeO}_5(\text{OH})_2$   
Tschermarks Mineralogische und Petrographische Mitteilungen 31 (1983), 97
- A Carbokentbrooksit . . . . .  $(\text{Na}, \square)_{12}(\text{Na}, \text{Ce})_3\text{Ca}_6\text{Mn}_3\text{Zr}_3\text{NbSi}_{25}\text{O}_{73}(\text{OH})_3(\text{CO}_3) \cdot \text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (5), 40
- A Carbonate-cyanotrichite . . . . .  $\text{Cu}_4\text{Al}_2\text{CO}_3(\text{OH})_{12} \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 131
- A Caresite-3T . . . . .  $\text{Fe}_4\text{Al}_2(\text{OH})_{12}\text{CO}_3 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1541
- D Carinthine . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Carletonite . . . . .  $\text{KNa}_4\text{Ca}_4\text{Si}_8\text{O}_{18}(\text{CO}_3)_4(\text{F}, \text{OH}) \cdot \text{H}_2\text{O}$   
American Mineralogist 56 (1971), 1855
- A Carlfriesite . . . . .  $\text{CaTe}^{6+}\text{Te}_2^{4+}\text{O}_8$   
Mineralogical Magazine 40 (1975), 127
- A Carlhintzeite . . . . .  $\text{Ca}_2\text{AlF}_7 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 17 (1979), 103
- A Carlinite . . . . .  $\text{Tl}_2\text{S}$   
American Mineralogist 60 (1975), 559
- A Carlosruizite . . . . .  $\text{K}_3(\text{Na}, \text{K})_2\text{Na}_3\text{Mg}_5(\text{IO}_3)_6(\text{SeO}_4, \text{SO}_4, \text{CrO}_4)_6 \cdot 6\text{H}_2\text{O}$   
American Mineralogist 79 (1994), 1003
- A Carlosturanite . . . . .  $(\text{Mg}, \text{Fe}^{2+}, \text{Ti})_{21}(\text{Si}, \text{Al})_{12}\text{O}_{28}(\text{OH})_{34} \cdot \text{H}_2\text{O}$   
American Mineralogist 70 (1985), 767
- A Carlsbergite . . . . .  $\text{CrN}$   
Nature: Physical Sciences 233 (1971), 113
- A Carmichaelite . . . . .  $(\text{Ti}, \text{Cr}, \text{Fe})(\text{O}, \text{OH})_2$   
American Mineralogist 85 (2000), 792
- D Carnevallite . . . . .  $(\text{Cu}, \text{Fe}, \text{Zn})_3\text{GaS}_4$   
Mineralogical Magazine 43 (1980), 1055
- A Carpathite . . . . .  $\text{C}_{24}\text{H}_{12}$   
Mineralogical Magazine 38 (1971), 103
- D Carphosiderite . . . . .  $\text{Fe}_3^{3+}(\text{SO}_4)_2(\text{OH})_5 \cdot 2\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031
- D Carphostilbite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571



- A Carraraite . . . . .  $\text{Ca}_3\text{Ge}(\text{SO}_4)(\text{CO}_3)(\text{OH})_6 \cdot 12\text{H}_2\text{O}$   
 American Mineralogist 86 (2001), 1293
- A Carrboydite . . . . .  $(\text{Ni}, \text{Al})_9(\text{SO}_4)_2(\text{OH})_{18} \cdot 10\text{H}_2\text{O}$   
 American Mineralogist 61 (1976), 366
- A Caryinite . . . . .  $(\text{Na}, \text{Pb})(\text{Ca}, \text{Na})\text{Ca}(\text{Mn}^{2+}, \text{Mg})_2(\text{AsO}_4)_3$   
 Mineralogical Magazine 43 (1980), 1054
- A Caryopilite . . . . .  $(\text{Mn}^{2+}, \text{Mg})_3\text{Si}_2\text{O}_5(\text{OH})_4$   
 Mineralogical Magazine 36 (1967), 133
- D Carystine . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
 American Mineralogist 63 (1978), 1023
- A Cascandite . . . . .  $\text{Ca}(\text{Sc}, \text{Fe})\text{Si}_3\text{O}_8(\text{OH})$   
 American Mineralogist 67 (1982), 599
- A Cassedanneite . . . . .  $\text{Pb}_5(\text{VO}_4)_2(\text{CrO}_4)_2 \cdot \text{H}_2\text{O}$   
 Comptes Rendus, Académie des Sciences (Paris) ser. II, 306 (1988), 125
- A Cassidyite . . . . .  $\text{Ca}_2(\text{Ni}, \text{Mg})(\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$   
 American Mineralogist 52 (1967), 1190
- D Castaingite . . . . .  $\text{CuMo}_2\text{S}_5$   
 Mineralogical Magazine 36 (1967), 133
- D Caswellite . . . . .  $\text{K}, \text{Al}, \text{Si}, \text{O} (?)$   
 Canadian Mineralogist 36 (1998), 905
- A Caswellsilverite . . . . .  $\text{NaCrS}_2$   
 American Mineralogist 67 (1982), 132
- D Cataforite . . . . .  $(\text{Ca}, \text{Na}, \text{K})_3(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- A Catalanoite . . . . .  $\text{Na}_2\text{HPO}_4 \cdot 8\text{H}_2\text{O}$   
 International Mineralogical Association, General Meeting Program Abstracts 18  
 (2002), 143
- D Cataphorite . . . . .  $(\text{Ca}, \text{Na}, \text{K})_3(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D  $\alpha$ -Catapleite . . . . .  $\text{Na}_2\text{ZrSi}_3\text{O}_9 \cdot 2\text{H}_2\text{O}$   
 Canadian Mineralogist 16 (1978), 195
- D Cataspilite . . . . .  $\text{K}, \text{Al}, \text{Si}, \text{O} (?)$   
 Canadian Mineralogist 36 (1998), 905
- D Cat gold . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Catlinite . . . . .  $\text{K}, \text{Al}, \text{Si}, \text{O} (?)$   
 Canadian Mineralogist 36 (1998), 905
- D Catophorite . . . . .  $(\text{Ca}, \text{Na}, \text{K})_3(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Cat silver . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Cattiite . . . . .  $\text{Mg}_3(\text{PO}_4)_2 \cdot 22\text{H}_2\text{O}$   
 Neues Jahrbuch für Mineralogie, Monatshefte (2002), 160
- A Cavansite . . . . .  $\text{Ca}(\text{V}^{4+}\text{O})\text{Si}_4\text{O}_{10} \cdot 4\text{H}_2\text{O}$   
 American Mineralogist 58 (1973), 405
- A Cavoite . . . . .  $\text{CaV}_3\text{O}_7$   
 European Journal of Mineralogy 15 (2003), 181
- A Caysichite-(Y) . . . . .  $(\text{Ca}, \text{Yb}, \text{Er})_4\text{Y}_4\text{Si}_8\text{O}_{20}(\text{CO}_3)_6(\text{OH}) \cdot 7\text{H}_2\text{O}$   
 Canadian Mineralogist 12 (1974), 293
- A Cebaite-(Ce) . . . . .  $\text{Ba}_3\text{Ce}_2(\text{CO}_3)_5\text{F}_2$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Čechite . . . . .  $\text{Pb}(\text{Fe}^{2+}, \text{Mn})\text{VO}_4(\text{OH})$

- Neues Jahrbuch für Mineralogie, Monatshefte (1981), 520
- A Cejkaite . . . . .  $\text{Na}_4\text{UO}_2(\text{CO}_3)_3$   
American Mineralogist 88 (2003), 686
- A Celadonite . . . . .  $\text{K}(\text{Mg}, \text{Fe}^{2+})(\text{Fe}^{3+}, \text{Al})\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Celestine . . . . .  $\text{SrSO}_4$   
Mineralogical Magazine 36 (1967), 135
- D Celestite . . . . .  $\text{SrSO}_4$   
Mineralogical Magazine 43 (1980), 1053
- D Cerargyrite . . . . .  $\text{AgCl}$   
Mineralogical Magazine 43 (1980), 1053
- A Cerchiarait . . . . .  $\text{Ba}_4(\text{Mn}, \text{Fe}, \text{Al})_4\text{O}_3(\text{OH})_3(\text{Si}_4\text{O}_{12})[\text{Si}_2\text{O}_3(\text{OH})_4]\text{Cl}$   
Neues Jahrbuch für Mineralogie, Monatshefte (2000), 373
- A Cerianite-(Ce) . . . . .  $\text{CeO}_2$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- R Ceripyrochlore-(Ce) . . . . .  $(\text{Ce}, \text{Ca}, \text{Y}, \square)_2(\text{Nb}, \text{Ta})_2(\text{O}, \text{OH}, \text{F})_7$   
American Mineralogist 62 (1977), 403
- A Cerite-(Ce) . . . . .  $(\text{Ce}, \text{La}, \text{Ca})_9(\text{Mg}, \text{Fe}^{3+})(\text{SiO}_4)_6(\text{SiO}_3\text{OH})(\text{OH})_3$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Cerite-(La) . . . . .  $(\text{La}, \text{Ce}, \text{Ca})_9(\text{Fe}, \text{Ca}, \text{Mg})(\text{SiO}_4)_3(\text{SiO}_3\text{OH})_4(\text{OH})_3$   
Canadian Mineralogist 40 (2002), 1177
- A Černýite . . . . .  $\text{Cu}_2\text{CdSnS}_4$   
Canadian Mineralogist 16 (1978), 139
- D Cerolite . . . . .  $\text{Ca}, \text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
American Mineralogist 50 (1965), 2111
- D Cerotungstite-(Ce) . . . . .  $\text{CeW}_2\text{O}_6(\text{OH})_3$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Cerphosphorhuttonite . . . . .  $(\text{Th}, \text{Ce})(\text{SiO}_4, \text{PO}_4)$   
Mineralogical Magazine 36 (1968), 1144
- D Ceruranopyrochlore . . . . .  $(\text{Ca}, \text{Ce}, \text{U})_2\text{Nb}_2\text{O}_6(\text{OH}, \text{F})$   
American Mineralogist 62 (1977), 403
- A Cervandonite-(Ce) . . . . .  $(\text{Ce}, \text{Nd}, \text{La})(\text{Fe}^{3+}, \text{Ti}, \text{Fe}^{2+}, \text{Al})_3(\text{Si}, \text{As})_3\text{O}_{13}$   
Schweizerische Mineralogische und Petrographische Mitteilungen 68 (1988), 125
- R Cervantite . . . . .  $\text{Sb}^{3+}\text{Sb}^{5+}\text{O}_4$   
Neues Jahrbuch für Mineralogie, Monatshefte (1962), 93
- A Cervelleite . . . . .  $\text{Ag}_4\text{TeS}$   
European Journal of Mineralogy 1 (1989), 371
- A Cesante . . . . .  $\text{Na}_7\text{Ca}_3(\text{SO}_4)_6(\text{OH}) \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 44 (1981), 269
- A Cesbronite . . . . .  $\text{Cu}_5(\text{Te}^{4+}\text{O}_3)_2(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 39 (1974), 744
- A Cesium kupletskite . . . . .  $(\text{Cs}, \text{K})_2\text{Na}(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Li})_7(\text{Ti}, \text{Nb})_2\text{Si}_8\text{O}_{26}(\text{OH})_4\text{F}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 197 (1971), 140
- A Cesplumtantite . . . . .  $(\text{Cs}, \text{Na})_2\text{Pb}_3\text{Ta}_8\text{O}_{24}$   
Mineralogicheskii Zhurnal 8 (1986) (5), 92
- A Cesstibtantite . . . . .  $\text{Cs}_{0.31}(\text{Sb}^{3+}, \text{Na})_{0.91}(\text{Ta}, \text{Nb})_2(\text{O}, \text{OH}, \text{F})_{6.69}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 345
- A Cetineite . . . . .  $\text{K}_{3.5}(\text{Sb}_2\text{O}_3)_3(\text{SbS}_3)(\text{OH})_{0.5} \cdot 2\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1987), 419
- D Chabasie . . . . .  $(\text{Ca}, \text{K}, \text{Na})(\text{Si}, \text{Al})_3\text{O}_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571

- D Chabasite . . . . . (Ca, K, Na)(Si, Al)<sub>3</sub>O<sub>6</sub> • 3H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Chabazite-Ca . . . . . Ca(Si<sub>4</sub>Al<sub>2</sub>)O<sub>12</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Chabazite-K . . . . . (K, Na, Ca)<sub>2</sub>(Si, Al)<sub>6</sub>O<sub>12</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Chabazite-Na . . . . . (Na, K, Ca)<sub>2</sub>(Si, Al)<sub>6</sub>O<sub>12</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Chabazite-Sr . . . . . Sr(Si<sub>4</sub>Al<sub>4</sub>)O<sub>12</sub> • 6H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 129 (2000) (4), 54
- A Chabournéite . . . . . Tl<sub>21-x</sub>Pb<sub>2x</sub>(Sb, As)<sub>91-x</sub>S<sub>147</sub> (x = 0-17.5)  
Bulletin de Minéralogie 104 (1981), 10
- D Chacaltaite . . . . . K, Al, Si, O  
Canadian Mineralogist 36 (1998), 905
- D Chacaltocite . . . . . KAl<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Chadwickite . . . . . UO<sub>2</sub>HAsO<sub>3</sub>  
Aufschluss 49 (1998), 253
- A Chaidamuite . . . . . ZnFe<sup>3+</sup>(SO<sub>4</sub>)<sub>2</sub>(OH) • 4H<sub>2</sub>O  
Acta Mineralogica Sinica (in Chinese) 6 (1986), 109
- D Chalcodite . . . . . K, Fe, Mg, Al, Si, O, H<sub>2</sub>O  
Canadian Mineralogist 36 (1998), 905
- D Chalcolamprite . . . . . Ca, Na, Ce, Nb, Zr, Si, O  
American Mineralogist 62 (1977), 403
- D Chalcolite . . . . . Cu(UO<sub>2</sub>)<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub> • nH<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 1053
- A Chalcothallite . . . . . (Cu, Fe, Ag)<sub>6.3</sub>(Tl, K)<sub>2</sub>SbS<sub>4</sub>  
Meddelelser om Grønland 181 (1967) (5), 13
- D Challantite . . . . . Fe<sub>5</sub><sup>3+</sup>O(SO<sub>4</sub>)<sub>6</sub>(OH) • 20H<sub>2</sub>O  
Canadian Mineralogist 23 (1985), 53
- D Chalybite . . . . . FeCO<sub>3</sub>  
Mineralogical Magazine 33 (1962), 263
- A Chambersite . . . . . Mn<sub>3</sub>B<sub>7</sub>O<sub>13</sub>Cl  
Mineralogical Magazine 36 (1967), 131
- A Chaméanite . . . . . (Cu, Fe)<sub>4</sub>As(Se, S)<sub>4</sub>  
Tschermarks Mineralogische und Petrographische Mitteilungen 29 (1982), 151
- A Changchengite . . . . . IrBiS  
Acta Geologica Sinica (in Chinese) 71 (1997), 486
- A Changoite . . . . . Na<sub>2</sub>Zn(SO<sub>4</sub>)<sub>2</sub> • 4H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1999), 97
- A Chantalite . . . . . CaAl<sub>2</sub>SiO<sub>4</sub>(OH)<sub>4</sub>  
Schweizerische Mineralogische und Petrographische Mitteilungen 57 (1977), 149
- A Chaoite . . . . . C  
Naturwissenschaften 56 (1970), 493
- A Chapmanite . . . . . Fe<sub>2</sub><sup>3+</sup>Sb<sup>3+</sup>(SiO<sub>4</sub>)<sub>2</sub>(OH)  
Mineralogical Magazine 36 (1968), 1145
- A Charlesite . . . . . Ca<sub>6</sub>Al<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>B(OH)<sub>4</sub>(OH, O)<sub>12</sub> • 26H<sub>2</sub>O  
American Mineralogist 68 (1983), 1033
- A Charmarite-2H . . . . . Mn<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>CO<sub>3</sub> • 3H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1541
- A Charmarite-3T . . . . . Mn<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>CO<sub>3</sub> • 3H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1541

- A Charoite . . . . .  $(K, Na)_5(Ca, Ba, Sr)_8(Si_6O_{15})_2(Si_6O_{16})(OH, F) \cdot nH_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **107 (1978), 94**
- A Chatkalite . . . . .  $Cu_6FeSn_2S_8$   
Mineralogicheskii Zhurnal **3 (1981) (5), 79**
- D Chavesite . . . . .  $Ca(PO_3OH)$   
American Mineralogist **79 (1994), 385**
- A Chayesite . . . . .  $K(Mg, Fe^{2+})_4Fe^{3+}Si_{12}O_{30}$   
American Mineralogist **74 (1989), 1368**
- A Chekhovichite . . . . .  $Bi_2^{3+}Te_4^{4+}O_{11}$   
Vestnik Moskovskogo Universiteta, Geologiya ser. ser. **4, 42 (1987) (6), 71**
- D Chengbolite . . . . .  $(Pt, Pd)(Te, Bi)_2$   
Mineralogical Magazine **43 (1980), 1055**
- A Chengdeite . . . . .  $Ir_3Fe$   
Acta Geologica Sinica (in Chinese) **69 (1995), 215**
- A Chenite . . . . .  $CuPb_4(SO_4)_2(OH)_6$   
Mineralogical Magazine **50 (1986), 129**
- A Cheremnykhite . . . . .  $Pb_3Zn_3TeO_6(VO_4)_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **119 (5) (1990), 50**
- A Cherepanovite . . . . .  $RhAs$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **114 (1985), 464**
- A Chernikovite . . . . .  $(H_3O)(UO_2)(PO_4) \cdot 3H_2O$   
Mineralogical Record **19 (1988), 249**
- A Chernovite-(Y) . . . . .  $YAsO_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **96 (1967), 699**
- A Chernykhite . . . . .  $(Ba, Na)(V^{3+}, Al)_2(Si, Al)_4O_{10}(OH)_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **101 (1972), 451**
- D Chernyshevite . . . . .  $Na_2(Fe, Mg, Al)_5(Si, Al)_8O_{22}(OH)_2$   
American Mineralogist **63 (1978), 1023**
- A Chervetite . . . . .  $Pb_2V_2^5+O_7$   
Mineralogical Magazine **36 (1967), 131**
- A Chessexite . . . . .  $Na_4Ca_2Mg_3Al_8(SiO_4)_2(SO_4)_{10}(OH)_{10} \cdot 40H_2O$   
Schweizerische Mineralogische und Petrographische Mitteilungen **62 (1982), 337**
- D Chessylite . . . . .  $Cu_3(CO_3)_2(OH)_2$   
Mineralogical Magazine **43 (1980), 1053**
- A Chesterite . . . . .  $(Mg, Fe^{2+})_{17}Si_{20}O_{54}(OH)_6$   
American Mineralogist **63 (1978), 1000**
- A Chestermanite . . . . .  $Mg_2(Fe^{3+}, Mg, Al, Sb)O_2BO_3$   
Canadian Mineralogist **26 (1988), 911**
- A Chevkinite-(Ce) . . . . .  $(Ce, La)_4(Ti, Fe^{2+}, Fe^{3+})_5O_8(Si_2O_7)_2$   
American Mineralogist **72 (1987), 1031 (Appendix 2)**
- A Chiavennite . . . . .  $CaMn^{2+}(BeOH)_2(Si, Al)_5O_{13} \cdot 2H_2O$   
American Mineralogist **68 (1983), 623**
- D Chiklite . . . . .  $Na_2Ca(Fe, Mn)_5Si_8O_{22}(OH)_2$   
American Mineralogist **63 (1978), 1023**
- D Chile-löweite . . . . .  $Na_7K_3Mg_2(SO_4)_6(NO_3)_2 \cdot 6H_2O$   
Kali und Steinsalz **5 (1969), 190**
- D Chillagite . . . . .  $Pb(Mo, W)O_4$   
Australian Journal of Mineralogy **7 (2001), 39**
- A Chiluite . . . . .  $Bi_3Te^{6+}Mo^{6+}O_{10.5}$   
Acta Mineralogica Sinica (in Chinese) **9 (1989), 9**
- A Chladniite . . . . .  $Na_2CaMg_7(PO_4)_6$   
American Mineralogist **79 (1994), 375**

- D Chladnite . . . . . MgSiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- A Chlorargyrite . . . . . AgCl  
Mineralogical Magazine 33 (1962), 263
- D Chlorarsenian . . . . . Mn<sub>7</sub>(AsO<sub>4</sub>)<sub>2</sub>(OH)<sub>8</sub>  
Geologiska Föreningens i Stockholm Förhandlingar 94 (1972), 423
- A Chlorartinite . . . . . Mg<sub>2</sub>CO<sub>3</sub>Cl(OH)•3H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 127 (1998) (2), 55
- A Chlorbartonite . . . . . K<sub>6</sub>Fe<sub>24</sub>S<sub>26</sub>(Cl, S)  
Canadian Mineralogist 41 (2003), 503
- A Chlorellestadite . . . . . Ca<sub>5</sub>(SiO<sub>4</sub>, SO<sub>4</sub>, PO<sub>4</sub>)<sub>3</sub>Cl  
American Mineralogist 67 (1982), 90
- D Chlorhastingsite . . . . . NaCa<sub>2</sub>(Fe, Mg)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH, Cl)<sub>2</sub>  
Mineralogical Magazine 38 (1971), 103
- D Cl-tyretskite . . . . . Ca<sub>2</sub>B<sub>5</sub>O<sub>9</sub>Cl•H<sub>2</sub>O  
American Mineralogist 70 (1985), 636
- A Chlormagaluminite . . . . . (Mg, Fe<sup>2+</sup>)<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>Cl<sub>2</sub>•2H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 121
- D Chloromelanite . . . . . (Ca, Na)(Mg, Fe, Al)(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Chloromenite . . . . . Cu<sub>9</sub>O<sub>2</sub>(Se<sup>4+</sup>O<sub>3</sub>)<sub>4</sub>Cl<sub>6</sub>  
European Journal of Mineralogy 11 (1999), 119
- D Chloropal . . . . . Na<sub>x</sub>Fe<sub>2</sub><sup>3+</sup>(Si, Al)<sub>4</sub>O<sub>10</sub>•nH<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 1053
- D Chlorophanerite . . . . . (K, Na)(Fe, Al, Mg)<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Chlorotile (of Walenta) . . . . . (Y, Ca)Cu<sub>6</sub>(AsO<sub>4</sub>)<sub>3</sub>(OH)<sub>6</sub>•3H<sub>2</sub>O  
Mineralogical Magazine 37 (1970), 954
- A Choloalite . . . . . (Pb, Ca)<sub>3</sub>(Cu, Sb)<sub>3</sub>Te<sub>6</sub>O<sub>18</sub>Cl  
Mineralogical Magazine 44 (1981), 55
- A Chrisstanleyite . . . . . Ag<sub>2</sub>Pd<sub>3</sub>Se<sub>4</sub>  
Mineralogical Magazine 62 (1998), 257
- A Christelite . . . . . Zn<sub>3</sub>Cu<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>•4H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1996), 188
- D Christianite (of des Cloizeaux) . . . . . KCa(Si, Al)<sub>8</sub>O<sub>16</sub>•6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Christite . . . . . TlHgAsS<sub>3</sub>  
American Mineralogist 62 (1977), 421
- A Chromatite . . . . . CaCrO<sub>4</sub>  
Mineralogical Magazine 36 (1967), 131
- D Chrombiotite . . . . . K(Mg, Fe, Cr)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Chrombismite . . . . . Bi<sub>16</sub>CrO<sub>27</sub>  
Acta Mineralogica Sinica (in Chinese) 16 (1996), 335
- A Chromceladonite . . . . . KMgCrSi<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 129 (2000) (1), 38
- D Chromdisthene . . . . . (Al, Cr)<sub>2</sub>SiO<sub>5</sub>  
Mineralogical Magazine 38 (1971), 103
- A Chromdravite . . . . . NaMg<sub>3</sub>(Cr, Fe<sup>3+</sup>)<sub>6</sub>(BO<sub>3</sub>)<sub>3</sub>Si<sub>6</sub>O<sub>18</sub>(OH)<sub>4</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 222
- D Chrome-acmite . . . . . Na(Fe<sup>3+</sup>, Cr)Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535

- D Chromejadeite . . . . . Na(Al, Fe<sup>3+</sup>, Cr)(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- D Chrome mica . . . . . K(Al, Cr)<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Chromephlogopite . . . . . K(Mg, Fe, Cr)<sub>3</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Mineralogical Magazine 43 (1980), 1055
- D Chrome-tremolite . . . . . Ca<sub>2</sub>(Mg, Cr)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Chromferide . . . . . Fe<sub>1.5</sub>Cr<sub>0.2</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 115 (1986), 355
- D Chromglimmer . . . . . K(Al, Cr)<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Chrominium . . . . . Pb<sub>2</sub>CrO<sub>5</sub>  
Bulletin de la Société Française de Minéralogie et de Cristallographie 95 (1972), 427
- A Chromium . . . . . Cr  
Kexue Tongbao (in Chinese) 26 (1981), 959
- D Chromochre . . . . . K(Al, Cr)<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Chromphyllite . . . . . KCr<sub>2</sub>AlSi<sub>3</sub>O<sub>10</sub>(OH, F)<sub>2</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 126 (1997) (2), 110
- D Chromsteigerite . . . . . Al, V, O, H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 133
- A Chrysocolla . . . . . (Cu, Al)<sub>2</sub>H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub>•nH<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 1054
- D Chrysophane . . . . . CaMg<sub>2</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Chudobaite . . . . . (Mg, Zn)<sub>5</sub>(AsO<sub>4</sub>)<sub>2</sub>(AsO<sub>3</sub>OH)<sub>2</sub>•10H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 260
- A Chukhrovite-(Ce) . . . . . Ca<sub>3</sub>(Ce, Y)Al<sub>2</sub>(SO<sub>4</sub>)F<sub>13</sub>•10H<sub>2</sub>O  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Chukhrovite-(Y) . . . . . Ca<sub>3</sub>(Y, Ce)Al<sub>2</sub>(SO<sub>4</sub>)F<sub>13</sub>•10H<sub>2</sub>O  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- R Churchite-(Nd) . . . . . NdPO<sub>4</sub>•2H<sub>2</sub>O  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Churchite-(Y) . . . . . (Y, Er)PO<sub>4</sub>•2H<sub>2</sub>O  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Chursinite . . . . . Hg<sub>3</sub>AsO<sub>4</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 341
- A Chvaleticeite . . . . . (Mn, Mg)SO<sub>4</sub>•6H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1986), 121
- A Chvilevaite . . . . . Na(Cu, Fe, Zn)<sub>2</sub>S<sub>2</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 117 (1988), 204
- A Cianciulliite . . . . . (Mg, Mn<sup>2+</sup>)<sub>2</sub>Mn<sup>2+</sup>Zn<sub>2</sub>(OH)<sub>10</sub>•2•4H<sub>2</sub>O  
American Mineralogist 76 (1991), 1708
- A Ciprianiite . . . . . Ca<sub>4</sub>(Th, U, REE)<sub>2</sub>Al<sub>2</sub>Si<sub>4</sub>B<sub>4</sub>O<sub>22</sub>(OH, F)<sub>2</sub>  
American Mineralogist 87 (2002), 739
- A Clairite . . . . . (NH<sub>4</sub>)<sub>2</sub>(Fe<sup>3+</sup>, Mn<sup>3+</sup>)<sub>3</sub>(SO<sub>4</sub>)<sub>4</sub>(OH)<sub>3</sub>•3H<sub>2</sub>O  
Annals Geological Survey of South Africa 17 (1983), 29
- A Claraite . . . . . (Cu, Zn)<sub>3</sub>CO<sub>3</sub>(OH)<sub>4</sub>•4H<sub>2</sub>O  
Chemie der Erde 41 (1982), 97
- A Claringbullite . . . . . Cu<sub>4</sub>Cl(OH, Cl)<sub>7</sub>

- Mineralogical Magazine 41 (1977), 433
- A Clearcreekite . . . . .  $\text{Hg}_3^{1+}(\text{CO}_3)(\text{OH}) \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 39 (2001), 779
- A Clerite . . . . .  $\text{MnSb}_2\text{S}_4$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 125 (1996) (3), 95
- A Cliffordite . . . . .  $\text{UTe}_3^{4+}\text{O}_9$   
American Mineralogist 54 (1969), 697
- D Clingmanite . . . . .  $\text{CaAl}_6\text{Si}_2\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Clino-anthophyllite . . . . .  $(\text{Mg, Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Clinoatacamite . . . . .  $\text{Cu}_2(\text{OH})_3\text{Cl}$   
Canadian Mineralogist 34 (1996), 61
- A Clinobaryllite . . . . .  $\text{BaBe}_2\text{Si}_2\text{O}_7$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (1), 29
- A Clinobehoite . . . . .  $\text{Be}(\text{OH})_2$   
Mineralogicheskii Zhurnal 11 (1989) (5), 88
- A Clinobisvanite . . . . .  $\text{BiVO}_4$   
Mineralogical Magazine 39 (1974), 847
- A Clinocervantite . . . . .  $\text{Sb}^{3+}\text{Sb}^{5+}\text{O}_4$   
European Journal of Mineralogy 11 (1999), 95
- A Clinoenstatite . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Clinoeulite . . . . .  $(\text{Fe, Mg})(\text{SiO}_3)_2$   
American Mineralogist 72 (1987), 1031
- A Clinoferroholmquistite . . . . .  $\square\text{Li}_2(\text{Fe}^{2+}, \text{Mg, Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH, F})_2$   
Canadian Mineralogist 35 (1997), 219
- A Clinoferrosilite . . . . .  $(\text{Fe}^{2+}, \text{Mg})\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- R Clinoholmquistite . . . . .  $\square\text{Li}_2(\text{Mg, Fe}^{2+}, \text{Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH, F})_2$   
Canadian Mineralogist 35 (1997), 219
- D Clinohypersthene . . . . .  $(\text{Fe, Mg})(\text{SiO}_3)_2$   
Mineralogical Magazine 52 (1988), 535
- A Clinojimthompsonite . . . . .  $(\text{Mg, Fe}^{2+})_5\text{Si}_6\text{O}_{16}(\text{OH})_2$   
American Mineralogist 63 (1978), 1000
- D Clinokupfferite . . . . .  $(\text{Mg, Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Clinokurchatovite . . . . .  $\text{Ca}(\text{Mg, Fe, Mn})\text{B}_2\text{O}_5$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 483
- A Clinomimetite . . . . .  $\text{Pb}_5(\text{AsO}_4)_3\text{Cl}$   
Canadian Mineralogist 29 (1991), 369
- A Clinophosinaite . . . . .  $\text{Na}_3\text{Ca}(\text{SiO}_3)(\text{PO}_4)$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 351
- A Clinoptilolite-Ca . . . . .  $(\text{Ca, Na, K})_{2-3}(\text{Si, Al})_{18}\text{O}_{36} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- R Clinoptilolite-K . . . . .  $(\text{K, Na, Ca})_{2-3}(\text{Si, Al})_{18}\text{O}_{36} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Clinoptilolite-Na . . . . .  $(\text{Na, K, Ca})_{2-3}(\text{Si, Al})_{18}\text{O}_{36} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Clinosafflorite . . . . .  $(\text{Co, Fe, Ni})\text{As}_2$   
Canadian Mineralogist 10 (1971), 877

- D Clinostrengite . . . . .  $\text{Fe}^{3+}\text{PO}_4 \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine 43 (1980), 1053
- A Clinotobermorite . . . . .  $\text{Ca}_5\text{Si}_6(\text{O}, \text{OH})_{18} \cdot 5\text{H}_2\text{O}$   
 Mineralogical Magazine 56 (1992), 353
- D Clinovariscite . . . . .  $\text{AlPO}_4 \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine 43 (1980), 1053
- A Clintonite . . . . .  $\text{Ca}(\text{Mg}, \text{Al})_3(\text{Al}, \text{Si})_4\text{O}_{10}(\text{OH}, \text{F})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Cluthalite . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Coalingite . . . . .  $\text{Mg}_{10}\text{Fe}_2^{3+}\text{CO}_3(\text{OH})_{24} \cdot 2\text{H}_2\text{O}$   
 American Mineralogist 50 (1965), 1893
- A Cobaltarthurite . . . . .  $\text{CoFe}_2^{3+}(\text{AsO}_4)_2(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
 Canadian Mineralogist 40 (2002), 725
- A Cobaltaustinite . . . . .  $\text{CaCoAsO}_4(\text{OH})$   
 Australian Mineralogist 3 (1988), 53
- D Cobalt-frohbergite . . . . .  $(\text{Fe}, \text{Co})\text{Te}_2$   
 American Mineralogist 72 (1987), 1031
- A Cobaltkieserite . . . . .  $\text{CoSO}_4 \cdot \text{H}_2\text{O}$   
 Geologiska Föreningens i Stockholm Förhandlingar 124 (2002), 117
- A Cobaltkoritnigite . . . . .  $(\text{Co}, \text{Zn})(\text{AsO}_3\text{OH}) \cdot \text{H}_2\text{O}$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1981), 257
- A Cobaltlotharmeyerite . . . . .  $\text{Ca}(\text{Co}, \text{Fe}, \text{Ni})_2(\text{AsO}_4)_2(\text{OH}, \text{H}_2\text{O})_2$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1999), 505
- A Cobaltneustädtelite . . . . .  $\text{Bi}_2\text{Fe}^{3+}(\text{Co}, \text{Fe}^{3+})(\text{O}, \text{OH})_4(\text{AsO}_4)_2$   
 American Mineralogist 87 (2002), 726
- D Cobaltocalcite (of Frondel) . . . . .  $\text{CoCO}_3$   
 Mineralogical Magazine 43 (1980), 1053
- D Cobaltomelane . . . . .  $\text{Mn}, \text{Co}, \text{O}$   
 Mineralogical Magazine 33 (1962), 261
- A Cobalt pentlandite . . . . .  $(\text{Co}, \text{Ni}, \text{Fe})_9\text{S}_8$   
 Mineralogical Magazine 33 (1962), 260
- A Cobalttsumcorite . . . . .  $\text{Pb}(\text{Co}, \text{Fe})_2(\text{AsO}_4)_2(\text{OH}, \text{H}_2\text{O})_2$   
 Neues Jahrbuch für Mineralogie, Monatshefte (2001), 558
- A Cobalt-zippeite . . . . .  $\text{Co}(\text{UO}_2)_2(\text{SO}_4)\text{O}_2 \cdot 3.5\text{H}_2\text{O}$   
 Canadian Mineralogist 14 (1976), 429
- D Coccolite . . . . .  $(\text{Ca}, \text{Fe}, \text{Mg})(\text{SiO}_3)_2$   
 Mineralogical Magazine 52 (1988), 535
- A Cochromite . . . . .  $(\text{Co}, \text{Ni}, \text{Fe}^{2+})(\text{Cr}, \text{Al}, \text{Fe}^{3+})_2\text{O}_4$   
 Bulletin de Bureau de Recherches Géologiques et Minières Sec. II (1978) (3),  
 225
- D Cocinerite . . . . .  $\text{Cu}, \text{Ag}, \text{S}$   
 American Mineralogist 52 (1967), 1214
- A Coconinoite . . . . .  $\text{Fe}_2^{3+}\text{Al}_2(\text{UO}_2)_2(\text{PO}_4)_4(\text{SO}_4)(\text{OH})_2 \cdot 20\text{H}_2\text{O}$   
 American Mineralogist 51 (1966), 651
- A Coesite . . . . .  $\text{SiO}_2$   
 Mineralogical Magazine 33 (1962), 260
- D Colomite . . . . .  $\text{K}(\text{V}, \text{Al}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Colquiriite . . . . .  $\text{CaLiAlF}_6$   
 Tschermarks Mineralogische und Petrographische Mitteilungen 27 (1980), 275
- D Columbomicrolite . . . . .  $(\text{Ca}, \text{Na})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$



- American Mineralogist 62 (1977), 403
- A Comancheite . . . . .  $\text{Hg}_{13}\text{O}_9(\text{Cl}, \text{Br})_8$   
Canadian Mineralogist 19 (1981), 393
- A Comblainite . . . . .  $\text{Ni}_6\text{Co}_2^{3+}\text{CO}_3(\text{OH})_{16} \cdot 4\text{H}_2\text{O}$   
Bulletin de Minéralogie 103 (1980), 113
- D Common mica . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Compreignacite . . . . .  $\text{K}_2(\text{UO}_2)_6\text{O}_4(\text{OH})_6 \cdot 7\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 87 (1964), 365
- D Comptonite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Congolite . . . . .  $(\text{Fe}^{2+}, \text{Mg}, \text{Mn})_3\text{B}_7\text{O}_{13}\text{Cl}$   
Kali und Steinsalz 6 (1972), 1
- A Coombsite . . . . .  $\text{K}(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Mg})_{13}(\text{Si}, \text{Al})_{18}\text{O}_{42}(\text{OH})_{14}$   
New Zealand Journal of Geology and Geophysics 34 (1991), 329
- A Coparsite . . . . .  $\text{Cu}_4\text{O}_2(\text{As}, \text{V})\text{O}_4\text{Cl}$   
Canadian Mineralogist 37 (1999), 911
- A Coquandite . . . . .  $\text{Sb}_6^{3+}\text{O}_8\text{SO}_4 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 56 (1992), 599
- A Corderoite . . . . .  $\text{Hg}_3\text{S}_2\text{Cl}_2$   
American Mineralogist 59 (1974), 652
- A Cordylite-(Ce) . . . . .  $(\text{Na}, \text{Ca}, \square)\text{Ba}(\text{Ce}, \text{La})_2(\text{CO}_3)_4(\text{F}, \text{O})$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- R Corkite . . . . .  $\text{PbFe}_3^{3+}(\text{SO}_4)(\text{PO}_4)(\text{OH})_6$   
American Mineralogist 72 (1987), 178
- A Cornubite . . . . .  $\text{Cu}_5(\text{AsO}_4)_2(\text{OH})_4$   
Mineralogical Magazine 33 (1962), 260
- D Corundellite . . . . .  $\text{CaAl}_4\text{Si}_2\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Coskrenite-(Ce) . . . . .  $(\text{Ce}, \text{Nd}, \text{La})_2(\text{SO}_4)_2(\text{C}_2\text{O}_4) \cdot 8\text{H}_2\text{O}$   
Canadian Mineralogist 37 (1999), 1453
- D Cossaite . . . . .  $\text{NaAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Cossyrite . . . . .  $\text{Na}_2\text{Fe}_5^{2+}\text{TiSi}_6\text{O}_{20}$   
American Mineralogist 49 (1964), 821
- A Costibite . . . . .  $\text{CoSbS}$   
American Mineralogist 55 (1970), 10
- R Coulsonite . . . . .  $\text{Fe}^{2+}\text{V}_2^{3+}\text{O}_4$   
American Mineralogist 47 (1962), 1284
- D Coutinhite . . . . .  $(\text{La}, \text{Nd})_2(\text{CO}_3)_3 \cdot 8\text{H}_2\text{O}$   
Mineralogical Magazine 63 (1999), 761
- A Coutinhoite . . . . .  $\text{Ba}(\text{UO}_2)_2\text{Si}_5\text{O}_{13} \cdot \text{H}_2\text{O}$   
American Mineralogist (in press)
- D Coutinite . . . . .  $(\text{La}, \text{Nd})_2(\text{CO}_3)_3 \cdot 8\text{H}_2\text{O}$   
Mineralogical Magazine 63 (1999), 761
- A Cowlesite . . . . .  $\text{Ca}(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 5\text{-}6\text{H}_2\text{O}$   
American Mineralogist 60 (1975), 951
- A Coyoteite . . . . .  $\text{NaFe}_3\text{S}_5 \cdot 2\text{H}_2\text{O}$   
American Mineralogist 68 (1983), 245
- D Craigite . . . . .  $4\text{O}_2 \cdot 23\text{H}_2\text{O}, 4\text{N}_2 \cdot 23\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1055

- A Crawfordite . . . . .  $\text{Na}_3\text{Sr}(\text{PO}_4)(\text{CO}_3)$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **123 (1994) (3), 107**
- A Creaseyite . . . . .  $\text{Cu}_2\text{Pb}_2(\text{Fe}^{3+}, \text{Al})_2\text{Si}_5\text{O}_{17} \cdot 6\text{H}_2\text{O}$   
Mineralogical Magazine **40 (1975), 227**
- A Crerarite . . . . .  $(\text{Pt}, \text{Pb})\text{Bi}_3(\text{S}, \text{Se})_{4-x}$  ( $x = 0.4-0.8$ )  
Neues Jahrbuch für Mineralogie, Monatshefte (1994), **567**
- A Crichtonite . . . . .  $(\text{Sr}, \text{Pb}, \text{La}, \text{Ce})\text{Ti}_{12}(\text{Fe}^{3+}, \text{Ti}, \text{Mn})_9\text{O}_{38}$   
Mineralogical Magazine **43 (1980), 1054**
- A Criddleite . . . . .  $\text{Ag}_2\text{Au}_3\text{TlSb}_{10}\text{S}_{10}$   
Mineralogical Magazine **52 (1988), 691**
- D Crocalite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- D Crocidolite . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63 (1978), 1023**
- A Cronusite . . . . .  $\text{Ca}_{0.2}\text{CrS}_2 \cdot 2\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **130 (2001) (3), 29**
- D Crossite . . . . .  $(\text{Na}, \text{Ca})_2(\text{Fe}^{3+}, \text{Fe}^{2+}, \text{Mg}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Mineralogical Magazine **61 (1997), 295**
- D Cryophyllite . . . . .  $\text{K}, \text{Li}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{OH}$   
Canadian Mineralogist **36 (1998), 905**
- A Cryptomelane . . . . .  $\text{K}(\text{Mn}^{4+}, \text{Mn}^{2+})_8\text{O}_{16}$   
Mineralogical Magazine **46 (1982), 513**
- D Cryptonickelmelane . . . . .  $\text{Mn}, \text{Ni}, \text{Co}, \text{O}$   
Mineralogical Magazine **33 (1962), 261**
- D Csiklovaite . . . . .  $\text{Bi}_2\text{Te}(\text{S}, \text{Se})_2$   
American Mineralogist **76 (1991), 257**
- A Cualstibite . . . . .  $\text{Cu}_6\text{Al}_3(\text{SbO}_4)_3(\text{OH})_{12} \cdot 10\text{H}_2\text{O}$   
Chemie der Erde **43 (1984), 255**
- D Cubicite . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- D Cubic zeolite . . . . .  $\text{Ca}, \text{Na}, \text{K}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- D Cubizit . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- A Cuboargyrite . . . . .  $\text{AgSbS}_2$   
Lapis **23 (1998), 21**
- D Cuboite . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- D Cuboizite . . . . .  $(\text{Ca}, \text{K}, \text{Na})(\text{Si}, \text{Al})_3\text{O}_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- R Cumingtonite . . . . .  $\square(\text{Mg}, \text{Fe}^{2+}, \text{Mn}^{2+})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist **35 (1997), 219**
- A Cupalite . . . . .  $(\text{Cu}, \text{Zn})\text{Al}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **114 (1985), 90**
- D Cuproartinite . . . . .  $\text{Cu}_8(\text{SO}_4)_4\text{CO}_3(\text{OH})_6 \cdot 48\text{H}_2\text{O}$   
American Mineralogist **67 (1982), 156**
- D Cuprocassiterite . . . . .  $(\text{Cu}, \text{Fe}, \text{Zn})\text{Sn}(\text{OH})_6$   
Mineralogical Record **17 (1986), 383**
- D Cuprohydromagnesite . . . . .  $\text{Cu}_8(\text{SO}_4)_4\text{CO}_3(\text{OH})_6 \cdot 48\text{H}_2\text{O}$   
American Mineralogist **67 (1982), 156**
- A Cuproiridsite . . . . .  $\text{CuIr}_2\text{S}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **114 (1985), 187**

- A Cupropavonite . . . . .  $\text{AgCu}_{1.8}\text{Pb}_{1.2}\text{Bi}_5\text{S}_{10}$   
 Bulletin de Minéralogie 102 (1979), 351
- A Cuprorhodsit . . . . .  $\text{CuRh}_2\text{S}_4$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 187
- R Cuprorivaite . . . . .  $\text{CaCuSi}_4\text{O}_{10}$   
 American Mineralogist 47 (1962), 409
- A Cuprospinel . . . . .  $(\text{Cu, Mg})\text{Fe}_2^{3+}\text{O}_4$   
 Canadian Mineralogist 11 (1973), 1003
- D Cuprouranite . . . . .  $\text{Cu}(\text{UO}_2)_2(\text{PO}_4)_2 \cdot n\text{H}_2\text{O}$   
 Mineralogical Magazine 43 (1980), 1053
- A Curetonite . . . . .  $\text{Ba}(\text{Al, Ti})(\text{PO}_4)(\text{OH, O})\text{F}$   
 Mineralogical Record 10 (1979), 219
- A Curienite . . . . .  $\text{Pb}(\text{UO}_2)_2(\text{VO}_4)_2 \cdot 5\text{H}_2\text{O}$   
 Bulletin de la Société Française de Minéralogie et de Cristallographie 91 (1968), 453
- A Cuzticit . . . . .  $\text{Fe}_2^{3+}\text{Te}^{6+}\text{O}_6 \cdot 3\text{H}_2\text{O}$   
 Mineralogical Magazine 46 (1982), 257
- A Cyanophyllite . . . . .  $\text{Cu}_5\text{Al}_2\text{Sb}_3^{3+}\text{O}_{12}(\text{OH}) \cdot 12\text{H}_2\text{O}$   
 Chemie der Erde 40 (1981), 195
- A Cyanotrichite . . . . .  $\text{Cu}_4\text{Al}_2\text{SO}_4(\text{OH})_{12} \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 134
- D Cyclo wollastonite . . . . .  $\text{CaSiO}_3$   
 Mineralogical Magazine 43 (1980), 1055
- D Cymatolite . . . . .  $\text{Li, Al, Si, O}$   
 Mineralogical Magazine 52 (1988), 535
- R Dachiardite-Ca . . . . .  $(\text{Ca, K, Na})_4(\text{Si, Al})_{24}\text{O}_{48} \cdot 18\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- R Dachiardite-Na . . . . .  $\text{Na}_4(\text{Si}_{20}\text{Al}_4)\text{O}_{48} \cdot 18\text{H}_2\text{O}$   
 Mineralogical Magazine 62 (1998), 533
- A Dadsonite . . . . .  $\text{Pb}_{10+x}\text{Sb}_{14-x}\text{S}_{31-x}\text{Cl}_x$   
 Mineralogical Magazine 37 (1969), 437
- A Damarait . . . . .  $\text{Pb}_3\text{O}_2(\text{OH})\text{Cl}$   
 Mineralogical Magazine 54 (1990), 593
- A Damiaoit . . . . .  $\text{In}_2\text{Pt}$   
 Acta Geologica Sinica (in Chinese) 71 (1997), 328
- D Damourit . . . . .  $\text{KAl}_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Danbaite . . . . .  $\text{CuZn}_2$   
 Kexue Tongbao (in Chinese) 28 (1983), 1383
- A Danielsit . . . . .  $(\text{Cu, Ag})_{14}\text{HgS}_8$   
 American Mineralogist 72 (1987), 401
- D Dannemorit . . . . .  $\square\text{Mn}_2^{2+}(\text{Fe, Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- A Daqingshanite-(Ce) . . . . .  $(\text{Sr, Ca, Ba})_3(\text{Ce, La})\text{PO}_4(\text{CO}_3, \text{OH, F})_3$   
 Geochemistry (China) 2 (1983), 180
- A Darapiosit . . . . .  $(\text{Na, K, } \square)_3(\text{Li, Zn, Fe})_3(\text{Mn, Zr, Y})_2\text{Si}_{12}\text{O}_{30}$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 583
- D Daschkesanit . . . . .  $(\text{Na, K})\text{Ca}_2(\text{Fe, Mg})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH, Cl})_2$   
 American Mineralogist 63 (1978), 1023
- D Dashkesanit . . . . .  $(\text{K, Na})\text{Ca}_2(\text{Fe, Mg})_5(\text{Si, Al})_8\text{O}_{22}(\text{Cl, OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Dashkessanit . . . . .  $(\text{Na, K})\text{Ca}_2(\text{Fe, Mg})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH, Cl})_2$

- American Mineralogist 63 (1978), 1023
- A Dashkovaite . . . . .  $\text{Mg}(\text{HCOO})_2 \cdot 2\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 129 (2000) (6), 49
- A Davanite . . . . .  $\text{K}_2\text{TiSi}_6\text{O}_{15}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 95
- A Davidite-(Ce) . . . . .  $(\text{Ce, La})(\text{Y, U})(\text{Ti, Fe}^{3+})_{20}\text{O}_{38}$   
American Mineralogist 51 (1966), 152
- A Davidite-(La) . . . . .  $(\text{La, Ce, Ca})(\text{Y, U})(\text{Ti, Fe}^{3+})_{20}\text{O}_{38}$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- R Davidite-(Y) . . . . .  $\text{Y}(\text{Ti, Fe})_{21}\text{O}_{38}$   
American Mineralogist 51 (1966), 152
- D Davisonite . . . . .  $\text{Ca, Al, PO}_4, \text{OH}$   
American Mineralogist 71 (1986), 1515
- D Dayingite . . . . .  $\text{Cu}(\text{Pt, Co})_2\text{S}_4$   
Mineralogical Magazine 43 (1980), 1055
- A Deanessmithite . . . . .  $\text{Hg}_2^{1+}\text{Hg}_3^{2+}\text{S}_2\text{OCrO}_4$   
Canadian Mineralogist 31 (1993), 787
- A Decrespignyite-(Y) . . . . .  $(\text{Y, REE})_4\text{Cu}(\text{CO}_3)_4\text{Cl}(\text{OH})_5 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 66 (2002), 181
- A Deerite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})_6(\text{Fe}^{3+}, \text{Al})_3(\text{Si}_6\text{O}_{17})\text{O}_3(\text{OH})_5$   
Mineralogical Society of America Annual Meeting, Program Abstracts (1964)
- A Defernite . . . . .  $\text{Ca}_6(\text{CO}_3, \text{SiO}_4)_2(\text{OH})_7$   
Bulletin de Minéralogie 103 (1980), 185
- D Dehrnite . . . . .  $\text{Ca}_5(\text{PO}_4, \text{CO}_3)_3\text{F}$   
Mineralogical Magazine 42 (1978), 282
- D Delatorreite . . . . .  $(\text{Mn, Mg, Ca, Ba, K, Na})_2\text{O}_4 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 262
- A Delhayelite . . . . .  $\text{K}_7\text{Na}_3\text{Ca}_5\text{Al}_2\text{Si}_{14}\text{O}_{38}\text{F}_4\text{Cl}_2$   
Mineralogical Magazine 33 (1962), 260
- A Deliensite . . . . .  $\text{Fe}^{2+}(\text{UO}_2)_2(\text{SO}_4)_2(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1021
- A Delindeite . . . . .  $(\text{Na, K, } \square)_3\text{Ba}_2\text{Ti}_3\text{Si}_4\text{O}_{14}(\text{O, OH, H}_2\text{O})_6$   
Mineralogical Magazine 51 (1987), 417
- A Dellaite . . . . .  $\text{Ca}_6(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})_2$   
Mineralogical Magazine 34 (1965), 1
- A Deloneite-(Ce) . . . . .  $\text{Na}(\text{Ca, Sr})_3\text{Ce}(\text{PO}_4)_3(\text{F, OH})$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 125 (1996) (5), 83
- D Delorenzite . . . . .  $(\text{Y, Ce, Ca})(\text{Ta, Nb, Ti})_2(\text{O, OH})_6$   
Mineralogical Magazine 33 (1962), 262
- A Deloryite . . . . .  $\text{Cu}_4(\text{UO}_2)\text{Mo}_2\text{O}_8(\text{OH})_6$   
Neues Jahrbuch für Mineralogie, Monatshefte (1992), 58
- A Delrioite . . . . .  $\text{SrCaV}_2^{5+}\text{O}_6(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 260
- D Deltaite . . . . .  $\text{Ca, Al, PO}_4, \text{OH}$   
Mineralogical Magazine 33 (1962), 262
- A Demesmaekerite . . . . .  $\text{Pb}_2\text{Cu}_5(\text{UO}_2)_2(\text{Se}^{4+}\text{O}_3)_6(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 88 (1965), 422
- A Denisovite . . . . .  $(\text{K, Na})\text{Ca}_5\text{Si}_3\text{O}_8(\text{F, OH})$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 718
- A Denningite . . . . .  $(\text{Ca, Mn})(\text{Mn}^{2+}, \text{Zn})\text{Te}_4^{4+}\text{O}_{10}$   
Mineralogical Magazine 36 (1967), 131

- A Derriksite . . . . .  $\text{Cu}_4(\text{UO}_2)(\text{Se}^{4+}\text{O}_3)_2(\text{OH})_6$   
Bulletin de la Société Française de Minéralogie et de Cristallographie **94** (1971),  
534
- R Dervillite . . . . .  $\text{Ag}_2\text{AsS}_2$   
Bulletin de Minéralogie **106** (1983), 519
- A Desautelsite . . . . .  $\text{Mg}_6\text{Mn}_2^{3+}\text{CO}_3(\text{OH})_{16} \cdot 4\text{H}_2\text{O}$   
American Mineralogist **64** (1979), 127
- D Desmine (of Breithaupt) . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_{13}\text{O}_{36} \cdot 14\text{H}_2\text{O}$   
Mineralogical Magazine **33** (1962), 263
- A Despujolsite . . . . .  $\text{Ca}_3\text{Mn}^{4+}(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie **91** (1968),  
43
- A Dessauite-(Y) . . . . .  $(\text{Sr}, \text{Pb})(\text{Y}, \text{U})(\text{Ti}, \text{Fe}^{3+})_{20}\text{O}_{38}$   
American Mineralogist **82** (1997), 807
- A Devilline . . . . .  $\text{CaCu}_4(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine **38** (1971), 104
- D Devillite . . . . .  $\text{CaCu}_4(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine **43** (1980), 1053
- D Deweylite . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
American Mineralogist **47** (1962), 811
- D Dhanrasite . . . . .  $\text{Mg}, \text{Al}, \text{Sn}, \text{Fe}, \text{Si}, \text{O}$   
Mineralogical Magazine **38** (1971), 103
- D Diaclasite . . . . .  $\text{Mg}, \text{Si}, \text{O}$   
Mineralogical Magazine **52** (1988), 535
- D Diagonite . . . . .  $(\text{Sr}, \text{Ba}, \text{Ca})\text{Al}_2\text{Si}_6\text{O}_{16} \cdot 5\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), 1571
- D Diallage . . . . .  $\text{Ca}, \text{Mg}, \text{Si}, \text{O}$   
Mineralogical Magazine **52** (1988), 535
- D Dialogite . . . . .  $\text{MnCO}_3$   
Mineralogical Magazine **43** (1980), 1053
- A Diaoyudaoite . . . . .  $\text{NaAl}_{11}\text{O}_{17}$   
Acta Mineralogica Sinica (in Chinese) **6** (3) (1986), 224
- D Diastatite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63** (1978), 1023
- A Dickthomssenite . . . . .  $\text{MgV}_2\text{O}_6 \cdot 7\text{H}_2\text{O}$   
Canadian Mineralogist **39** (2001), 1691
- D Didrimite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36** (1998), 905
- D Didymite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36** (1998), 905
- D Didymolite . . . . .  $(\text{Na}, \text{Ca})(\text{Si}, \text{Al})_4\text{O}_8$   
American Mineralogist **50** (1965), 2111
- A Digenite . . . . .  $\text{Cu}_{1.8}\text{S}$   
Mineralogical Magazine **33** (1962), 262
- D Dillnite . . . . .  $\text{Al}_{13}\text{Si}_5\text{O}_{20}(\text{OH}, \text{F})_{18}\text{Cl}$   
American Mineralogist **46** (1961), 629
- A Diomignite . . . . .  $\text{Li}_2\text{B}_4\text{O}_7$   
Canadian Mineralogist **25** (1987), 173
- A Diopside . . . . .  $\text{CaMgSi}_2\text{O}_6$   
Mineralogical Magazine **52** (1988), 535
- D Diopsidjadeite . . . . .  $(\text{Ca}, \text{Na})(\text{Mg}, \text{Fe}, \text{Al})(\text{SiO}_3)_2$   
Mineralogical Magazine **52** (1988), 535

- D Diphanite . . . . .  $\text{CaAl}_4\text{Si}_2\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Dissakisite-(Ce) . . . . .  $\text{Ca}(\text{Ce}, \text{La})\text{MgAl}_2(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{O}, \text{OH})_2$   
American Mineralogist 76 (1991), 1990
- D Disterrite . . . . .  $\text{CaMg}_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Disthène . . . . .  $\text{Al}_2\text{SiO}_5$   
American Mineralogist 72 (1987), 1031
- A Diversilite-(Ce) . . . . .  $\text{Na}_2(\text{Ba}, \text{K})_6\text{Ce}_2\text{Fe}^{2+}\text{Ti}_3\text{Si}_{12}\text{O}_{36}(\text{OH}, \text{H}_2\text{O})_{12}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (5), 40
- D Dixeyite . . . . .  $\text{Al}, \text{Si}, \text{O}, \text{OH}$   
Mineralogical Magazine 33 (1962), 261
- D Djalmaite . . . . .  $(\text{U}, \text{Ca}, \text{Ce})_2(\text{Ta}, \text{Nb})_2\text{O}_6(\text{OH}, \text{F})$   
American Mineralogist 62 (1977), 403
- A Djerfisherite . . . . .  $\text{K}_6(\text{Na}, \text{Li})(\text{Fe}, \text{Cu}, \text{Ni})_{24}\text{S}_{26}\text{Cl}$   
Science 153 (1966), 166
- A Djurleite . . . . .  $\text{Cu}_{31}\text{S}_{16}$   
Mineralogical Magazine 36 (1967), 131
- A Dmisteinbergite . . . . .  $\text{CaAl}_2\text{Si}_2\text{O}_8$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 119 (5) (1990), 43
- D Dollanite . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- R Dollaseite-(Ce) . . . . .  $\text{Ca}(\text{Ce}, \text{La}, \text{Nd})\text{Mg}_2\text{Al}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})\text{F}$   
American Mineralogist 73 (1988), 838
- D Donathite . . . . .  $(\text{Fe}, \text{Mg})(\text{Cr}, \text{Fe})_2\text{O}_4$   
Neues Jahrbuch für Mineralogie, Monatshefte (1997), 163
- A Donharrisite . . . . .  $\text{Ni}_8\text{Hg}_3\text{S}_9$   
Canadian Mineralogist 27 (1989), 257
- A Donnayite-(Y) . . . . .  $\text{NaSr}_3\text{CaY}(\text{CO}_3)_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 16 (1978), 335
- A Donpeacorite . . . . .  $(\text{Mn}^{2+}, \text{Mg})\text{Mg}(\text{SiO}_3)_2$   
American Mineralogist 69 (1984), 472
- A Dorallcharite . . . . .  $(\text{Tl}, \text{K})\text{Fe}_3^{3+}(\text{SO}_4)_2(\text{OH})_6$   
European Journal of Mineralogy 6 (1994), 255
- D Doranite . . . . .  $\text{Na}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Dorfmanite . . . . .  $\text{Na}_2(\text{PO}_3\text{OH}) \cdot 2\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 211
- A Dorrite . . . . .  $\text{CaMgFe}_2^{3+}\text{Al}_2\text{SiO}_{10}$   
American Mineralogist 73 (1988), 1440
- D Dosulite . . . . .  $\text{Mn}, \text{O}$   
Mineralogical Magazine 43 (1980), 1055
- D Doverite . . . . .  $\text{Ca}(\text{Y}, \text{Ce})(\text{CO}_3)_2\text{F}$   
Mineralogical Magazine 33 (1962), 261
- A Downeyite . . . . .  $\text{SeO}_2$   
American Mineralogist 62 (1977), 316
- A Doyleite . . . . .  $\text{Al}(\text{OH})_3$   
Canadian Mineralogist 23 (1985), 21
- A Dozyite . . . . .  $(\text{Mg}, \text{Al}, \text{Fe}^{2+})_9(\text{Si}, \text{Al})_6\text{O}_{15}(\text{OH})_{12}$   
American Mineralogist 80 (1995), 65
- A Dresserite . . . . .  $\text{Ba}_2\text{Al}_4(\text{CO}_3)_4(\text{OH})_8 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 10 (1969), 84

- A Dreyerite . . . . .  $\text{BiVO}_4$   
Neues Jahrbuch für Mineralogie, Monatshefte (1981), 151
- D Droogmansite . . . . .  $\text{PbUO}_2\text{SiO}_4 \cdot \text{H}_2\text{O}$   
Bulletin de Minéralogie 101 (1978), 56
- A Drugmanite . . . . .  $\text{Pb}_2(\text{Fe}^{3+}, \text{Al})(\text{PO}_4)(\text{PO}_3\text{OH})(\text{OH})_2$   
Mineralogical Magazine 43 (1979), 463
- A Drysdallite . . . . .  $\text{Mo}(\text{Se}, \text{S})_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1973), 433
- D Dudleyite . . . . .  $\text{Na}, \text{Mg}, \text{Al}, \text{Fe}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 36 (1998), 905
- A Dugganite . . . . .  $\text{Pb}_3(\text{Zn}, \text{Cu})_3(\text{TeO}_6)(\text{AsO}_4)_2$   
American Mineralogist 63 (1978), 1016
- D Duhamelite . . . . .  $(\text{Pb}, \text{Bi}, \text{Ca})\text{CuVO}_4(\text{OH})$   
Neues Jahrbuch für Mineralogie, Monatshefte (2003), 75
- A Dukeite . . . . .  $\text{Bi}_{24}^{3+}\text{Cl}_8^{6+}\text{O}_{57}(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 85 (2000), 1822
- A Duranusite . . . . .  $\text{As}_4\text{S}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 96 (1973), 131
- A Dusmatovite . . . . .  $\text{K}(\text{K}, \text{Na}, \square)_2(\text{Mn}, \text{Zr}, \text{Y})_2(\text{Zn}, \text{Li})_3\text{Si}_{12}\text{O}_{30}$   
Vestnik Moskovskogo Universiteta, Geologiya ser. ser. 4, 51 (1996) (2), 54
- A Dwornikite . . . . .  $(\text{Ni}, \text{Fe})\text{SO}_4 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 46 (1982), 351
- A Dypingite . . . . .  $\text{Mg}_5(\text{CO}_3)_4(\text{OH})_2 \cdot 5\text{H}_2\text{O}$   
American Mineralogist 55 (1970), 1457
- D Dysintribite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Dzhalindite . . . . .  $\text{In}(\text{OH})_3$   
Mineralogical Magazine 36 (1967), 131
- A Dzharkenite . . . . .  $\text{FeSe}_2$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 124 (1995) (1), 85
- D Dzhezkazganite . . . . .  $\text{ReMoCu}_2\text{PbS}_6$   
Mineralogical Magazine 36 (1967), 133
- A Eakerite . . . . .  $\text{Ca}_2\text{Sn}^{4+}\text{Al}_2\text{Si}_6\text{O}_{18}(\text{OH})_2 \cdot 2\text{H}_2\text{O}$   
Mineralogical Record 1 (1970), 92
- D Eardleyite . . . . .  $\text{Ni}_6\text{Al}_2(\text{OH})_{16}(\text{CO}_3, \text{OH}) \cdot 4\text{H}_2\text{O}$   
American Mineralogist 62 (1977), 458
- A Earlshannonite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})\text{Fe}_2^{3+}(\text{PO}_4)_2(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 22 (1984), 471
- R Eastonite . . . . .  $\text{KAlMg}_2(\text{Si}_2\text{Al}_2)\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ebelmenite . . . . .  $\text{KMn}_8\text{O}_{16}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 92 (1969), 521
- A Ecandrewsite . . . . .  $(\text{Zn}, \text{Fe}^{2+}, \text{Mn}^{2+})\text{TiO}_3$   
Mineralogical Magazine 52 (1988), 237
- D Echellite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Eckermannite . . . . .  $(\text{Na}, \square)_3(\text{Mg}, \text{Fe}^{2+}, \text{Al})_5\text{Si}_8\text{O}_{22}(\text{OH}, \text{F})_2$   
Canadian Mineralogist 35 (1997), 219
- D Eckrite . . . . .  $\text{NaCa}(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023

- A Eclarite . . . . . (Cu, Fe)Pb<sub>9</sub>Bi<sub>12</sub>S<sub>28</sub>  
*Tschermaks Mineralogische und Petrographische Mitteilungen* **32 (1984), 103**
- A Edenharterite . . . . . TlPbAs<sub>3</sub>S<sub>6</sub>  
*European Journal of Mineralogy* **4 (1992), 1265**
- A Edenite . . . . . NaCa<sub>2</sub>(Mg, Fe<sup>2+</sup>, Mn<sup>2+</sup>)<sub>5</sub>(Si<sub>7</sub>Al)O<sub>22</sub>(OH)<sub>2</sub>  
*Canadian Mineralogist* **35 (1997), 219**
- D Edenitic hornblende . . . . . NaCa<sub>2</sub>(Mg, Fe, Mn)<sub>5</sub>(Si<sub>7</sub>Al)O<sub>22</sub>(OH)<sub>2</sub>  
*Canadian Mineralogist* **35 (1997), 219**
- A Edgarbaileyite . . . . . Hg<sub>6</sub><sup>1+</sup>Si<sub>2</sub>O<sub>7</sub>  
*Mineralogical Record* **21 (1990), 215**
- A Edgarite . . . . . FeNb<sub>3</sub>S<sub>6</sub>  
*Contributions to Mineralogy and Petrology* **138 (2000), 229**
- A Edingtonite . . . . . Ba(Si<sub>3</sub>Al<sub>2</sub>)O<sub>10</sub>•4H<sub>2</sub>O  
*Canadian Mineralogist* **35 919970, 1571**
- A Edoylerite . . . . . Hg<sub>3</sub><sup>2+</sup>(Cr<sup>6+</sup>O<sub>4</sub>)S<sub>2</sub>  
*Mineralogical Record* **24 (1993), 471**
- A Effenbergerite . . . . . BaCuSi<sub>4</sub>O<sub>10</sub>  
*Mineralogical Magazine* **58 (1994), 663**
- D Efflorescing zeolite . . . . . CaAl<sub>2</sub>Si<sub>4</sub>O<sub>12</sub>•4H<sub>2</sub>O  
*Canadian Mineralogist* **35 (1997), 1571**
- A Efremovite . . . . . (NH<sub>4</sub>)<sub>2</sub>Mg<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>  
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **118(3) (1989), 84**
- A Eggletonite . . . . . Na<sub>2</sub>Mn<sub>8</sub>(Si, Al)<sub>12</sub>O<sub>29</sub>(OH)<sub>7</sub>•11H<sub>2</sub>O  
*Mineralogical Magazine* **48 (1984), 93**
- D Eggonite . . . . . ScPO<sub>4</sub>•2H<sub>2</sub>O  
*American Mineralogist* **72 (1987), 1031**
- A Ehrleite . . . . . Ca<sub>2</sub>ZnBe(PO<sub>4</sub>)<sub>2</sub>(PO<sub>3</sub>OH)•4H<sub>2</sub>O  
*Canadian Mineralogist* **23 (1985), 507**
- A Eifelite . . . . . KNa<sub>2</sub>Mg<sub>4.5</sub>Si<sub>12</sub>O<sub>30</sub>  
*Contributions to Mineralogy and Petrology* **82 (1980), 252**
- D Eisennatrolith . . . . . Na<sub>2</sub>(Al<sub>2</sub>Si<sub>3</sub>)O<sub>10</sub>•2H<sub>2</sub>O  
*Canadian Mineralogist* **35 (1997), 1571**
- D Eisenrichterite . . . . . Na<sub>2</sub>CaFe<sub>5</sub><sup>2+</sup>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
*American Mineralogist* **63 (1978), 1023**
- A Ekanite . . . . . Ca<sub>2</sub>ThSi<sub>8</sub>O<sub>20</sub>  
*Mineralogical Magazine* **36 (1967), 131**
- A Ekaterinite . . . . . Ca<sub>2</sub>B<sub>4</sub>O<sub>7</sub>(Cl, OH)<sub>2</sub>•2H<sub>2</sub>O  
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109 (1980), 469**
- A Ekatite . . . . . (Fe<sup>3+</sup>, Fe<sup>2+</sup>, Zn)<sub>12</sub>(AsO<sub>3</sub>)<sub>6</sub>(AsO<sub>3</sub>, HOSiO<sub>3</sub>)<sub>2</sub>(OH)<sub>6</sub>  
*European Journal of Mineralogy* **13 (2001), 769**
- D Ekmanite . . . . . (Fe, Mg, Mn)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>•2H<sub>2</sub>O  
*Canadian Mineralogist* **36 (1998), 905**
- D Ektropite . . . . . (Mn, Mg)<sub>3</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub>  
*American Mineralogist* **49 (1964), 446**
- D Ellagite . . . . . Na, Al, Fe, Si, O, H<sub>2</sub>O  
*Canadian Mineralogist* **35 (1997), 1571**
- A Ellenbergerite . . . . . Mg<sub>6</sub>(Mg, Ti, Zr, □)<sub>2</sub>(Al, Mg)<sub>6</sub>Si<sub>8</sub>O<sub>28</sub>(OH)<sub>10</sub>  
*Contributions to Mineralogy and Petrology* **92 (1986), 316**
- A Ellisite . . . . . Tl<sub>3</sub>AsS<sub>3</sub>  
*American Mineralogist* **64 (1979), 701**
- D Ellsworthite . . . . . (U, Ca, Ce)<sub>2</sub>(Nb, Ta)<sub>2</sub>O<sub>6</sub>(OH, F)  
*American Mineralogist* **62 (1977), 403**



- D Ellweilerite . . . . . (Ca, Na)(UO<sub>2</sub>)<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub> • 10H<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 261
- D Elroquite . . . . . Al, Fe, Si, PO<sub>4</sub>  
 Canadian Mineralogist 7 (1963), 676
- A Elyite . . . . . CuPb<sub>4</sub>O<sub>2</sub>SO<sub>4</sub>(OH)<sub>4</sub> • H<sub>2</sub>O  
 American Mineralogist 57 (1972), 364
- A Embreyite . . . . . Pb<sub>5</sub>(CrO<sub>4</sub>)<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub> • H<sub>2</sub>O  
 Mineralogical Magazine 38 (1972), 790
- A Emeleusite . . . . . Na<sub>2</sub>LiFe<sup>3+</sup>Si<sub>6</sub>O<sub>15</sub>  
 Mineralogical Magazine 42 (1978), 31
- D Emerylite . . . . . CaAl<sub>4</sub>Si<sub>2</sub>O<sub>10</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 36 (1998), 905
- A Emilite . . . . . Cu<sub>10.7</sub>Pb<sub>10.7</sub>Bi<sub>21.3</sub>S<sub>48</sub>  
 Canadian Mineralogist 40 (2002), 239
- R Empressite . . . . . AgTe  
 American Mineralogist 49 (1964), 325
- D Endeiolite . . . . . Na, Ca, Ce, Nb, Si, Zr, O, OH  
 American Mineralogist 62 (1977), 403
- D Endiopsidite . . . . . (Ca, Mg)(SiO<sub>3</sub>)<sub>2</sub>  
 Mineralogical Magazine 52 (1988), 535
- A Enstatite . . . . . (Mg, Fe)SiO<sub>3</sub>  
 Mineralogical Magazine 52 (1988), 535
- D Enstatite-diopsidite . . . . . (Ca, Mg)(SiO<sub>3</sub>)<sub>2</sub>  
 Mineralogical Magazine 52 (1988), 535
- A Ephesite . . . . . NaLiAl<sub>2</sub>(Si<sub>2</sub>Al<sub>2</sub>)O<sub>10</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 36 (1998), 905
- D Epichlorite . . . . . Mg, Fe, Al, Si, O (?)  
 Canadian Mineralogist 36 (1998), 905
- D Epidesminkite . . . . . CaAl<sub>2</sub>Si<sub>7</sub>O<sub>18</sub> • 7H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Epigenite . . . . . Cu, Fe, As, S  
 Mineralogical Magazine 47 (1983), 411
- D Epilanthinite . . . . . UO<sub>3</sub> • 2H<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 262
- D Epileucite . . . . . K, Al, Si, O (?)  
 Canadian Mineralogist 36 (1998), 905
- D Epinatrolite . . . . . Na<sub>2</sub>(Al<sub>2</sub>Si<sub>3</sub>)O<sub>10</sub> • 2H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Episericite . . . . . K, Al, Si, O (?)  
 Canadian Mineralogist 36 (1998), 905
- A Epistilbite . . . . . Ca<sub>3</sub>(Si<sub>18</sub>Al<sub>6</sub>)O<sub>48</sub> • 16H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Ercinite (of Napione) . . . . . (Ba, K)<sub>2</sub>(Si, Al)<sub>8</sub>O<sub>16</sub> • 6H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Ercitite . . . . . NaMn<sup>3+</sup>PO<sub>4</sub>(OH) • 2H<sub>2</sub>O  
 Canadian Mineralogist 38 (2000), 893
- A Erdite . . . . . NaFeS<sub>2</sub> • 2H<sub>2</sub>O  
 American Mineralogist 65 (1980), 509
- A Ericssonite . . . . . BaFe<sup>3+</sup>Mn<sub>2</sub><sup>2+</sup>O(Si<sub>2</sub>O<sub>7</sub>)(OH)  
 Lithos 4 (1971), 137
- A Erionite-Ca . . . . . (Ca, K, Na)<sub>5.6</sub>(Si, Al)<sub>36</sub>O<sub>72</sub> • 32H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571

- A Erionite-K . . . . . (K, Na, Ca)<sub>6.7</sub>(Si, Al)<sub>36</sub>O<sub>72</sub> • 32H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- R Erionite-Na . . . . . (Na, K, Ca)<sub>8</sub>(Si, Al)<sub>36</sub>O<sub>72</sub> • 32H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Erlanite . . . . . Fe<sub>4</sub><sup>2+</sup>Fe<sub>2</sub><sup>3+</sup>Si<sub>6</sub>O<sub>15</sub>(OH, O)<sub>8</sub>  
Mineralogical Magazine 50 (1986), 285
- A Erlichmanite . . . . . OsS<sub>2</sub>  
American Mineralogist 56 (1971), 1501
- A Ernienickelite . . . . . NiMn<sub>3</sub><sup>4+</sup>O<sub>7</sub> • 3H<sub>2</sub>O  
Canadian Mineralogist 32 (1994), 333
- A Erniggliite . . . . . Tl<sub>2</sub>SnAs<sub>2</sub>S<sub>6</sub>  
Schweizerische Mineralogische und Petrographische Mitteilungen 72 (1992), 293
- A Ernstite . . . . . (Mn<sup>2+</sup>, Fe<sup>3+</sup>)AlPO<sub>4</sub>(OH, O)<sub>2</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1970), 289
- A Ershovite . . . . . K<sub>3</sub>Na<sub>4</sub>(Fe, Mn, Ti)<sub>2</sub>Si<sub>8</sub>O<sub>20</sub>(OH)<sub>4</sub> • 4H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 122 (1993) (1), 116
- A Ertxiite . . . . . Na<sub>2</sub>Si<sub>4</sub>O<sub>9</sub>  
Geochemistry (China) 4 (1985), 192
- D Erubescite . . . . . Cu<sub>5</sub>FeS<sub>4</sub>  
Mineralogical Magazine 33 (1962), 262
- A Eskimoite . . . . . Ag<sub>7</sub>Pb<sub>10</sub>Bi<sub>15</sub>S<sub>36</sub>  
Neues Jahrbuch für Mineralogie, Abhandlungen 131 (1977), 56
- A Esperanzaite . . . . . NaCa<sub>2</sub>Al<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>F<sub>4</sub>(OH) • 2H<sub>2</sub>O  
Canadian Mineralogist 37 (1999), 67
- A Esperite . . . . . Ca<sub>3</sub>PbZn<sub>4</sub>(SiO<sub>4</sub>)<sub>4</sub>  
American Mineralogist 50 (1965), 1170
- A Esseneite . . . . . CaFe<sup>3+</sup>AlSiO<sub>6</sub>  
American Mineralogist 72 (1987), 148
- A Ettringite . . . . . Ca<sub>6</sub>Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>(OH)<sub>12</sub> • 26H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 262
- D Euchlorite . . . . . K(Mg, Fe)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Eudialyte . . . . . Na<sub>15</sub>Ca<sub>6</sub>Fe<sub>3</sub>Zr<sub>3</sub>Si(Si<sub>25</sub>O<sub>73</sub>)(O, OH, H<sub>2</sub>O)<sub>3</sub>(Cl, OH)<sub>2</sub>  
Canadian Mineralogist 41 (2003), 785
- D Eudnophite . . . . . NaAlSi<sub>2</sub>O<sub>6</sub> • H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Eugenite . . . . . Ag<sub>11</sub>Hg<sub>2</sub>  
Mineralogia Polonica ( in Polish) 17 (2) (1986), 3
- A Eugsterite . . . . . Na<sub>4</sub>Ca(SO<sub>4</sub>)<sub>3</sub> • 2H<sub>2</sub>O  
American Mineralogist 66 (1981), 632
- D Eukamptite . . . . . Mg, K, Al, Si, O  
Canadian Mineralogist 36 (1988), 905
- D Eulite . . . . . Fe<sup>2+</sup>SiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- D Eulysite . . . . . Fe<sup>2+</sup>SiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- D Euphyllite . . . . . K, Al, Si, O (?)  
Canadian Mineralogist 36 (1988), 905
- D Euthalite . . . . . NaAlSi<sub>2</sub>O<sub>6</sub> • H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Euthallite . . . . . NaAlSi<sub>2</sub>O<sub>6</sub> • H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571

- A Euxenite-(Y) . . . . . (Y, Ca, Ce, U, Th)(Nb, Ta, Ti)<sub>2</sub>O<sub>6</sub>  
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Euzeolith . . . . . (Na, Ca)<sub>3</sub>(Si, Al)<sub>18</sub>O<sub>36</sub> • 12H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Eveite . . . . . Mn<sub>2</sub><sup>2+</sup>AsO<sub>4</sub>(OH)  
 Arkiv för Mineralogi och Geologi 4 (1968), 473
- A Eveslogite . . . . . (Ca, K, Na, Sr, Ba)<sub>48</sub>(Ti, Nb, Fe, Mn)<sub>12</sub>Si<sub>48</sub>O<sub>144</sub>(OH, F, Cl)<sub>14</sub>  
 Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (1), 59
- A Ewaldite . . . . . Ba(Na, Ca, Y, Ce, K)(CO<sub>3</sub>)<sub>2</sub> • 2.6H<sub>2</sub>O  
 Tschermaks Mineralogische und Petrographische Mitteilungen 15 (1971), 185
- D Exitèle . . . . . Sb<sub>2</sub>O<sub>3</sub>  
 Mineralogical Magazine 33 (1962), 263
- D Exitélite . . . . . Sb<sub>2</sub>O<sub>3</sub>  
 Mineralogical Magazine 43 (1980), 1053
- A Eylettersite . . . . . (Th, Pb)<sub>1-x</sub>Al<sub>3</sub>(PO<sub>4</sub>, SiO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub> (?)  
 Bulletin de la Société Française de Minéralogie et de Cristallographie 95 (1972), 98
- A Eztlite . . . . . Pb<sub>2</sub>Fe<sub>6</sub><sup>3+</sup>(Te<sup>4+</sup>O<sub>3</sub>)<sub>3</sub>(Te<sup>6+</sup>O<sub>6</sub>)(OH)<sub>10</sub> • 8H<sub>2</sub>O  
 Mineralogical Magazine 46 (1982), 257
- A Fabianite . . . . . CaB<sub>3</sub>O<sub>5</sub>(OH)  
 Mineralogical Magazine 36 (1967), 131
- A Fahleite . . . . . CaZn<sub>5</sub>Fe<sub>2</sub><sup>3+</sup>(AsO<sub>4</sub>)<sub>6</sub> • 14H<sub>2</sub>O  
 Neues Jahrbuch für Mineralogie, Monatshefte (1988), 167
- D Fahlerz . . . . . (Cu, Fe)<sub>12</sub>Sb<sub>4</sub>S<sub>13</sub>  
 Mineralogical Magazine 43 (1980), 1053
- A Fairbankite . . . . . PbTe<sup>4+</sup>O<sub>3</sub>  
 Mineralogical Magazine 43 (1979), 453
- D Fairbanksite . . . . .  
 Mineralogical Magazine 36 (1968), 1144
- A Falcondoite . . . . . (Ni, Mg)<sub>4</sub>Si<sub>6</sub>O<sub>15</sub>(OH)<sub>2</sub> • 6H<sub>2</sub>O  
 Canadian Mineralogist 14 (1976), 407
- D Falkensteinite . . . . . Na<sub>5</sub>K<sub>5</sub>Mg<sub>6</sub>Al<sub>26</sub>Si<sub>55</sub>O<sub>160</sub> • 13H<sub>2</sub>O (?)  
 Canadian Mineralogist 35 (1997), 1571
- A Fangite . . . . . Tl<sub>3</sub>AsS<sub>4</sub>  
 American Mineralogist 78 (1993), 1096
- D Fargite . . . . . Na<sub>2</sub>(Al<sub>2</sub>Si<sub>3</sub>)O<sub>10</sub> • 2H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Faröelite . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub> • 6H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Farringtonite . . . . . Mg<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>  
 Mineralogical Magazine 36 (1967), 131
- D Fasciculite . . . . . Ca<sub>2</sub>(Mg, Fe, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- D Fassaite (of Dolomieu) . . . . . Na, Ca, Al, Si, O, H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Fassaite (of Werner) . . . . . Ca(Fe, Mg)(SiO<sub>3</sub>)<sub>2</sub>  
 Mineralogical Magazine 52 (1988), 535
- A Faujasite-Ca . . . . . (Ca, Na, Mg)<sub>5</sub>(Si, Al)<sub>12</sub>O<sub>24</sub> • 15H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Faujasite-Mg . . . . . (Mg, Na, K, Ca)<sub>5</sub>(Si, Al)<sub>12</sub>O<sub>24</sub> • 15H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- R Faujasite-Na . . . . . (Na, Ca, Mg)<sub>5</sub>(Si, Al)<sub>12</sub>O<sub>24</sub> • 15H<sub>2</sub>O

- Canadian Mineralogist 35 (1997), 1571
- A Fedorite . . . . . (K, Na)<sub>2.5</sub>(Ca, Na)<sub>7</sub>Si<sub>16</sub>O<sub>38</sub>(OH, F)<sub>2</sub>•3.5H<sub>2</sub>O  
Mineralogical Magazine 36 (1968), 1144
- D Fedorovite . . . . . CaMg(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Fedorovskite . . . . . Ca<sub>2</sub>(Mg, Mn)<sub>2</sub>B<sub>4</sub>O<sub>7</sub>(OH)<sub>6</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 105 (1976), 71
- A Fedotovite . . . . . K<sub>2</sub>Cu<sub>3</sub>O(SO<sub>4</sub>)<sub>3</sub>  
Doklady Akademiia Nauk, SSSR (USSR) 299 (1988), 961
- A Feinglosite . . . . . Pb<sub>2</sub>(Zn, Fe<sup>2+</sup>)(AsO<sub>4</sub>, SO<sub>4</sub>)<sub>2</sub>(OH, H<sub>2</sub>O)  
Mineralogical Magazine 61 (1997), 285
- A Feitknechtite . . . . . Mn<sup>3+</sup>O(OH)  
Mineralogical Magazine 36 (1968), 1144
- A Feklichevite . . . . . Na<sub>11</sub>Ca<sub>9</sub>(Fe<sup>3+</sup>, Fe<sup>2+</sup>)<sub>2</sub>Zr<sub>3</sub>Nb(Si<sub>25</sub>O<sub>73</sub>)(OH, H<sub>2</sub>O, Cl, O)<sub>5</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 130 (2001) (3), 55
- A Felbertalite . . . . . Cu<sub>2</sub>Pb<sub>6</sub>Bi<sub>8</sub>S<sub>19</sub>  
European Journal of Mineralogy 13 (2001), 961
- g Feldspar . . . . .  
Mineralogical Magazine 33 (1962), 262
- D Feldspath . . . . . (K, Na, Ca)(Si, Al)<sub>4</sub>O<sub>8</sub>  
Mineralogical Magazine 43 (1980), 1053
- D Felspar . . . . . (K, Na, Ca)(Si, Al)<sub>4</sub>O<sub>8</sub>  
Mineralogical Magazine 43 (1980), 1053
- D Femaghastingsite . . . . . NaCa<sub>2</sub>(Mg, Fe)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Femolite . . . . . (Mo, Fe)S<sub>2</sub>  
Mineralogical Magazine 36 (1967), 133
- A Fenaksite . . . . . KNaFe<sup>2+</sup>Si<sub>4</sub>O<sub>10</sub>  
Mineralogical Magazine 33 (1962), 261
- A Fencooperite . . . . . Ba<sub>6</sub>Fe<sub>3</sub><sup>3+</sup>Si<sub>8</sub>O<sub>23</sub>(CO<sub>3</sub>)<sub>2</sub>Cl<sub>3</sub>•H<sub>2</sub>O  
Canadian Mineralogist 39 (2001), 1059
- D Fenghuanglite . . . . . (Ce, Th)<sub>5</sub>(SiO<sub>4</sub>, PO<sub>4</sub>)<sub>3</sub>(OH, F)  
Mineralogical Magazine 33 (1962), 261
- D Fengluanite . . . . . Pb, Sb, As  
American Mineralogist 65 (1980), 408
- D Feranthophyllite . . . . . (Fe, Mg)<sub>7</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Ferchromide . . . . . Cr<sub>1.5</sub>Fe<sub>0.2</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 115 (1986), 355
- A β-Fergusonite-(Ce) . . . . . (Ce, La, Nd)NbO<sub>4</sub>  
American Mineralogist 60 (1975), 485
- A β-Fergusonite-(Nd) . . . . . (Nd, Ce)NbO<sub>4</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Fergusonite-(Y) . . . . . YNbO<sub>4</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A β-Fergusonite-(Y) . . . . . YNbO<sub>4</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- R Fernandinite . . . . . (Ca, Na, K)<sub>0.9</sub>(V<sup>5+</sup>, V<sup>4+</sup>, Fe<sup>2+</sup>, Ti)<sub>8</sub>O<sub>20</sub>•4H<sub>2</sub>O  
Canadian Mineralogist 32 (1994), 339
- A Feroxyhyte . . . . . Fe<sup>3+</sup>O(OH)  
Izvestiya Akademiya Nauk SSSR (in Russian) Ser. Geol. (1976) (5), 5

- A Ferrarisite . . . . .  $\text{Ca}_5(\text{AsO}_3\text{OH})_2(\text{AsO}_4)_2 \cdot 9\text{H}_2\text{O}$   
 Bulletin de Minéralogie 103 (1980), 533
- D Ferrazite . . . . .  $(\text{Pb}, \text{Ba})_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O} (?)$   
 Mineralogical Magazine 60 (1996), 841
- A Ferriallanite-(Ce) . . . . .  $\text{CaCe}(\text{Fe}^{3+}, \text{Fe}^{2+}, \text{Al})_3(\text{SiO}_4)(\text{Si}_2\text{O}_7)\text{O}(\text{OH})$   
 Canadian Mineralogist 40 (2002), 1641
- D Ferriannite . . . . .  $\text{K}(\text{Fe}^{2+}, \text{Mg})_3(\text{Si}, \text{Fe}^{3+})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Ferriannite . . . . .  $\text{KFe}_3^{3+}(\text{Si}, \text{Fe}^{3+})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Ferrian pargasite . . . . .  $\text{Na}(\text{Ca}, \text{Na})_2(\text{Mg}, \text{Fe}, \text{Mn})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- R Ferribarroisite . . . . .  $\square\text{NaCaMg}_3\text{Fe}_2^{3+}(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Ferribiotite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Ferric-ferrybyöite . . . . .  $\text{Na}_3(\text{Fe}^{2+}, \text{Fe}^{3+}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH}, \text{F})_2$   
 Canadian Mineralogist 35 (1997), 219
- A Ferri-clinoferroholmquistite . . . . .  $\square\text{Li}_2(\text{Fe}^{3+}, \text{Fe}^{2+}, \text{Mg}, \text{Al})_2\text{Si}_8\text{O}_{22}(\text{OH}, \text{F})_2$   
 Canadian Mineralogist 35 (1997), 219
- A Ferri-clinoholmquistite . . . . .  $\square\text{Li}_2(\text{Fe}^{2+}, \text{Mg})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH}, \text{F})_2$   
 American Mineralogist 83 (1998), 167
- A Ferric-nyböite . . . . .  $\text{Na}_3(\text{Mg}, \text{Al}, \text{Fe}^{3+})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH}, \text{F})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Ferridravite . . . . .  $(\text{Na}, \text{K})(\text{Fe}^{3+}, \text{Mg})_3\text{Fe}_6^{3+}(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{O}, \text{OH})_4$   
 American Mineralogist 78 (1993), 433
- D Ferriedenite . . . . .  $\text{NaCa}_2\text{Fe}_5^{2+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- A Ferrierite-K . . . . .  $(\text{K}, \text{Na}, \text{Mg})_{4.4}(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 20\text{H}_2\text{O}$   
 Mineralogical Magazine 62 (1998), 533
- R Ferrierite-Mg . . . . .  $(\text{Mg}, \text{K}, \text{Ca})_{4.4}(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 20\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Ferrierite-Na . . . . .  $(\text{Na}, \text{K})\text{Mg}_2\text{Ca}_{0.5}(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 20\text{H}_2\text{O}$   
 Mineralogical Magazine 62 (1998), 533
- A Ferri-ferrobarroisite . . . . .  $\text{NaCaFe}_3^{2+}\text{Fe}_2^{3+}(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- A Ferri-ferrotschermakite . . . . .  $\square\text{Ca}_2\text{Fe}_3^{2+}\text{Fe}_2^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Ferriglaucophane . . . . .  $\text{Na}_2(\text{Mg}, \text{Fe}^{2+}, \text{Fe}^{3+})(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Ferrihedrite . . . . .  $(\text{Mg}, \text{Fe})_5\text{Al}_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- A Ferrihydrite . . . . .  $\text{Fe}_{4-5}^{3+}(\text{OH}, \text{O})_{12}$   
 American Mineralogist 60 (1975), 485
- A Ferri-katophorite . . . . .  $\text{Na}_2\text{Ca}(\text{Fe}^{2+}, \text{Mg})_4\text{Fe}^{3+}(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- A Ferrilotharmeyerite . . . . .  $\text{Ca}(\text{Zn}, \text{Cu})(\text{Fe}^{3+}, \text{Zn})(\text{AsO}_3\text{OH})_2(\text{OH}, \text{H}_2\text{O})_2$   
 Canadian Mineralogist 30 (1992), 225
- A Ferri-magnesirotaramite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe}^{2+})_3(\text{Fe}^{3+}, \text{Al})_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Ferrimuscovite . . . . .  $\text{K}, \text{Fe}, \text{Al}, \text{Si}, \text{O} (?)$   
 Canadian Mineralogist 36 (1998), 905

- A Ferripedrizite . . . . .  $\text{NaLi}_2[\text{Fe}_2^{3+}\text{Mg}_2\text{Li}]\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 87 (2002), 976
- D Ferri-phengite . . . . .  $\text{K}(\text{Al}, \text{Fe})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ferriphlogopite . . . . .  $\text{KMg}_3(\text{Si}_3\text{Fe}^{3+})\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ferripumpellyite . . . . .  $\text{Ca}_2\text{Mg}(\text{Fe}^{3+}, \text{Al})_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- A Ferripyrophyllite . . . . .  $\text{Fe}^{3+}\text{Si}_2\text{O}_5(\text{OH})$   
Chemie der Erde 38 (1979), 324
- D Ferririchterite . . . . .  $\text{Na}_3(\text{Mg}, \text{Fe}^{2+}, \text{Fe}^{3+})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Ferristrunzite . . . . .  $\text{Fe}^{3+}\text{Fe}_2^{3+}(\text{PO}_4)_2(\text{OH})_3 \cdot 5\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1987), 453
- A Ferrisurite . . . . .  $(\text{Pb}, \text{Ca})_{2.4}(\text{Fe}^{3+}, \text{Al})_2\text{Si}_4\text{O}_{10}(\text{CO}_3)_{1.7}(\text{OH}, \text{F})_3 \cdot n\text{H}_2\text{O}$   
American Mineralogist 77 (1992), 1107
- R Ferritaramite . . . . .  $\text{Na}_2\text{CaFe}_3^{2+}\text{Fe}_2^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferrithorite . . . . .  $\text{Th}, \text{Fe}, \text{Si}, \text{O}, \text{OH}$   
Mineralogicheskiy Zhurnal 8 (1986) (1), 88
- D Ferrititanbiotite . . . . .  $\text{K}(\text{Mg}, \text{Fe}, \text{Ti})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ferri-tremolite . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- R Ferritschermakite . . . . .  $\square\text{Ca}_2\text{Mg}_3\text{Fe}_2^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Ferri-winchite . . . . .  $\text{NaCaMg}_4\text{Fe}^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Ferriwodanite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ferriwotanite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- R Ferro-actinolite . . . . .  $\square\text{Ca}_2(\text{Fe}^{2+}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferro-actinolic hornblende . . . . .  $\text{Ca}_2(\text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- R Ferroalluaudite . . . . .  $(\text{Na}, \text{Ca})\text{Fe}^{2+}(\text{Fe}^{3+}, \text{Mn}^{2+}, \text{Mg})_2(\text{PO}_4)_3$   
Mineralogical Magazine 43 (1979), 227
- A Ferro-alumino-barroisite . . . . .  $\text{NaCaFe}_3^{2+}\text{Al}_2(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Ferro-aluminoceladonite . . . . .  $\text{K}(\text{Fe}^{2+}, \text{Mg})(\text{Al}, \text{Fe}^{3+})\text{Si}_4\text{O}_{10}(\text{OH})_2$   
American Mineralogist 82 (1997), 503
- A Ferro-alumino-tschermakite . . . . .  $\text{Ca}_2\text{Fe}_3^{2+}\text{Al}_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Ferro-alumino-winchite . . . . .  $\text{NaCaFe}_4^{2+}\text{AlSi}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Ferroalunite . . . . .  $\text{K}(\text{Al}, \text{Fe})_3(\text{SO}_4)_2(\text{OH})_6$   
Mineralogical Magazine 36 (1968), 1144
- D Ferroan pargasite . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Fe}^{2+}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferroan pargasitic hornblende . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Fe}^{2+}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219

- R Ferro-anthophyllite . . . . .  $\square(\text{Fe}^{2+}, \text{Mg})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferroaugite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- D Ferrobabingtonite . . . . .  $\text{Ca}_2(\text{Fe}^{2+}, \text{Mn})\text{Fe}^{3+}\text{Si}_5\text{O}_{14}(\text{OH})$   
Mineralogical Magazine 38 (1971), 103
- A Ferrobarroisite . . . . .  $\square\text{NaCa}(\text{Fe}^{2+}, \text{Mg})_3(\text{Al}, \text{Fe}^{3+})_2(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Ferroceladonite . . . . .  $\text{K}(\text{Fe}^{2+}, \text{Mg})(\text{Fe}^{3+}, \text{Al})\text{Si}_4\text{O}_{10}(\text{OH})_2$   
American Mineralogist 82 (1997), 503
- D Ferroclinoholmquistite . . . . .  $\text{Li}_2(\text{Fe}^{2+}, \text{Mg})_3\text{Al}_2\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- R Ferro-eckermannite . . . . .  $(\text{Na}, \square)_3(\text{Fe}^{2+}, \text{Al}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- R Ferro-edenite . . . . .  $\text{NaCa}_2(\text{Fe}^{2+}, \text{Mg})_5(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Ferro-edenitic hornblende . . . . .  $\text{NaCa}_2\text{Fe}_5^{2+}(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferroferrimargarite . . . . .  $\text{CaAl}_4\text{Si}_2\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ferro-ferri-muscovite . . . . .  $\text{K}(\text{Fe}^{2+}, \text{Fe}^{3+})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Ferro-ferri-tschermakite . . . . .  $\text{Ca}_2\text{Fe}_3^{2+}\text{Fe}_2^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Ferro-ferri-winchite . . . . .  $\text{Na}(\text{Ca}, \text{Mn})(\text{Fe}^{2+}, \text{Mn}^{2+})_4\text{Fe}^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Ferrofillowite . . . . .  $\text{CaNa}_2(\text{Fe}^{2+}, \text{Mg}, \text{Mn})_7(\text{PO}_4)_6$   
American Mineralogist 72 (1987), 1031
- R Ferrogedrite . . . . .  $\square(\text{Fe}^{2+}, \text{Mg}, \text{Al})_7(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- R Ferroglaucophane . . . . .  $(\square, \text{Na})_2(\text{Fe}^{2+}, \text{Al}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferrohalotrichite . . . . .  $\text{Fe}^{2+}\text{Al}_2(\text{SO}_4)_4 \cdot 22\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1055
- D Ferrohastingsite . . . . .  $\text{NaCa}_2(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Ferrohedenbergite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Ferrohexahydrate . . . . .  $\text{Fe}^{2+}\text{SO}_4 \cdot 6\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 131
- A Ferrohögbomite-2N2S . . . . .  $(\text{Fe}, \text{Mg}, \text{Zn}, \text{Al})_6\text{Al}_{14}(\text{Ti}, \text{Fe})_2\text{O}_{30}(\text{OH})_2$   
European Journal of Mineralogy 14 (2002), 957
- R Ferroholmquistite . . . . .  $\square\text{Li}_2(\text{Fe}^{2+}, \text{Mg}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Ferrohornblende . . . . .  $\square\text{Ca}_2(\text{Fe}^{2+}, \text{Mg})_4(\text{Al}, \text{Fe}^{3+})(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH}, \text{F})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferrohypersthene . . . . .  $\text{Fe}^{2+}\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Ferro-johannsenite . . . . .  $\text{Ca}(\text{Fe}^{2+}, \text{Mn}^{2+})\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Ferrokaersutite . . . . .  $\text{NaCa}_2(\text{Fe}^{2+}, \text{Mg})_4\text{Ti}(\text{Si}_6\text{Al}_2)(\text{O}, \text{OH})_{24}$   
Canadian Mineralogist 35 (1997), 219

- A Ferrokentbrooksit . . . . .  $\text{Na}_{15}\text{Ca}_6\text{Fe}_3^{2+}\text{Zr}_3\text{Nb}(\text{Si}_{25}\text{O}_{73})(\text{O}, \text{OH}, \text{H}_2\text{O})_3(\text{F}, \text{Cl})_2$   
Canadian Mineralogist 41 (2003), 55
- A Ferrokösterit . . . . .  $\text{Cu}_2(\text{Fe}, \text{Zn})\text{SnS}_4$   
Canadian Mineralogist 27 (1989), 673
- A Ferrokinoshitalit . . . . .  $(\text{Ba}, \text{K})(\text{Fe}^{2+}, \text{Mg})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH}, \text{F})_2$   
Canadian Mineralogist 37 (1999), 1445
- A Ferroleakeit . . . . .  $\text{Na}_3\text{Fe}_2^{2+}\text{Fe}_2^{3+}\text{LiSi}_8\text{O}_{22}(\text{OH}, \text{F})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferrolizardit . . . . .  $(\text{Mg}, \text{Fe})\text{Si}_2\text{O}_5(\text{OH})$   
Mineralogical Magazine 36 (1968), 1144
- D Ferromuscovit . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Ferronickelplatin . . . . .  $(\text{Ni}, \text{Fe})\text{Pt}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 487
- R Ferronigerit-2N1S . . . . .  $\text{Al}_{10.9}\text{Sn}_2\text{Fe}_{1.7}\text{Zn}_{0.7}\text{O}_{22}(\text{OH})_2$   
European Journal of Mineralogy 14 (2002), 389
- R Ferronigerit-6N6S . . . . .  $(\text{Fe}, \text{Zn})_4\text{Sn}_2(\text{Al}, \text{Fe})_{15}\text{O}_{30}(\text{OH})_2$   
European Journal of Mineralogy 14 (2002), 389
- A Ferronordit-(Ce) . . . . .  $\text{Na}_3\text{Sr}(\text{Ce}, \text{La})(\text{Fe}^{2+}, \text{Mn}^{2+}, \text{Zn})\text{Si}_6\text{O}_{17}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 127 (1998) (1), 32
- A Ferronordit-(La) . . . . .  $\text{Na}_3\text{Sr}(\text{La}, \text{Ce})\text{Fe}^{2+}\text{Si}_6\text{O}_{17}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 130 (2001) (2), 53
- A Ferroyböit . . . . .  $\text{Na}_3(\text{Fe}^{2+}, \text{Mg}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH}, \text{F})_2$   
Canadian Mineralogist 35 (1997), 219
- R Ferropargasit . . . . .  $\text{NaCa}_2(\text{Fe}^{2+}, \text{Mg}, \text{Al})_5(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH}, \text{Cl})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferro-pargasitic hornblende . . . . .  $\text{NaCa}_2(\text{Fe}^{3+}, \text{Al})(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Ferropedrizit . . . . .  $\text{Li}_2(\text{Li}, \text{Fe}^{2+}, \text{Mg}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 41 (2003), 1355
- D Ferrophengit . . . . .  $\text{K}, \text{Fe}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist 36 (1998), 905
- D Ferro-phlogopit . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ferrophlogopit . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Ferropigeonit . . . . .  $(\text{Fe}, \text{Mg}, \text{Ca})\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Ferroplatin . . . . .  $\text{Pt}, \text{Fe}$   
Canadian Mineralogist 13 (1975), 117
- D Ferropseudobrookit . . . . .  $(\text{Fe}, \text{Mg})(\text{Ti}, \text{V})_2\text{O}_6$   
American Mineralogist 73 (1988), 1377
- D Ferropumpellyit . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe})\text{Al}_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- A Ferropyrosmalit . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})_8\text{Si}_6\text{O}_{15}(\text{OH}, \text{Cl})_{10}$   
Mineralogical Magazine 51 (1987), 174
- A Ferrorhodsit . . . . .  $(\text{Fe}, \text{Cu})(\text{Rh}, \text{Ir}, \text{Pt})_2\text{S}_4$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 127 (1998) (5), 37
- A Ferrorichterit . . . . .  $\text{Na}_2\text{Ca}(\text{Fe}^{2+}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Ferrosalit . . . . .  $\text{CaFe}_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535



- A Ferrosaponite . . . . .  $\text{Ca}_{0.3}(\text{Fe}^{2+}, \text{Mg}, \text{Fe}^{3+})_3(\text{Si}, \text{Al})_4\text{O}_{10} \cdot 4\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **132 (2003) (2), 68**
- R Ferrosilite . . . . .  $(\text{Fe}^{2+}, \text{Mg})_2(\text{SiO}_3)_2$   
Mineralogical Magazine **52 (1988), 535**
- D Ferrostibian . . . . .  $(\text{Mn}, \text{Ca})_4(\text{Mn}^{3+}, \text{Fe}^{3+})_9\text{SbSi}_2\text{O}_{24}$   
Arkiv för Mineralogi och Geologi **4 (1967), 449**
- D Ferrostilpnomelane . . . . .  $\text{K}, \text{Fe}, \text{Mg}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist **36 (1998), 905**
- A Ferrostrunzite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})\text{Fe}_2^{3+}(\text{PO}_4)_2(\text{OH})_2 \cdot 6\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte **(1983), 524**
- R Ferrotaafeite-6N'3S . . . . .  $\text{Be}(\text{Fe}, \text{Zn}, \text{Mg})_2\text{Al}_6\text{O}_{12}$   
European Journal of Mineralogy **14 (2002), 389**
- A Ferrotapiolite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})(\text{Ta}, \text{Nb})_2\text{O}_6$   
Geological Society of Finland, Bulletin **55 (1983), 101**
- A Ferrotitanowodginitite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})(\text{Ti}, \text{Sn}^{4+}, \text{Ta}, \text{Fe}^{3+})(\text{Ta}, \text{Nb})_2\text{O}_8$   
American Mineralogist **84 (1999), 773**
- D Ferro-tremolite . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63 (1978), 1023**
- R Ferrotschermakite . . . . .  $\square\text{Ca}_2\text{Fe}_3^{2+}\text{AlFe}^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist **35 (1997), 219**
- D Ferro-tschermakitic hornblende . . . . .  $\text{Ca}_2(\text{Fe}^{2+}, \text{Fe}^{3+})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist **35 (1997), 219**
- A Ferrotychite . . . . .  $\text{Na}_6(\text{Fe}^{2+}, \text{Mg}, \text{Mn})_2(\text{CO}_3)_4(\text{SO}_4)$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **110 (1981), 600**
- R Ferrowinchite . . . . .  $\square\text{NaCa}(\text{Fe}^{2+}, \text{Mg})_4(\text{Al}, \text{Fe}^{3+})\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist **35 (1997), 219**
- A Ferrowodginitite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})(\text{Sn}^{4+}, \text{Ti}, \text{Ta}, \text{Fe}^{3+})(\text{Ta}, \text{Nb})_2\text{O}_8$   
Canadian Mineralogist **30 (1992), 633**
- A Ferrowyllieite . . . . .  $(\text{Na}, \text{Ca}, \text{Mn}^{2+})_2(\text{Fe}^{2+}, \text{Mn}^{2+})_2\text{Al}(\text{PO}_4)_3$   
Mineralogical Magazine **43 (1979), 227**
- D Ferutite . . . . .  $(\text{La}, \text{Ce})(\text{Y}, \text{U}, \text{Fe}^{2+})(\text{Ti}, \text{Fe})_{20}(\text{O}, \text{OH})_{38}$   
American Mineralogist **49 (1964), 447**
- A Feruvite . . . . .  $(\text{Ca}, \text{Na})(\text{Fe}^{2+}, \text{Mg}, \text{Ti})_3\text{Al}_6(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{OH})_4$   
Canadian Mineralogist **27 (1989), 199**
- A Fetiasite . . . . .  $(\text{Fe}^{2+}, \text{Fe}^{3+}, \text{Ti}^{4+})_3\text{O}_2\text{As}_2^{3+}\text{O}_5$   
American Mineralogist **79 (1994), 996**
- A Fettelite . . . . .  $\text{Ag}_{24}\text{HgAs}_5\text{S}_{20}$   
Neues Jahrbuch für Mineralogie, Monatshefte **(1996), 313**
- D Feuermineral . . . . .  $(\text{Cu}, \text{Ge})_6\text{Fe}_2\text{SnS}_8$   
Mineralogical Magazine **43 (1980), 1055**
- D Feugasite . . . . .  $(\text{Na}, \text{Ca})(\text{Si}, \text{Al})_6\text{O}_{12} \cdot 8\text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- A Fianelite . . . . .  $\text{Mn}_2^{2+}(\text{V}, \text{As})_2\text{O}_7 \cdot 2\text{H}_2\text{O}$   
American Mineralogist **81 (1996), 1270**
- D Ficinitite . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine **52 (1988), 535**
- A Filipstadite . . . . .  $(\text{Mn}^{2+}, \text{Mg})_2(\text{Sb}^{5+}, \text{Fe}^{3+})\text{O}_4$   
American Mineralogist **73 (1988), 413**
- A Fingerite . . . . .  $\text{Cu}_{11}\text{O}_2(\text{VO}_4)_6$   
American Mineralogist **70 (1985), 193**
- A Fischesserite . . . . .  $\text{Ag}_3\text{AuSe}_2$

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381

- A Fleischerite . . . . .  $\text{Pb}_3\text{Ge}(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 260
- A Fletcherite . . . . .  $\text{Cu}(\text{Ni}, \text{Co})_2\text{S}_4$   
Economic Geology 72 (1977), 480
- D Flockite . . . . .  $(\text{Ca}, \text{Na}, \text{K})(\text{Si}, \text{Al})_{12}\text{O}_{24} \cdot 7\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Flogopite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Flokite . . . . .  $(\text{Ca}, \text{Na}, \text{K})(\text{Si}, \text{Al})_{12}\text{O}_{24} \cdot 7\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Florencite-(Ce) . . . . .  $(\text{Ce}, \text{La})\text{Al}_3(\text{PO}_4)_2(\text{OH})_6$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Florencite-(La) . . . . .  $(\text{La}, \text{Ce})\text{Al}_3(\text{PO}_4)_2(\text{OH})_6$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Florencite-(Nd) . . . . .  $(\text{Nd}, \text{Ce})\text{Al}_3(\text{PO}_4)_2(\text{OH})_6$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Florenskyite . . . . .  $\text{FeTiP}$   
American Mineralogist 85 (2000), 1082
- A Florensovite . . . . .  $\text{Cu}(\text{Cr}, \text{Sb})_2\text{S}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 118 (1) (1989), 57
- A Fluckite . . . . .  $\text{CaMn}^{2+}(\text{AsO}_3\text{OH})_2 \cdot 2\text{H}_2\text{O}$   
Bulletin de Minéralogie 103 (1980), 122
- A Fluocerite-(Ce) . . . . .  $(\text{Ce}, \text{La})\text{F}_3$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Fluocerite-(La) . . . . .  $(\text{La}, \text{Ce})\text{F}_3$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Fluochlore . . . . .  $(\text{Ca}, \text{Na})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$   
American Mineralogist 62 (1977), 403
- A Fluorannite . . . . .  $\text{KFe}_3^{2+}\text{AlSi}_3\text{O}_{10}\text{F}_2$   
Acta Petrologica et Mineralogica (in Chinese); = Yanshi Kuangwuxue Zashi 19  
(2000), 356
- A Fluorapatite . . . . .  $\text{Ca}_5(\text{PO}_4)_3\text{F}$   
Mineralogical Magazine 43 (1980), 1054
- A Fluorapophyllite . . . . .  $\text{KCa}_4\text{Si}_8\text{O}_{20}(\text{F}, \text{OH}) \cdot 8\text{H}_2\text{O}$   
Mineralogical Record 9 (1978), 95
- A Fluorbritholite-(Ce) . . . . .  $(\text{Ca}, \text{Ce}, \text{La})_5(\text{Si}, \text{P})_3\text{O}_{12}\text{F}$   
Journal of Wuhan Institute of Technology 9 (3) (1994), 9
- A Fluor-cannilloite . . . . .  $(\text{Ca}, \text{Na})\text{Ca}_2(\text{Mg}, \text{Al})(\text{Si}, \text{Al})\text{O}_{22}(\text{F}, \text{OH})_2$   
American Mineralogist 81 (1996), 995
- A Fluorcaphite . . . . .  $(\text{Ca}, \text{Sr}, \text{Na}, \text{Ce})_5(\text{PO}_4)_3\text{F}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 126 (1997) (3), 87
- A Fluorellestadite . . . . .  $\text{Ca}_5(\text{SiO}_4, \text{SO}_4, \text{PO}_4)_3\text{F}$   
American Mineralogist 67 (1982), 90
- A Fluoro-magnesio-arfvedsonite . . . . .  $\text{NaNa}_2\text{Mg}_4\text{Fe}^{3+}\text{Si}_8\text{O}_{22}(\text{F}, \text{OH})_2$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 129 (2000) (6), 28
- A Fluoro-edenite . . . . .  $(\text{Na}, \text{K})\text{Ca}_2(\text{Mg}, \text{Fe}^{2+})_5(\text{Si}_7\text{Al})\text{O}_{22}(\text{F}, \text{OH})$   
Canadian Mineralogist 35 (1997), 219
- A Fluoro-ferroleakeite . . . . .  $\text{NaNa}_2\text{Fe}_2^{2+}\text{Fe}_2^{3+}\text{LiSi}_8\text{O}_{22}(\text{F}, \text{OH})_2$   
American Mineralogist 81 (1996), 226
- A Fluoronyböite . . . . .  $\text{NaNa}_2(\text{Al}_2\text{Mg}_3)(\text{Si}_7\text{Al})\text{O}_{22}\text{F}_2$

- Mineralogical Magazine 67 (2003), 769
- A Fluororichterite . . . . . (Na, K)(Ca, Na)<sub>2</sub>(Mg, Fe, Ti)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(F, OH, O)<sub>2</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 122 (1993) (3), 98
- D Fluortainiolite . . . . . KLiMg<sub>2</sub>Si<sub>4</sub>O<sub>10</sub>F<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Fluorthalénite-(Y) . . . . . Y<sub>3</sub>Si<sub>3</sub>O<sub>10</sub>F  
Doklady Akademiia Nauk (in Russian). 354 (1997), 77
- A Fluorvesuvianite . . . . . Ca<sub>19</sub>(Al, Mg)<sub>13</sub>(SiO<sub>4</sub>)<sub>10</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>4</sub>O(F, OH)<sub>9</sub>  
Canadian Mineralogist 41 (2003), 1371
- A Foggite . . . . . CaAlPO<sub>4</sub>(OH)<sub>2</sub>•H<sub>2</sub>O  
American Mineralogist 60 (1975), 957
- A Foitite . . . . . (□, Na)(Fe<sup>2+</sup>, Al)<sub>3</sub>Al<sub>6</sub>Si<sub>6</sub>O<sub>18</sub>(BO<sub>3</sub>)<sub>3</sub>(OH)<sub>4</sub>  
American Mineralogist 78 (1993), 1299
- D Foliated zeolite . . . . . Na, Ca, Al, Si, O, H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Fontanite . . . . . Ca(UO<sub>2</sub>)<sub>3</sub>(CO<sub>3</sub>)<sub>2</sub>O<sub>2</sub>•6H<sub>2</sub>O  
European Journal of Mineralogy 4 (1992), 1271
- A Foordite . . . . . Sn<sup>2+</sup>(Nb, Ta)<sub>2</sub>O<sub>6</sub>  
Canadian Mineralogist 26 (1988), 889
- D Forbesite . . . . . Ni, Co, AsO<sub>4</sub>, H<sub>2</sub>O  
Canadian Mineralogist 14 (1976), 414
- D Foresite . . . . . Na, Li, Ca, Si, O, H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 262
- A Formanite-(Y) . . . . . YTaO<sub>4</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Formicaite . . . . . Ca(CHOO)<sub>2</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 128 (1999) (2), 43
- D Foucherite . . . . . Ca, Fe, PO<sub>4</sub>, SO<sub>4</sub>, OH, H<sub>2</sub>O  
Tscherma's Mineralogische und Petrographische Mitteilungen 26 (1979), 79
- A Franciscanite . . . . . Mn<sup>2+</sup>V<sup>5+</sup>(SiO<sub>4</sub>)<sub>2</sub>(O, OH)<sub>6</sub>  
American Mineralogist 71 (1986), 1522
- A Francisite . . . . . Cu<sub>3</sub>Bi(Se<sup>4+</sup>O<sub>3</sub>)<sub>2</sub>O<sub>2</sub>Cl  
American Mineralogist 75 (1990), 1421
- A Francoanellite . . . . . K<sub>3</sub>Al<sub>5</sub>(PO<sub>3</sub>OH)<sub>6</sub>(PO<sub>4</sub>)<sub>2</sub>•12H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1976), 49
- A Françoisite-(Nd) . . . . . (Nd, Y, Sm, Ce, Pr)(UO<sub>2</sub>)<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>O(OH)•6H<sub>2</sub>O  
Bulletin de Minéralogie 111 (1988), 443
- A Franconite . . . . . Na<sub>2</sub>Nb<sub>4</sub>O<sub>11</sub>•9H<sub>2</sub>O  
Canadian Mineralogist 22 (1984), 239
- A Frankamenite . . . . . K<sub>3</sub>Na<sub>3</sub>Ca<sub>5</sub>Si<sub>12</sub>O<sub>30</sub>(F, OH)<sub>4</sub>•H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 125 (1996) (2), 106
- A Frankdicksonite . . . . . BaF<sub>2</sub>  
American Mineralogist 59 (1974), 885
- A Frankhawthorneite . . . . . Cu<sub>2</sub>Te<sup>6+</sup>O<sub>4</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 33 (1995), 641
- A Franklinfurnaceite . . . . . Ca<sub>2</sub>Mn<sub>3</sub><sup>2+</sup>Mn<sup>3+</sup>Fe<sup>3+</sup>Zn<sub>2</sub>Si<sub>2</sub>O<sub>10</sub>(OH)<sub>8</sub>  
American Mineralogist 72 (1987), 812
- A Franklinphillite . . . . . (K, Na)<sub>1-x</sub>(Mn<sup>2+</sup>, Mg, Zn, Fe<sup>3+</sup>)<sub>8</sub>(Si, Al)<sub>12</sub>(O, OH)<sub>36</sub>•nH<sub>2</sub>O  
Mineralogical Record 23 (1992), 465
- A Fransoletite . . . . . Ca<sub>3</sub>Be<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>(PO<sub>3</sub>OH)<sub>2</sub>•4H<sub>2</sub>O  
Bulletin de Minéralogie 106 (1983), 499

- A Franzinite . . . . .  $(\text{Na, Ca})_7(\text{Si, Al})_{12}\text{O}_{24}(\text{SO}_4, \text{OH})_3 \cdot \text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1977), 163
- D Frauenglas . . . . .  $\text{KAl}_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Fredrikssonite . . . . .  $\text{Mg}_2(\text{Mn}^{3+}, \text{Fe}^{3+})\text{O}_2(\text{BO}_3)$   
Geologiska Föreningens i Stockholm Förhandlingar 105 (1983), 335
- A Freedite . . . . .  $\text{Cu}^{1+}\text{Pb}_8(\text{As}^{3+}\text{O}_3)_2\text{O}_3\text{Cl}_5$   
American Mineralogist 70 (1985), 845
- A Fresnoite . . . . .  $\text{Ba}_2\text{TiO}(\text{Si}_2\text{O}_7)$   
American Mineralogist 50 (1965), 314
- A Freundenbergite . . . . .  $\text{Na}_2(\text{Ti, Fe}^{3+})_8\text{O}_{16}$   
Mineralogical Magazine 36 (1967), 131
- D Freyalite . . . . .  $\text{Ce, Th, Ca, Si, O, H}_2\text{O}$   
American Mineralogist 70 (1985), 1059
- A Friedrichite . . . . .  $\text{Cu}_5\text{Pb}_5\text{Bi}_7\text{S}_{18}$   
Canadian Mineralogist 16 (1978), 127
- D Frigidite . . . . .  $\text{Cu, Ni, Sb, S}$   
Mineralogical Magazine 43 (1979), 99
- D Fuchsite . . . . .  $\text{K}(\text{Al, Cr})_2\text{AlSi}_3\text{O}_{10}(\text{OH, F})_2$   
Canadian Mineralogist 36 (1998), 905
- A Fuenzalidaite . . . . .  $\text{K}_3(\text{Na, K})_2\text{Na}_3\text{Mg}_5(\text{IO}_3)_6(\text{SO}_4)_6 \cdot 6\text{H}_2\text{O}$   
American Mineralogist 79 (1994), 1003
- A Fukalite . . . . .  $\text{Ca}_4\text{Si}_2\text{O}_6(\text{CO}_3)(\text{OH, F})_2$   
Mineralogical Journal (Tokyo) 8 (1977), 374
- A Fukuchilite . . . . .  $\text{Cu}_3\text{FeS}_8$   
Mineralogical Journal (Tokyo) 5 (1969), 399
- D Funkite . . . . .  $\text{CaFe}_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Furutobeite . . . . .  $(\text{Cu, Ag})_6\text{PbS}_4$   
Bulletin de Minéralogie 104 (1981), 737
- A Gabrielsonite . . . . .  $\text{PbFeAsO}_4(\text{OH})$   
Arkiv för Mineralogi och Geologi 4 (1967), 401
- A Gadolinite-(Ce) . . . . .  $\text{Be}_2\text{Fe}^{2+}(\text{Ce, La, Nd, Y})_2\text{Si}_2\text{O}_{10}$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Gadolinite-(Y) . . . . .  $\text{Be}_2\text{Fe}^{2+}\text{Y}_2\text{Si}_2\text{O}_{10}$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Gaebhardite . . . . .  $\text{K}(\text{Al, Cr})_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Gagarinite-(Y) . . . . .  $\text{NaCaY}(\text{F, Cl})_6$   
Mineralogical Magazine 36 (1967), 131
- A Gaidonnayite . . . . .  $\text{Na}_2\text{ZrSi}_3\text{O}_9 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 12 (1974), 316
- A Gainesite . . . . .  $\text{Na}_2(\text{Be, Li})(\text{Zr, Zn})_2(\text{PO}_4)_4 \cdot 1.5\text{H}_2\text{O}$   
American Mineralogist 68 (1983), 1022
- A Gaitite . . . . .  $\text{Ca}_2\text{Zn}(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 18 (1980), 197
- D Gajite . . . . .  $\text{Ca, Mg, OH, CO}_3$   
Mineralogical Magazine 33 (1962), 262
- D Galactite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Galeite . . . . .  $\text{Na}_{15}(\text{SO}_4)_5\text{ClF}_4$   
Mineralogical Magazine 36 (1967), 131

- D Galenobornite . . . . . (Cu, Pb)<sub>4.7</sub>FeS<sub>4</sub>  
 Mineralogical Magazine 36 (1967), 133
- A Galgenbergite . . . . . Ca(Ce, Nd, La)<sub>2</sub>(CO<sub>3</sub>)<sub>4</sub>•H<sub>2</sub>O  
 Mitteilungen, Österreichische Mineralogische Gesellschaft 143 (1998), 200
- A Galileite . . . . . NaFe<sub>4</sub><sup>2+</sup>(PO<sub>4</sub>)<sub>3</sub>  
 Meteoritics 32 (1997), A155
- A Galkhaite . . . . . (Cs, Tl)(Hg, Cu, Zn)<sub>6</sub>(As, Sb)<sub>4</sub>S<sub>12</sub>  
 Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
 Sections 205 (1972), 150
- A Gallobedeutite . . . . . Pb(Ga, Al, Fe)<sub>3</sub>(AsO<sub>4</sub>, SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
 Canadian Mineralogist 34 (1996), 1305
- D Gamsigradite . . . . . (Ca, Na)<sub>2</sub>(Mg, Fe, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- A Gananite . . . . . BiF<sub>3</sub>  
 Acta Petrologica et Mineralogica (in Chinese); = Yanshi Kuangwuxue Zashi 3  
 (1984), 119
- A Ganterite . . . . . Ba<sub>0.5</sub>(Na, K)<sub>0.5</sub>Al<sub>2</sub>(Si<sub>2.5</sub>Al<sub>1.5</sub>)O<sub>10</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 41 (2003), 1271
- A Gaotaite . . . . . Ir<sub>3</sub>Te<sub>8</sub>  
 Acta Mineralogica Sinica (in Chinese) 15 (1995), 1
- A Garavellite . . . . . FeSbBiS<sub>4</sub>  
 Mineralogical Magazine 43 (1979), 99
- A Garronite . . . . . NaCa<sub>2.5</sub>(Si<sub>10</sub>Al<sub>6</sub>)O<sub>32</sub>•13H<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 173
- R Gartrellite . . . . . PbCu(Fe<sup>3+</sup>, Cu)(AsO<sub>4</sub>)<sub>2</sub>(OH, H<sub>2</sub>O)<sub>2</sub>  
 European Journal of Mineralogy 10 (1998), 179
- A Garyansellite . . . . . (Mg, Fe<sup>3+</sup>)<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>(OH, H<sub>2</sub>O)<sub>3</sub>  
 American Mineralogist 69 (1984), 207
- A Gasparite-(Ce) . . . . . (Ce, La, Nd)AsO<sub>4</sub>  
 Schweizerische Mineralogische und Petrographische Mitteilungen 67 (1987), 103
- A Gaspeite . . . . . (Ni, Mg, Fe)CO<sub>3</sub>  
 American Mineralogist 51 (1966), 677
- D Gastaldite . . . . . Na<sub>2</sub>(Mg, Fe, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- A Gatehouseite . . . . . Mn<sub>5</sub><sup>2+</sup>(PO<sub>4</sub>, AsO<sub>4</sub>)<sub>2</sub>(OH)<sub>4</sub>  
 Mineralogical Magazine 57 (1993), 309
- A Gatelite-(Ce) . . . . . (Ca, REE)<sub>4</sub>(Al, Mg, Fe)<sub>4</sub>(Si<sub>2</sub>O<sub>7</sub>)(SiO<sub>4</sub>)<sub>3</sub>(O, F, OH)<sub>3</sub>  
 American Mineralogist 88 (2003), 223
- A Gatumbaite . . . . . CaAl<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>•H<sub>2</sub>O  
 Neues Jahrbuch für Mineralogie, Monatshefte (1977), 561
- A Gaufreyite . . . . . Ca<sub>4</sub>Mn<sub>3</sub><sup>3+</sup>(BO<sub>3</sub>)<sub>3</sub>(CO<sub>3</sub>)(O, OH)<sub>3</sub>  
 Bulletin de la Société Française de Minéralogie et de Cristallographie 87 (1964),  
 216
- A Gaultite . . . . . Na<sub>4</sub>Zn<sub>2</sub>Si<sub>7</sub>O<sub>18</sub>•5H<sub>2</sub>O  
 Canadian Mineralogist 32 (1994), 855
- D Gearksite . . . . . CaAlF<sub>4</sub>OH•H<sub>2</sub>O  
 Mineralogical Magazine 32 (1962), 262
- A Gearksutite . . . . . CaAlF<sub>4</sub>(OH)•H<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 262
- A Gebhardtite . . . . . Pb<sub>8</sub>As<sub>4</sub><sup>3+</sup>O<sub>11</sub>Cl<sub>6</sub>  
 Neues Jahrbuch für Mineralogie, Monatshefte (1983), 445
- R Gedrite . . . . . □(Mg, Fe<sup>2+</sup>, Al)<sub>7</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>

- Canadian Mineralogist 35 (1997), 219
- A Geerite . . . . .  $\text{Cu}_{8.5}\text{S}_5$   
Canadian Mineralogist 18 (1980), 519
- A Geffroyite . . . . .  $(\text{Cu, Fe, Ag})_9(\text{Se, S})_8$   
Tscherma's Mineralogische und Petrographische Mitteilungen 29 (1982), 151
- A Geigerite . . . . .  $\text{Mn}_5^{2+}(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2 \cdot 10\text{H}_2\text{O}$   
American Mineralogist 74 (1989), 676
- D Gelzircon . . . . .  $\text{ZrSiO}_4 \cdot n\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 133
- A Geminite . . . . .  $\text{Cu}^{2+}(\text{AsO}_3\text{OH}) \cdot \text{H}_2\text{O}$   
Schweizerische Mineralogische und Petrographische Mitteilungen 70 (1990), 309
- A Genkinite . . . . .  $(\text{Pt, Pd})_4\text{Sb}_3$   
Canadian Mineralogist 15 (1977), 389
- D Gentnerite . . . . .  $\text{Cu}_8\text{Fe}_3\text{Cr}_{11}\text{S}_{18}$   
Mineralogical Magazine 36 (1968), 1144
- A Georgbokiite . . . . .  $\text{Cu}_5\text{O}_2(\text{Se}^{4+}\text{O}_3)_2\text{Cl}_2$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 364 (1999), 134
- A Georgechaoite . . . . .  $\text{KNaZrSi}_3\text{O}_9 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 23 (1985), 1
- A Georgeericksenite . . . . .  $\text{CaMgNa}_6(\text{IO}_3)_6(\text{CrO}_4)_2 \cdot 12\text{H}_2\text{O}$   
American Mineralogist 83 (1998), 390
- R Georgeite . . . . .  $\text{Cu}_2\text{CO}_3(\text{OH})_2$   
Mineralogical Magazine 55 (1991), 163
- A Gerdremmelite . . . . .  $(\text{Zn, Fe}^{2+})(\text{Al, Fe}^{3+})_2\text{AsO}_4(\text{OH})_5$   
Neues Jahrbuch für Mineralogie, Monatshefte (1985), 1
- A Gerenite-(Y) . . . . .  $(\text{Ca, Na})_2(\text{Y, REE})_3\text{Si}_6\text{O}_{18} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 36 (1998), 793
- A Germanocolusite . . . . .  $\text{Cu}_{13}\text{V}(\text{Ge, As})_3\text{S}_{16}$   
Vestnik Moskovskogo Universiteta, Geologiya ser. ser. 4, 47 (1992) (6), 50
- D Germarite . . . . .  $\text{Mg, Si, O}$   
Mineralogical Magazine 52 (1988), 535
- D Gersbyite . . . . .  $(\text{Mg, Fe})\text{Al}_2(\text{PO}_4)_2(\text{OH})_2$   
Arkiv för Mineralogi och Geologi 3 (1963), 413
- R Gersdorffite- $P2_13$  . . . . .  $\text{NiAsS}$   
Canadian Mineralogist 24 (1986), 27
- R Gersdorffite- $Pa3$  . . . . .  $\text{Ni}(\text{As, S})_2$   
Canadian Mineralogist 24 (1986), 27
- R Gersdorffite- $Pca2_1$  . . . . .  $(\text{Ni, Co})\text{AsS}$   
Canadian Mineralogist 24 (1986), 27
- A Gerstmannite . . . . .  $(\text{Mn}^{2+}, \text{Mg})\text{MgZnSiO}_4(\text{OH})_2$   
American Mineralogist 62 (1977), 51
- A Getchellite . . . . .  $\text{SbAsS}_3$   
American Mineralogist 50 (1965), 1817
- A Geversite . . . . .  $\text{Pt}(\text{Sb, Bi})_2$   
Mineralogical Magazine 36 (1967), 132
- A Gianellaite . . . . .  $\text{Hg}_4\text{SO}_4\text{N}_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1977), 119
- A Gibbsite . . . . .  $\text{Al}(\text{OH})_3$   
Mineralogical Magazine 33 (1962), 263
- D Gibsonite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$

- Canadian Mineralogist 35 (1997), 1571
- A Giessenite . . . . .  $\text{Cu}_2\text{Pb}_{26}(\text{Bi}, \text{Sb})_{20}\text{S}_{57}$   
Schweizerische Mineralogische und Petrographische Mitteilungen 43 (1963), 471
- D Gigantolite . . . . .  $\text{K}, \text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist 36 (1988), 905
- A Gilalite . . . . .  $\text{Cu}_5\text{Si}_6\text{O}_{17} \cdot 7\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 639
- D Gilbertite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Gillulyite . . . . .  $\text{Tl}_2(\text{As}, \text{Sb})_8\text{S}_{13}$   
American Mineralogist 76 (1991), 653
- A Gilmarite . . . . .  $\text{Cu}_3^{2+}(\text{AsO}_4)(\text{OH})_3$   
European Journal of Mineralogy 11 (1999), 549
- A Giniite . . . . .  $\text{Fe}^{2+}\text{Fe}^{3+}(\text{PO}_4)_4(\text{OH})_2 \cdot 2\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1980), 49
- D Ginzburgite (of Voloshin et al.) . . . . .  $\text{Ca}_4\text{Be}_2\text{Al}_4\text{Si}_7\text{O}_{24}(\text{OH})_4 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Giobertite . . . . .  $\text{MgCO}_3$   
Mineralogical Magazine 43 (1980), 1053
- A Giraudite . . . . .  $(\text{Cu}, \text{Zn}, \text{Ag})_{12}(\text{As}, \text{Sb})_4(\text{Se}, \text{S})_{13}$   
Tscherma's Mineralogische und Petrographische Mitteilungen 29 (1982), 151
- A Girdite . . . . .  $\text{Pb}_3(\text{Te}^{4+}\text{O}_3)(\text{Te}^{6+}\text{O}_4)(\text{OH})_2$   
Mineralogical Magazine 43 (1979), 453
- D Girnarite . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Fe})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Girvasite . . . . .  $\text{NaCa}_2\text{Mg}_3(\text{PO}_4)_2[\text{PO}_2(\text{OH})_2]\text{CO}_3(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Mineralogicheskii Zhurnal 12 (1990) (3), 79
- A Gismondine . . . . .  $\text{Ca}_2(\text{Si}_4\text{Al}_4)\text{O}_{16} \cdot 8\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Gismondite . . . . .  $\text{CaAl}_2\text{Si}_2\text{O}_8 \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Gittinsite . . . . .  $\text{CaZrSi}_2\text{O}_7$   
Canadian Mineralogist 18 (1980), 201
- A Giuseppettite . . . . .  $(\text{Na}, \text{K}, \text{Ca})_{7-8}(\text{Si}, \text{Al})_{12}\text{O}_{24}(\text{SO}_4, \text{Cl})_{1-2}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1981), 103
- A Gjerdingenite-Fe . . . . .  $\text{K}_2(\text{H}_2\text{O})_2(\text{Fe}, \text{Mn})(\text{Nb}, \text{Ti})_4(\text{Si}_4\text{O}_{12})_2(\text{O}, \text{OH})_4 \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 40 (2002), 1629
- A Gladiusite . . . . .  $\text{Fe}_2^{3+}(\text{Fe}^{2+}, \text{Mg})_4\text{PO}_4(\text{OH})_{11} \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 38 (2000), 1477
- A Glagolevite . . . . .  $\text{NaMg}_6(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH}, \text{O})_8 \cdot \text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (1), 67
- g Glaucosite . . . . .  $(\text{K}, \text{Na})(\text{Fe}^{3+}, \text{Al}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- R Glaucophane . . . . .  $(\square, \text{Na})_2(\text{Mg}, \text{Al}, \text{Fe}^{2+})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Glaucophanerite . . . . .  $(\text{K}, \text{Na})(\text{Fe}, \text{Al}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Glaukosphaerite . . . . .  $(\text{Cu}, \text{Ni})_2\text{CO}_3(\text{OH})_2$   
Mineralogical Magazine 39 (1974), 737
- D Glockerite . . . . .  $\text{FeO}(\text{OH})$   
American Mineralogist 62 (1977), 599

- D Glottalite . . . . . (Ca, K, Na)(Si, Al)<sub>3</sub>O<sub>6</sub> • 3H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 262
- A Glucine . . . . . CaBe<sub>4</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>4</sub> • 0.5H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 132
- R Glushinskite . . . . . MgC<sub>2</sub>O<sub>4</sub> • 2H<sub>2</sub>O  
Mineralogical Magazine 51 (1987), 327
- A Gmelinite-Ca . . . . . (Ca, Sr, Na)<sub>4</sub>(Al<sub>4</sub>Si<sub>8</sub>)O<sub>24</sub> • 11H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Gmelinite-K . . . . . (K, Na, Ca)<sub>6</sub>(Si<sub>17</sub>Al<sub>7</sub>)O<sub>48</sub> • 22H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 130 (2001) (3), 65
- R Gmelinite-Na . . . . . Na<sub>4</sub>(Si<sub>8</sub>Al<sub>4</sub>)O<sub>24</sub> • 11H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Gobbinsite . . . . . Na<sub>5</sub>(Si<sub>11</sub>Al<sub>5</sub>)O<sub>32</sub> • 11H<sub>2</sub>O  
Mineralogical Magazine 46 (1982), 365
- A Godlevskite . . . . . (Ni, Fe)<sub>9</sub>S<sub>8</sub>  
Geologiya Rudnykh Mestorozhdenii 11 (1969), 115
- A Godovikovite . . . . . (NH<sub>4</sub>)(Al, Fe)(SO<sub>4</sub>)<sub>2</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 117 (1988), 208
- A Goedkenite . . . . . (Sr, Ca)<sub>2</sub>Al(PO<sub>4</sub>)<sub>2</sub>(OH)  
American Mineralogist 60 (1975), 957
- D Goeschwitzite . . . . . (K, H<sub>3</sub>O)Al<sub>2</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(H<sub>2</sub>O, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Goethite . . . . . FeO(OH)  
Mineralogical Magazine 43 (1980), 1054
- A Goldmanite . . . . . Ca<sub>3</sub>(V<sup>3+</sup>, Al, Cr, Fe<sup>3+</sup>)<sub>2</sub>(SiO<sub>4</sub>)<sub>3</sub>  
American Mineralogist 49 (1964), 644
- A Goldquarryite . . . . . Cu(Cd, Ca)<sub>2</sub>Al<sub>3</sub>(PO<sub>4</sub>)<sub>4</sub>F<sub>2</sub>(H<sub>2</sub>O, F)<sub>2</sub> • 10H<sub>2</sub>O  
Mineralogical Record 34 (2003), 237
- R Gonnardite . . . . . (Na, Ca)<sub>2</sub>(Si, Al)<sub>5</sub>O<sub>10</sub> • 3H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Goongarrite . . . . . Pb, Ag, Bi, S  
Neues Jahrbuch für Mineralogie, Abhandlungen 127 (1976), 62
- A Goosecreekite . . . . . Ca(Si<sub>6</sub>Al<sub>2</sub>)O<sub>16</sub> • 5H<sub>2</sub>O  
Canadian Mineralogist 18 (1980), 323
- A Gordaite . . . . . NaZn<sub>4</sub>(SO<sub>4</sub>)(OH)<sub>6</sub>Cl • 6H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1997), 155
- A Gormanite . . . . . (Fe<sup>2+</sup>, Mg)<sub>3</sub>(Al, Fe)<sub>4</sub>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>6</sub> • 2H<sub>2</sub>O  
Canadian Mineralogist 19 (1981), 381
- A Gortdrumite . . . . . Cu<sub>18</sub>FeHg<sub>6</sub>S<sub>16</sub>  
Mineralogical Magazine 47 (1983), 35
- A Gottardiite . . . . . Na<sub>3</sub>Mg<sub>3</sub>Ca<sub>5</sub>Al<sub>19</sub>Si<sub>117</sub>O<sub>272</sub> • 93H<sub>2</sub>O  
European Journal of Mineralogy 8 (1996), 687
- A Gottlobite . . . . . CaMg(VO<sub>4</sub>, AsO<sub>4</sub>)OH  
Neues Jahrbuch für Mineralogie, Monatshefte (2000), 444
- A Götzenite . . . . . Ca<sub>4</sub>(Ca, Na)<sub>2</sub>NaTi(Si<sub>2</sub>O<sub>7</sub>)<sub>2</sub>(F, OH, O)<sub>4</sub>  
Mineralogical Magazine 33 (1962), 262
- A Goudeyite . . . . . Cu<sub>6</sub>(Al, Y)(AsO<sub>4</sub>)<sub>3</sub>(OH)<sub>6</sub> • 3H<sub>2</sub>O  
American Mineralogist 63 (1978), 704
- D Gouréite . . . . . Na<sub>2</sub>(Ti, Fe<sup>3+</sup>)Si<sub>4</sub>(O, F)<sub>11</sub>  
Bulletin de la Société Française de Minéralogie et de Cristallographie 84 (1961), 191
- A Gowerite . . . . . Ca[B<sub>5</sub>O<sub>8</sub>(OH)][B(OH)<sub>3</sub>] • 3H<sub>2</sub>O



- Mineralogical Magazine 33 (1962), 260
- A Graemite . . . . .  $\text{Cu}^{2+}\text{Te}^{4+}\text{O}_3 \cdot \text{H}_2\text{O}$   
Mineralogical Record 6 (1975), 32
- A Graeserite . . . . .  $(\text{Fe}, \text{Ti})_4\text{Ti}_3\text{AsO}_{13}(\text{OH})$   
Canadian Mineralogist 36 (1998), 1083
- A Gramaccioliite-(Y) . . . . .  $(\text{Pb}, \text{Sr})(\text{Y}, \text{Mn})\text{Fe}_2(\text{Ti}, \text{Fe})_{18}\text{O}_{38}$   
International Mineralogical Association, General Meeting Program Abstracts 18  
(2002), 138
- D Grammatite . . . . .  $\text{Ca}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Grammatit-strahlstein . . . . .  $\text{Ca}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Granatite (of Daubenton) . . . . .  $\text{KAlSi}_2\text{O}_6$   
Canadian Mineralogist 35 (1997), 1571
- A Grandreefite . . . . .  $\text{Pb}_2(\text{SO}_4)\text{F}_2$   
American Mineralogist 74 (1989), 927
- A Grantsite . . . . .  $(\text{Na}, \text{Ca})_{2+x}(\text{V}^{5+}, \text{V}^{4+})\text{O}_{16} \cdot 4\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- A Grattarolaite . . . . .  $\text{Fe}_3^{3+}\text{O}_3\text{PO}_4$   
European Journal of Mineralogy 9 (1997), 1101
- A Graulichite-(Ce) . . . . .  $(\text{Ce}, \text{La}, \text{Nd}, \text{Ba})(\text{Fe}^{3+}, \text{Al})_3[(\text{As}, \text{Al})\text{O}_4]_2(\text{OH})_6$   
European Journal of Mineralogy 15 (2003), 733
- A Gravegliaite . . . . .  $\text{Mn}^{2+}\text{S}^{4+}\text{O}_3 \cdot 3\text{H}_2\text{O}$   
Zeitschrift für Kristallographie 197 (1991), 97
- A Grechishchevite . . . . .  $\text{Hg}_3\text{S}_2(\text{Br}, \text{Cl}, \text{I})_2$   
Geologiya i Geofizika (in Russian) 30 (1989) (7), 61
- A Gregoryite . . . . .  $(\text{Na}_2, \text{K}_2, \text{Ca})\text{CO}_3$   
Lithos 13 (1980), 213
- A Greifensteinite . . . . .  $\text{Ca}_2\text{Be}_4(\text{Fe}^{2+}, \text{Mn})_5(\text{PO}_4)_6(\text{OH})_4 \cdot 6\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 131 (2002) (4), 47
- A Greigite . . . . .  $\text{Fe}_3\text{S}_4$   
American Mineralogist 49 (1964), 543
- D Grenatite (of Daubenton) . . . . .  $\text{KAlSi}_2\text{O}_6$   
Canadian Mineralogist 35 (1997), 1571
- A Griceite . . . . .  $\text{LiF}$   
Canadian Mineralogist 27 (1989), 125
- A Grimaldiite . . . . .  $\text{CrO}(\text{OH})$   
United States Geological Survey, Professional Paper 887 (1976)
- D Griqualandite . . . . .  $\text{Na}, \text{Fe}, \text{Si}, \text{O}$   
American Mineralogist 63 (1978), 1023
- A Grischunite . . . . .  $\text{NaCa}_2\text{Mn}_4^{2+}(\text{Mn}^{2+}, \text{Fe}^{3+})_2(\text{AsO}_4)_6 \cdot 2\text{H}_2\text{O}$   
Schweizerische Mineralogische und Petrographische Mitteilungen 64 (1984), 1
- D Groddeckite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Grossite . . . . .  $\text{CaAl}_4\text{O}_7$   
European Journal of Mineralogy 6 (1994), 591
- A Grossular . . . . .  $\text{Ca}_3\text{Al}_2(\text{SiO}_4)_3$   
Mineralogical Magazine 33 (1962), 262
- D Grossularite . . . . .  $\text{Ca}_3\text{Al}_2(\text{SiO}_4)_3$   
Mineralogical Magazine 43 (1980), 1053
- D Grothine . . . . .  $\text{Mg}_3\text{SiO}_4(\text{F}, \text{OH})_2$   
Mineralogical Record 12 (1981), 377

- A Grumantite . . . . .  $\text{NaSi}_2\text{O}_4(\text{OH})\cdot\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 116 (1987), 244
- A Grumiplucite . . . . .  $\text{HgBi}_2\text{S}_4$   
Canadian Mineralogist 36 (1998), 1321
- D Grundite . . . . .  $(\text{K}, \text{H}_3\text{O})\text{Al}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{H}_2\text{O}, \text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- R Grunerite . . . . .  $\square(\text{Fe}^{2+}, \text{Mg})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Grünlingite . . . . . Bi, Te, S  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 633
- A Gruzdevite . . . . .  $\text{Cu}_6\text{Hg}_3\text{Sb}_4\text{S}_{12}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 261 (1981), 176
- A Guanine . . . . .  $\text{C}_5\text{H}_3(\text{NH}_2)\text{N}_4\text{O}$   
Mineralogical Magazine 39 (1974), 889
- A Guarinoite . . . . .  $(\text{Zn}, \text{Co}, \text{Ni})_6\text{SO}_4(\text{OH}, \text{Cl})_{10}\cdot 5\text{H}_2\text{O}$   
Archives des Sciences (Geneva) 46 (1993), 37
- A Guettardite . . . . .  $\text{Pb}(\text{Sb}, \text{As})_2\text{S}_4$   
Canadian Mineralogist 9 (1967), 191
- A Gugiaite . . . . .  $\text{Ca}_2\text{BeSi}_2\text{O}_7$   
Scientia Sinica (English Edition) 11 (1962), 977
- A Guilleminite . . . . .  $\text{Ba}(\text{UO}_2)_3(\text{Se}^{4+}\text{O}_3)_2\text{O}_2\cdot 3\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 88 (1965),  
132
- D Gümbellite . . . . .  $(\text{K}, \text{H}_3\text{O})\text{Al}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{H}_2\text{O}, \text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Gunningite . . . . .  $(\text{Zn}, \text{Mn})\text{SO}_4\cdot\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- A Gupeite . . . . .  $\text{Fe}_3\text{Si}$   
Acta Petrologica, Mineralogica et Analytica (in Chinese) 3 (1984), 231
- A Gustavite . . . . .  $\text{AgPbBi}_3\text{S}_6$   
Canadian Mineralogist 10 (1970), 173
- A Gutkovaite-Mn . . . . .  $\text{CaK}_2\text{Mn}(\text{Ti}, \text{Nb})_4(\text{Si}_4\text{O}_{12})_2(\text{O}, \text{OH})_4\cdot 5\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 131 (2002), 51
- D Gutsevichite . . . . .  $(\text{Al}, \text{Fe})_3(\text{PO}_4, \text{VO}_4)_2(\text{OH})_3\cdot 8\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 261
- A Guyanaite . . . . .  $\text{CrO}(\text{OH})$   
United States Geological Survey, Professional Paper 887 (1976)
- A Gwihabaite . . . . .  $(\text{NH}_4, \text{K})\text{NO}_3$   
Bulletin of the South African Speleological Society 36 (1996), 19
- A Gysinite-(Nd) . . . . .  $(\text{Nd}, \text{Pb})\text{CO}_3(\text{OH}, \text{H}_2\text{O})$   
American Mineralogist 70 (1985), 1314
- A Haapalaite . . . . .  $2[(\text{Fe}, \text{Ni})\text{S}]\cdot 1.61[(\text{Mg}, \text{Fe})(\text{OH})_2]$   
Geological Society of Finland, Bulletin 45 (1973), 103
- D Haddamite . . . . .  $(\text{Ca}, \text{Na})_2\text{Ta}_2(\text{O}, \text{OH}, \text{F})_7$   
American Mineralogist 62 (1977), 403
- D Haematite . . . . .  $\text{Fe}_2\text{O}_3$   
Mineralogical Magazine 43 (1980), 1053
- A Hafnon . . . . .  $\text{HfSiO}_4$   
Contributions to Mineralogy and Petrology 48 (1974), 73
- A Haggertyite . . . . .  $\text{BaFe}_6\text{Ti}_5\text{MgO}_{19}$   
American Mineralogist 83 (1998), 1323

- A Haigerachite . . . . .  $\text{KFe}_3^{3+}(\text{H}_2\text{PO}_4)_6(\text{HPO}_4)_2 \cdot 4\text{H}_2\text{O}$   
Aufschluss 50 (1999), 1
- A Haineaultite . . . . .  $(\text{Na}, \text{Ca})_5\text{Ca}(\text{Ti}, \text{Nb})_5\text{Si}_{12}\text{O}_{34}(\text{OH}, \text{F})_8 \cdot 5\text{H}_2\text{O}$   
Canadian Mineralogist Special Publication 6 (2003), 78
- D Hairzeolite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Haiweeite . . . . .  $\text{Ca}(\text{UO}_2)_2\text{Si}_5\text{O}_{12}(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 260
- A Hakite . . . . .  $(\text{Cu}, \text{Hg}, \text{Ag})_{12}\text{Sb}_4(\text{Se}, \text{S})_{13}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 94 (1971), 45
- D Hallerite . . . . .  $\text{K}, \text{Li}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist 36 (1998), 905
- A Hallimondite . . . . .  $\text{Pb}_2(\text{UO}_2)(\text{AsO}_4)_2$   
American Mineralogist 50 (1965), 1143
- A Halurgite . . . . .  $\text{Mg}_2[\text{B}_4\text{O}_5(\text{OH})_4]_2 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- A Hanawaltite . . . . .  $\text{Hg}_6^{1+}\text{Hg}_2^{2+}\text{Cl}_2\text{O}_3$   
Powder Diffraction 11 (1996), 45
- D Hanléite . . . . .  $\text{Ca}_3\text{Cr}_2(\text{SiO}_4)_3$   
Mineralogical Magazine 33 (1963), 508
- A Hannebachite . . . . .  $\text{CaSO}_3 \cdot 0.5\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1985), 241
- A Haradaite . . . . .  $\text{SrV}^{4+}\text{Si}_2\text{O}_7$   
American Mineralogist 60 (1975), 340
- A Harmotome . . . . .  $(\text{Ba}, \text{Ca}, \text{Na})_2(\text{Si}_{11}\text{Al}_5)\text{O}_{32} \cdot 12\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Harmotomite . . . . .  $(\text{Ba}, \text{K})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Harringtonite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Harrisonite . . . . .  $\text{Ca}(\text{Fe}^{2+}, \text{Mg})_6(\text{SiO}_4)_2(\text{PO}_4)_2$   
Canadian Mineralogist 31 (1993), 775
- A Hashemite . . . . .  $\text{Ba}(\text{Cr}, \text{S})\text{O}_4$   
American Mineralogist 68 (1983), 1223
- R Hastingsite . . . . .  $\text{NaCa}_2(\text{Fe}^{2+}, \text{Mg})_4\text{Fe}^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH}, \text{Cl})_2$   
Canadian Mineralogist 35 (1997), 219
- D Hastingsitic hornblende . . . . .  $\text{NaCa}_2(\text{Fe}, \text{Mg})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Hatchettolite . . . . .  $(\text{U}, \text{Ca}, \text{Ce})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$   
American Mineralogist 62 (1977), 403
- R Hauchecornite . . . . .  $\text{Ni}_9\text{BiSbS}_8$   
Mineralogical Magazine 43 (1980), 873
- A Hauckite . . . . .  $\text{Fe}_3^{3+}(\text{Mg}, \text{Mn})_{24}\text{Zn}_{18}(\text{SO}_4)_4(\text{CO}_3)_2(\text{OH})_{81}$   
American Mineralogist 65 (1980), 192
- D Haughtonite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Hawthorneite . . . . .  $\text{BaMgTi}_3\text{Cr}_4\text{Fe}_2^{2+}\text{Fe}_2^{3+}\text{O}_{19}$   
American Mineralogist 74 (1989), 668
- A Haxonite . . . . .  $(\text{Fe}, \text{Ni})_{23}\text{C}_6$   
Nature: Physical Sciences 229 (1971), 61
- A Haycockite . . . . .  $\text{Cu}_4\text{Fe}_5\text{S}_8$

- American Mineralogist 57 (1972), 689
- D Haydenite . . . . . (Ca, K, Na)(Si, Al)<sub>3</sub>O<sub>6</sub> • 3H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Haynesite . . . . . (UO<sub>2</sub>)<sub>3</sub>(Se<sup>4+</sup>O<sub>3</sub>)<sub>2</sub>(OH)<sub>2</sub> • 5H<sub>2</sub>O  
Canadian Mineralogist 29 (1991), 561
- A Hechtsbergite . . . . . Bi<sub>2</sub>O(VO<sub>4</sub>)(OH)  
Neues Jahrbuch für Mineralogie, Monatshefte (1997), 271
- A Hectorfloresite . . . . . Na<sub>9</sub>(IO<sub>3</sub>)(SO<sub>4</sub>)<sub>4</sub>  
American Mineralogist 74 (1989), 1207
- A Hedenbergite . . . . . Ca(Fe<sup>2+</sup>, Mg)Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- A Hedyphane . . . . . Ca<sub>2</sub>Pb<sub>3</sub>(AsO<sub>4</sub>)<sub>3</sub>Cl  
Mineralogical Magazine 43 (1980), 1054
- D Hegault . . . . . Na<sub>2</sub>(Al<sub>2</sub>Si<sub>3</sub>)O<sub>10</sub> • 2H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Heideite . . . . . (Fe, Cr)<sub>1+x</sub>(Ti, Fe)<sub>2</sub>S<sub>4</sub>  
American Mineralogist 59 (1974), 465
- D Heikkolite . . . . . Na<sub>2</sub>(Fe, Mg)<sub>3</sub>(Al, Fe<sup>3+</sup>)<sub>2</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Heikolite . . . . . Na<sub>2</sub>(Fe, Mg)<sub>3</sub>(Al, Fe<sup>3+</sup>)<sub>2</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Hejtmanite . . . . . Ba(Mn<sup>2+</sup>, Fe<sup>2+</sup>)<sub>2</sub>TiO(Si<sub>2</sub>O<sub>7</sub>)(OH, F)<sub>2</sub>  
European Journal of Mineralogy 4 (1992), 35
- A Hellandite-(Ce) . . . . . (Ca, Ce)<sub>4</sub>(Ce, Ca)<sub>2</sub>(Al, Fe<sup>3+</sup>, Ti)(Be, Li)B<sub>4</sub>Si<sub>4</sub>O<sub>22</sub>(O, OH, F)<sub>2</sub>  
American Mineralogist 84 (1999), 913
- A Hellandite-(Y) . . . . . (Ca, Y)<sub>4</sub>(Y, Ca)<sub>2</sub>(Al, Fe<sup>3+</sup>)B<sub>4</sub>Si<sub>4</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Hellyerite . . . . . NiCO<sub>3</sub> • 6H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 260
- A Helmutwinklerite . . . . . PbZn<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub> • 2H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1980), 118
- D Helvetan . . . . . K, Ca, Mg, Fe, Al, Si, O (?)  
Canadian Mineralogist 36 (1998), 905
- A Hematite . . . . . Fe<sub>2</sub>O<sub>3</sub>  
Mineralogical Magazine 38 (1971), 103
- A Hemihedrite . . . . . ZnPb<sub>10</sub>(CrO<sub>4</sub>)<sub>6</sub>(SiO<sub>4</sub>)<sub>2</sub>F<sub>2</sub>  
American Mineralogist 55 (1970), 1088
- A Hemimorphite . . . . . Zn<sub>4</sub>Si<sub>2</sub>O<sub>7</sub>(OH)<sub>2</sub> • H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 263
- A Hemloite . . . . . (Ti, V<sup>3+</sup>, Fe<sup>2+</sup>, Al)<sub>12</sub>(As<sup>3+</sup>, Sb<sup>3+</sup>)<sub>2</sub>O<sub>23</sub>(OH)  
Canadian Mineralogist 27 (1989), 427
- A Hemusite . . . . . Cu<sub>6</sub>SnMoS<sub>8</sub>  
American Mineralogist 56 (1971), 1847
- A Hendersonite . . . . . Ca<sub>1+x</sub>(V<sup>5+</sup>, V<sup>4+</sup>)O<sub>16</sub> • 6H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 132
- A Hendricksite . . . . . K(Zn, Mg, Mn<sup>2+</sup>)<sub>3</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(OH)<sub>2</sub>  
American Mineralogist 51 (1966), 1107
- A Heneuite . . . . . CaMg<sub>5</sub>(PO<sub>4</sub>)<sub>3</sub>(CO<sub>3</sub>)(OH)  
Neues Jahrbuch für Mineralogie, Monatshefte (1986), 343
- A Henmilite . . . . . Ca<sub>2</sub>Cu[B(OH)<sub>4</sub>]<sub>2</sub>(OH)<sub>4</sub>  
American Mineralogist 71 (1986), 1234

- A Hennomartinite . . . . .  $\text{SrMn}^{3+}\text{Si}_2\text{O}_7(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Schweizerische Mineralogische und Petrographische Mitteilungen **73** (1993), 349
- A Henritermierite . . . . .  $\text{Ca}_3(\text{Mn}^{3+}, \text{Al})_2[(\text{SiO}_4)_2(\text{OH})_4]_3$   
Bulletin de la Société Française de Minéralogie et de Cristallographie **92** (1969), 185
- A Henryite . . . . .  $\text{Cu}_4\text{Ag}_3\text{Te}_4$   
Bulletin de Minéralogie **106** (1983), 511
- A Henrymeyerite . . . . .  $\text{BaTi}_7\text{Fe}^{2+}\text{O}_{16}$   
Canadian Mineralogist **38** (2000), 617
- A Hentschelite . . . . .  $\text{CuFe}_2^{3+}(\text{PO}_4)_2(\text{OH})_2$   
American Mineralogist **72** (1987), 404
- D Henwoodite . . . . .  $\text{CuAl}_6(\text{PO}_4)_4(\text{OH})_8 \cdot 5\text{H}_2\text{O}$   
Chemie der Erde **21** (1961), 97
- D Hercynite (of Zappe) . . . . .  $(\text{Ba}, \text{K})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), 1571
- D Herregrundite . . . . .  $\text{CaCu}_4(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine **33** (1962), 262
- D Herschelite . . . . .  $(\text{Na}, \text{Ca}, \text{K})(\text{Si}, \text{Al})_3\text{O}_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), 1571
- A Heterogenite . . . . .  $\text{CoO}(\text{OH})$   
Mineralogical Magazine **36** (1967), 133
- D Heterophyllite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36** (1998), 905
- D Heterotype . . . . .  $\text{Ca}, \text{Mg}, \text{Al}, \text{Si}, \text{O}$   
American Mineralogist **63** (1978), 1023
- D Heubachite . . . . .  $(\text{Co}, \text{Ni})\text{O}(\text{OH})$   
Mineralogical Magazine **33** (1962), 253
- R Heulandite-Ca . . . . .  $(\text{Ca}, \text{Na}, \text{K})_5(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 24\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), 1571
- A Heulandite-K . . . . .  $(\text{K}, \text{Ca}, \text{Na})_5(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 24\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), 1571
- A Heulandite-Na . . . . .  $(\text{Na}, \text{Ca}, \text{K})_5(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 24\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), 1571
- A Heulandite-Sr . . . . .  $(\text{Sr}, \text{Na}, \text{K})_5(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 24\text{H}_2\text{O}$   
Canadian Mineralogist **35** (1997), 1571
- D Hexabolite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{O}, \text{OH})_2$   
American Mineralogist **63** (1978), 1023
- A Hexaferrum . . . . .  $(\text{Fe}, \text{Os}, \text{Ru}, \text{Ir})$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **127** (1998) (5), 41
- D Hexagonal mica . . . . .  $\text{K}, \text{Al}, \text{Si}, \text{O}$  (?)  
Canadian Mineralogist **36** (1998), 905
- D Hexagonite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Mn})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63** (1978), 1023
- A Hexahydroborite . . . . .  $\text{Ca}[\text{B}(\text{OH})_4]_2 \cdot 2\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **106** (1977), 691
- D Hexastannite . . . . .  $\text{Cu}_3\text{Fe}_2\text{SnS}_6$   
Mineralogical Magazine **33** (1962), 261
- D Hexastibiopalladite . . . . .  $(\text{Pd}, \text{Ni})\text{Sb}$   
Mineralogical Magazine **43** (1980), 1055
- A Heyite . . . . .  $\text{Pb}_5\text{Fe}_2^{2+}\text{O}_4(\text{VO}_4)_2$   
Mineralogical Magazine **39** (1973), 65
- A Heyrovskýite . . . . .  $(\text{Pb}, \text{Ag}, \text{Bi})_6\text{Bi}_2\text{S}_9$

- Mineralium Deposita 6 (1971), 133
- A Hiärneite . . . . .  $\text{Ca}_2(\text{Zr}, \text{Ti})_5(\text{Sb}^{5+}, \text{Mn}^{3+})_2\text{O}_{16}$   
European Journal of Mineralogy 9 (1997), 843
- A Hibbingite . . . . .  $(\text{Fe}^{2+}, \text{Mg})_2(\text{OH})_3\text{Cl}$   
American Mineralogist 79 (1994), 555
- R Hibschite . . . . .  $\text{Ca}_3\text{Al}_2[\text{SiO}_4, (\text{OH})_4]_3$   
Bulletin de Minéralogie 107 (1984), 605
- R Hidalgoite . . . . .  $\text{PbAl}_3(\text{SO}_4)(\text{AsO}_4)(\text{OH})_6$   
American Mineralogist 72 (1987), 178
- D Hiddenite . . . . .  $\text{LiAlSi}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Hilairite . . . . .  $\text{Na}_2\text{ZrSi}_3\text{O}_9 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 12 (1974), 237
- R Hilgardite-1A . . . . .  $(\text{Ca}, \text{Sr})_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}$   
American Mineralogist 70 (1985), 636
- R Hilgardite-3A . . . . .  $\text{Ca}_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 57 (1993), 756
- R Hilgardite-4M . . . . .  $\text{Ca}_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}$   
American Mineralogist 70 (1985), 636
- D Hillängsite . . . . .  $\text{Mn}_2(\text{Fe}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Hillite . . . . .  $\text{Ca}_2(\text{Zn}, \text{Mg})(\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 41 (2003), 981
- R Hingganite-(Y) . . . . .  $\text{Be}(\text{Y}, \text{Ce})\text{SiO}_4(\text{OH})$   
Geological Review (Beijing) 27 (1984), 459
- A Hingganite-(Yb) . . . . .  $\text{Be}(\text{Yb}, \text{Y}, \text{Er}, \text{Lu}, \text{Ca}, \text{Tm})\text{SiO}_4(\text{OH})$   
Doklady Akademiia Nauk, SSSR (USSR) 270 (1983), 1188
- R Hinsdalite . . . . .  $(\text{Pb}, \text{Sr})\text{Al}_3(\text{SO}_4)(\text{PO}_4)(\text{OH})_6$   
American Mineralogist 72 (1987), 178
- R Hiortdahlite I . . . . .  $\text{Na}_4\text{Ca}_8\text{Zr}_2(\text{Nb}, \text{Mn}, \text{Ti}, \text{Fe}, \text{Mg}, \text{Al})_2(\text{Si}_2\text{O}_7)_4\text{O}_3\text{F}_5$   
Mineralogy and Petrology 37 (1987), 25
- A Hocartite . . . . .  $\text{Ag}_2(\text{Fe}, \text{Zn})\text{SnS}_4$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 91 (1968), 383
- A Hochelagaite . . . . .  $(\text{Ca}, \text{Na}, \text{Sr})\text{Nb}_4\text{O}_{11} \cdot 8\text{H}_2\text{O}$   
Canadian Mineralogist 24 (1986), 449
- A Hodrushite . . . . .  $\text{Cu}_4\text{Bi}_6\text{S}_{11}$   
Mineralogical Magazine 37 (1970), 641
- D Hoefnerite . . . . .  $\text{Na}_2\text{B}_5\text{O}_8(\text{OH}) \cdot \text{H}_2\text{O}$   
American Mineralogist 48 (1963), 709
- D Hoepfnerite . . . . .  $\text{Ca}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Hoganite . . . . .  $\text{Cu}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 66 (2002), 459
- D Högauite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Högbomite-8H . . . . .  $(\text{Al}, \text{Fe}^{2+}, \text{Mg}, \text{Ti})_{22}(\text{O}, \text{OH})_{32}$   
European Journal of Mineralogy 14 (2002), 389
- A Høgtuvaite . . . . .  $(\text{Ca}, \text{Na})_2(\text{Fe}^{2+}, \text{Fe}^{3+}, \text{Ti})_6(\text{Si}, \text{Be}, \text{Al})_6\text{O}_{20}$   
Canadian Mineralogist 32 (1994), 439
- D Högtveitite . . . . .  $\text{Y}_3\text{Si}_3\text{O}_{10}(\text{OH})$   
Mineralogical Magazine 38 (1971), 102

- A Holdawayite . . . . .  $\text{Mn}_6^{2+}(\text{CO}_3)_2(\text{OH})_7(\text{Cl}, \text{OH})$   
 American Mineralogist 73 (1988), 632
- A Hollingworthite . . . . .  $(\text{Rh}, \text{Pt}, \text{Pd})\text{AsS}$   
 American Mineralogist 50 (1965), 1068
- D Holmesite . . . . .  $\text{CaMg}_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Holmite . . . . .  $\text{CaMg}_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- R Holmquistite . . . . .  $\square\text{Li}_2(\text{Mg}, \text{Fe}^{2+}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- A Holtedahllite . . . . .  $\text{Mg}_{12}(\text{PO}_3\text{OH}, \text{CO}_3)(\text{PO}_4)_5(\text{OH}, \text{O})_6$   
 Lithos 12 (1979), 283
- A Holtite . . . . .  $(\text{Al}, \text{Ta})_7\text{B}(\text{Si}, \text{Sb})_3\text{O}_{15}(\text{O}, \text{OH})_{2.25}$   
 Mineralogical Magazine 38 (1971), 21
- D Holzasbest . . . . .  $\text{Ca}, \text{Mg}, \text{Si}, \text{O}, \text{OH}$   
 American Mineralogist 63 (1978), 1023
- A Honessite . . . . .  $(\text{Ni}, \text{Fe}^{3+})_9(\text{SO}_4)_2(\text{OH})_{18} \cdot n\text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 261
- D Hongquiite . . . . .  $\text{TiO}$   
 American Mineralogist 72 (1987), 1031
- D Hormites . . . . .  $\text{Mg}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 261
- A Horváthite-(Y) . . . . .  $\text{NaY}(\text{CO}_3)\text{F}_2$   
 Canadian Mineralogist 35 (1997), 743
- A Hotsonite . . . . .  $\text{Al}_5(\text{SO}_4)(\text{PO}_4)(\text{OH})_{10} \cdot 8\text{H}_2\text{O}$   
 American Mineralogist 69 (1984), 979
- A Howardevansite . . . . .  $\text{NaCu}^{2+}\text{Fe}_2^{3+}(\text{VO}_4)_3$   
 American Mineralogist 73 (1988), 181
- A Howieite . . . . .  $\text{Na}(\text{Fe}^{2+}, \text{Fe}^{3+}, \text{Al}, \text{Mg})_{12}(\text{Si}_6\text{O}_{17})_2(\text{O}, \text{OH})_{10}$   
 American Mineralogist 50 (1965), 278
- D Hsiang-hua-shih . . . . .  $\text{Ca}_3\text{Li}_2\text{Be}_3(\text{SiO}_4)_3\text{F}_2$   
 Canadian Mineralogist 35 (1997), 1571
- A Huanghoite-(Ce) . . . . .  $\text{BaCe}(\text{CO}_3)_2\text{F}$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Huangite . . . . .  $\text{Ca}_{0.5}\text{Al}_3(\text{SO}_4)_2(\text{OH})_6$   
 American Mineralogist 77 (1992), 1275
- A Hubeite . . . . .  $\text{Ca}_2\text{Mn}^{2+}\text{Fe}^{3+}\text{Si}_4\text{O}_{12}(\text{OH}) \cdot 2\text{H}_2\text{O}$   
 Mineralogical Record 33 (2002), 465
- D Hudsonite . . . . .  $\text{Na}, \text{Ca}, \text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{OH}$   
 American Mineralogist 63 (1978), 1023
- A Huemulite . . . . .  $\text{Na}_4\text{MgV}_{10}^{5+}\text{O}_{28} \cdot 24\text{H}_2\text{O}$   
 American Mineralogist 51 (1966), 1
- A Humberstonite . . . . .  $\text{K}_3\text{Na}_7\text{Mg}_2(\text{SO}_4)_6(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$   
 Mineralogical Society of America Annual Meeting, Program Abstracts 1967, 59
- A Hunchunite . . . . .  $\text{Au}_2\text{Pb}$   
 Acta Mineralogica Sinica (in Chinese) 12 (1992), 319
- A Hungchaoite . . . . .  $\text{MgB}_4\text{O}_5(\text{OH})_4 \cdot 7\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 132
- D Hydrargillite . . . . .  $\text{Al}(\text{OH})_3$   
 Mineralogical Magazine 33 (1962), 263
- D Hydroamesite . . . . .  $\text{Mg}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 261

- R Hydrobiotite . . . . .  $K(Mg, Fe^{2+})_6(Si, Al)_8O_{20}(OH)_4 \cdot nH_2O$   
American Mineralogist 68 (1983), 420
- D Hydrocalcite . . . . .  $CaCO_3 \cdot H_2O$   
Mineralogical Magazine 43 (1980), 1055
- D Hydrocastorite . . . . .  $Na, Ca, Al, Si, O, H_2O$   
Mineralogical Magazine 33 (1962), 262
- D Hydrocatapleiite . . . . .  $Na, Zr, Si, O, H_2O$   
Mineralogical Magazine 36 (1967), 133
- D Hydrocerite . . . . .  $(Ce, La, Th)(Ti, Nb)AlSi_2O_7(OH)_4 \cdot 3H_2O$   
Mineralogical Magazine 33 (1962), 261
- D Hydrochlore . . . . .  $(Ca, Na)_2(Nb, Ta)_2O_6(OH, F)$   
American Mineralogist 62 (1977), 403
- D Hydrocyanite . . . . .  $CuSO_4$   
American Mineralogist 72 (1987), 1031
- A Hydrodelhayelite . . . . .  $KCa_2(Si_7Al)O_{17}(OH)_2 \cdot 6H_2O$   
American Mineralogist 72 (1987), 1024
- A Hydrodresserite . . . . .  $BaAl_2(CO_3)_2(OH)_4 \cdot 3H_2O$   
Canadian Mineralogist 15 (1977), 399
- D Hydrogen autunite . . . . .  $(H_3O)_2UO_2(PO_4)_2 \cdot 6H_2O$   
Mineralogical Record 19 (1988), 249
- A Hydroglauberite . . . . .  $Na_{10}Ca_3(SO_4)_8 \cdot 6H_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 98 (1969), 59
- D Hydrohalloysite . . . . .  $Al_2Si_2O_5(OH)_4 \cdot 2H_2O$   
Mineralogical Magazine 36 (1967), 133
- A Hydrohonestite . . . . .  $(Ni, Fe^{3+})_9(SO_4)_2(OH)_{18} \cdot 7H_2O$   
Mineralogical Magazine 44 (1981), 333
- D Hydrokassite . . . . .  $Ti, Ca, Fe$   
Mineralogical Magazine 36 (1968), 1144
- D Hydrolite . . . . .  $(Na, Ca)(Al, Si)_6O_{12} \cdot 6H_2O$   
American Mineralogist 44 (1959), 1327
- A Hydrombobomkulite . . . . .  $(Ni, Cu)Al_4(NO_3)_2(SO_4)(OH)_{12} \cdot 14H_2O$   
Annals Geological Survey of South Africa 14 (2) (1980), 1
- D Hydromicas . . . . .  $K, Al, Mg, Si, H_2O$   
Canadian Mineralogist 36 (1998), 905
- D Hydromolysite . . . . .  $FeCl_3 \cdot 6H_2O$   
Mineralogical Magazine 36 (1968), 1144
- D Hydromuscovite . . . . .  $(K, H_3O)Al_2(Si_3Al)O_{10}(H_2O, OH)_2$   
Canadian Mineralogist 36 (1998), 905
- D Hydronatrolite . . . . .  $Na_2(Al_2Si_3)O_{10} \cdot 2H_2O$   
American Mineralogist 44 (1959), 1327
- D Hydronaujakasite . . . . .  $Na, K, Fe, Mn, Al, Si, O, H_2O$   
Mineralogical Magazine 38 (1971), 103
- D Hydronephelite . . . . .  $Na, Al, Si, O, H_2O$   
Canadian Mineralogist 35 (1997), 1571
- R Hydronium jarosite . . . . .  $(H_3O)Fe_3^{3+}(SO_4)_2(OH)_6$   
American Mineralogist 72 (1987), 178
- D Hydroparagonite . . . . .  $(Na, H_3O)(Al, Mg, Fe)_2(Si, Al)_4O_{10} \cdot nH_2O$   
Canadian Mineralogist 36 (1998), 905
- D Hydrophlogopite . . . . .  $K, Mg, Al, Si, O, H_2O (?)$   
Canadian Mineralogist 36 (1998), 905
- D Hydropolythionite . . . . .  $Li, Al, Si, O, H_2O (?)$   
Canadian Mineralogist 36 (1998), 905



- D Hydropyrochlore . . . . . Na, Ca, Nb, O, OH  
 American Mineralogist 62 (1977), 403
- D Hydrorinkite . . . . .  $(\text{Na}, \text{Ca})_3(\text{Ca}, \text{Ce})_4(\text{Ti}, \text{Nb}, \text{Al}, \text{Zr})(\text{Si}_2\text{O}_7)_2(\text{O}, \text{F})_4$   
 Mineralogical Magazine 43 (1980), 1055
- A Hydroromarchite . . . . .  $\text{Sn}_3^{2+}\text{O}_2(\text{OH})_2$   
 Canadian Mineralogist 10 (1971), 916
- D Hydrosericite . . . . .  $\text{KAl}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH}, \text{F})_2 \cdot n\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1968), 1144
- D Hydrosodalite . . . . .  $\text{Na}_8\text{Al}_6\text{Si}_6\text{O}_{24}(\text{OH})_2 \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 261
- D Hydrougrandite . . . . . Ca, Al, Fe, Si, H<sub>2</sub>O  
 Mineralogical Magazine 36 (1967), 133
- A Hydrowoodwardite . . . . .  $(\text{Cu}, \text{Al})_9(\text{SO}_4)_2(\text{OH})_{18} \cdot n\text{H}_2\text{O}$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1999), 75
- A Hydroxyapophyllite . . . . .  $\text{KC}_4\text{Si}_8\text{O}_{20}(\text{OH}, \text{F}) \cdot 8\text{H}_2\text{O}$   
 American Mineralogist 63 (1978), 196
- A Hydroxycancrinite . . . . .  $(\text{Na}, \text{Ca}, \text{K})_8(\text{AlSi})_6\text{O}_{24}(\text{OH}, \text{CO}_3)_2 \cdot 2\text{H}_2\text{O}$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 121 (1992) (1), 100
- D Hydroxyl-annite . . . . .  $\text{K}(\text{Fe}, \text{Mg})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Hydroxyl-ascharite . . . . . Mg, B, O, H<sub>2</sub>O  
 Mineralogical Magazine 36 (1968), 1144
- A Hydroxyl-bastnäsité-(Ce) . . . . .  $(\text{Ce}, \text{La})\text{CO}_3(\text{OH}, \text{F})$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Hydroxyl-bastnäsité-(Nd) . . . . .  $(\text{Nd}, \text{Ce}, \text{La})\text{CO}_3(\text{OH}, \text{F})$   
 Mineralogical Magazine 49 (1985), 717
- D Hydroxyl-biotite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Hydroxylclinohumite . . . . .  $\text{Mg}_9\text{Si}_4\text{O}_{16}(\text{OH}, \text{F})_2$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 128 (1999) (5), 64
- A Hydroxyllellstadite . . . . .  $\text{Ca}_{10}(\text{SiO}_4)_3(\text{SO}_4)_3(\text{OH}, \text{Cl}, \text{F})_2$   
 American Mineralogist 56 (1971), 1507
- D Hydroxyl-szajbelyite . . . . . Mg, B, O, H<sub>2</sub>O  
 Mineralogical Magazine 36 (1968), 1144
- A Hypercinnabar . . . . . HgS  
 American Mineralogist 63 (1978), 1143
- D Hypersthene . . . . .  $(\text{Fe}, \text{Mg})\text{SiO}_3$   
 Mineralogical Magazine 52 (1988), 535
- D Hypodesmine . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_{13}\text{O}_{36} \cdot 14\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- D Hypostilbite . . . . . Na, Ca, Al, Si, O, H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Hyttsjöite . . . . .  $\text{Pb}_{18}\text{Ba}_2\text{Ca}_5\text{Mn}_2^{2+}\text{Fe}_2^{3+}\text{Si}_{30}\text{O}_{90}\text{Cl} \cdot 6\text{H}_2\text{O}$   
 American Mineralogist 81 (1996), 743
- D Iberite (of Svanberg) . . . . . K, Al, Si, O  
 Canadian Mineralogist 36 (1998), 905
- D Idocrase . . . . .  $(\text{Ca}, \text{Na})_{19}(\text{Al}, \text{Mg}, \text{Fe})_{13}(\text{SiO}_4)_{10}(\text{Si}_2\text{O}_7)_4(\text{OH}, \text{F}, \text{O})_{10}$   
 American Mineralogist 72 (1987), 1031
- D Idrocastorite . . . . . Na, K, Li, Ca, Al, Si, O, H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Igalikite . . . . . K, Na, Al, Si, O, H<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 262

- D Igdloite . . . . . NaNbO<sub>3</sub>  
 Mineralogical Magazine 33 (1962), 261
- A Iimoriite-(Y) . . . . . Y<sub>2</sub>(SiO<sub>4</sub>)(CO<sub>3</sub>)  
 Introduction to Japanese Minerals (1970), 39, 85
- A Ikaite . . . . . CaCO<sub>3</sub>•6H<sub>2</sub>O  
 Naturens Verden (1963)
- A Ikranite . . . . . (Na, H<sub>3</sub>O)<sub>15</sub>(Ca, Mn, REE)<sub>6</sub>Fe<sub>2</sub><sup>3+</sup>Zr<sub>3</sub>Si<sub>24</sub>O<sub>66</sub>(O, OH)<sub>6</sub>Cl•nH<sub>2</sub>O  
 Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003), 22
- A Ikunolite . . . . . Bi<sub>4</sub>(S, Se)<sub>3</sub>  
 Mineralogical Magazine 33 (1962), 260
- A Ilímaussite-(Ce) . . . . . Na<sub>4</sub>Ba<sub>2</sub>CeFe<sup>3+</sup>Nb<sub>2</sub>Si<sub>8</sub>O<sub>28</sub>•5H<sub>2</sub>O  
 Meddelelser om Grønland 181 (1968) (7), 3
- A Ilinskite . . . . . NaCu<sub>5</sub>O<sub>2</sub>(Se<sup>4+</sup>O<sub>3</sub>)<sub>2</sub>Cl<sub>3</sub>  
 Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
 Sections 353A (1997), 352
- g Illite . . . . . (K, H<sub>3</sub>O)Al<sub>2</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(H<sub>2</sub>O, OH)<sub>2</sub>  
 Canadian Mineralogist 36 (1998), 905
- A Ilmajokite . . . . . (Na, Ce, Ba)<sub>10</sub>Ti<sub>5</sub>Si<sub>14</sub>O<sub>22</sub>(OH)<sub>44</sub>•nH<sub>2</sub>O  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 101 (1972), 75
- A Iltisite . . . . . HgAgS(Cl, Br)  
 Archives des Sciences (Geneva) 50 (1997), 1
- A Imandrite . . . . . Na<sub>12</sub>Ca<sub>3</sub>Fe<sub>2</sub><sup>3+</sup>Si<sub>12</sub>O<sub>36</sub>  
 Mineralogicheskii Zhurnal 1 (1979) (1), 89
- D Imerinite . . . . . Na<sub>3</sub>(Fe<sup>2+</sup>, Mg, Fe<sup>3+</sup>)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- A Imhofite . . . . . (Ti, □)<sub>3</sub>As<sub>8</sub>S<sub>13</sub>  
 Mineralogical Magazine 38 (1971), 103
- A Imiterite . . . . . Ag<sub>2</sub>HgS<sub>2</sub>  
 Bulletin de Minéralogie 108 (1985), 457
- R Imogolite . . . . . Al<sub>2</sub>SiO<sub>3</sub>(OH)<sub>4</sub>  
 Mineralogical Magazine 51 (1987), 327
- A Inaglyite . . . . . PbCu<sub>3</sub>(Ir, Pt)<sub>8</sub>S<sub>16</sub>  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 712
- A Incaite . . . . . (Pb, Ag)<sub>4</sub>FeSn<sub>4</sub>Sb<sub>2</sub>S<sub>14</sub>  
 Neues Jahrbuch für Mineralogie, Monatshefte (1974), 235
- A Inderite . . . . . MgB<sub>3</sub>O<sub>3</sub>(OH)<sub>5</sub>•5H<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 262
- A Indigirite . . . . . Mg<sub>2</sub>Al<sub>2</sub>(CO<sub>3</sub>)<sub>4</sub>(OH)<sub>2</sub>•15H<sub>2</sub>O  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 100 (1971), 178
- A Indite . . . . . FeIn<sub>2</sub>S<sub>4</sub>  
 Mineralogical Magazine 36 (1967), 132
- A Indium . . . . . In  
 Mineralogical Magazine 36 (1968), 1144
- A Ingersonite . . . . . Ca<sub>3</sub>Mn<sup>2+</sup>Sb<sub>4</sub><sup>5+</sup>O<sub>14</sub>  
 American Mineralogist 73 (1988), 405
- A Ingodite . . . . . Bi<sub>2</sub>TeS  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 594
- A Innelite . . . . . Na<sub>2</sub>Ba<sub>4</sub>CaTi<sub>3</sub>O<sub>4</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>  
 Mineralogical Magazine 36 (1967), 132
- A Insizwaite . . . . . Pt(Bi, Sb)<sub>2</sub>  
 Mineralogical Magazine 38 (1972), 794
- A Intersilite . . . . . Na<sub>6</sub>Mn(Ti, Nb)Si<sub>10</sub>(O, OH)<sub>28</sub>•4H<sub>2</sub>O

- Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 125 (1996) (4), 79
- A Iodargyrite . . . . . AgI  
 Mineralogical Magazine 33 (1962), 263
- D Iodyrite . . . . . AgI  
 Mineralogical Magazine 33 (1962), 263
- A Iowaite . . . . .  $Mg_6Fe_2^{3+}(OH)_{16}Cl_2 \cdot 4H_2O$   
 American Mineralogist 52 (1967), 1261
- A Iquiqueite . . . . .  $K_3Na_4MgCrB_{24}O_{39}(OH)_6 \cdot 9H_2O$   
 American Mineralogist 71 (1986), 830
- A Iranite . . . . .  $CuPb_{10}(CrO_4)_6(SiO_4)_2(OH)_2$   
 Mineralogical Magazine 43 (1980), 1054
- A Iraqite-(La) . . . . .  $KCa_4(La, Ce, Th)_2Si_{16}O_{40}$   
 Mineralogical Magazine 40 (1976), 441
- A Irarsite . . . . . (Ir, Ru, Rh, Pt)AsS  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 95 (1966), 700
- A Irhtemite . . . . .  $Ca_4MgH_2(AsO_4)_4 \cdot 4H_2O$   
 Bulletin de la Société Française de Minéralogie et de Cristallographie 95 (1972), 365
- A Iridarsenite . . . . . (Ir, Ru)As<sub>2</sub>  
 Canadian Mineralogist 12 (1974), 280
- R Iridium . . . . . Ir  
 Canadian Mineralogist 29 (1991), 231
- D Iridosmine . . . . . (Os, Ir)  
 Canadian Mineralogist 29 (1991), 231
- D Iron-anthophyllite . . . . .  $(Fe, Mg)_7Si_8O_{22}(OH)_2$   
 American Mineralogist 63 (1978), 1023
- D Iron-hornblende . . . . .  $Ca_2(Fe^{2+}, Fe^{3+}, Mg)_5(Si, Al)_8O_{22}(O, OH)_2$   
 American Mineralogist 63 (1978), 1023
- D Iron mica . . . . .  $K(Fe, Mg)_3(Si, Al)_4O_{10}(OH)_2$   
 Canadian Mineralogist 36 (1998), 905
- D Fe Muscovite . . . . . K, Fe, Al, Si, O (?)  
 Canadian Mineralogist 36 (1998), 905
- D Iron muscovite . . . . . K, Fe, Al, Si, O (?)  
 Canadian Mineralogist 36 (1998), 905
- D Iron-richterite . . . . .  $Na_2CaFe_5^{2+}Si_8O_{22}(OH)_2$   
 American Mineralogist 63 (1978), 1023
- D Iron-sericite . . . . .  $(K, H_3O)(Al, Fe)_2(Si_3Al)O_{10}(H_2O, OH)_2$   
 Canadian Mineralogist 36 (1998), 905
- D Fe-shafranovskite . . . . .  $H_6(Na, K)_6(Fe, Mn)_3Si_9O_{27} \cdot 3H_2O$   
 American Mineralogist 75 (1990), 432
- A Irtysite . . . . .  $Na_2(Ta, Nb)_4O_{11}$   
 Mineralogicheskii Zhurnal 7 (1985) (3), 83
- D Irvingite . . . . .  $(K, Li)Al_2(Si, Al)_4O_{10}(OH)_2$   
 Canadian Mineralogist 36 (1998), 905
- D Isabellite . . . . .  $Na_2Ca(Mg, Fe^{2+})_5Si_8O_{22}(OH)_2$   
 American Mineralogist 63 (1978), 1023
- D Ishiganeite . . . . . K, Na, Mn, O, H<sub>2</sub>O  
 American Mineralogist 48 (1963), 952
- D Isinglas . . . . .  $KAl_2(Si, Al)_4O_{10}(OH)_2$   
 Canadian Mineralogist 36 (1998), 905
- A Isocubanite . . . . .  $CuFe_2S_3$   
 Mineralogical Magazine 52 (1988), 509

- A Isoferroplatinum . . . . . (Pt, Pd)<sub>3</sub>(Fe, Cu)  
Canadian Mineralogist 13 (1975), 117
- A Isolueshite . . . . . NaNbO<sub>3</sub>  
European Journal of Mineralogy 9 (1997), 483
- A Isomertieite . . . . . Pd<sub>11</sub>(Sb, As)<sub>4</sub>  
Mineralogical Magazine 39 (1974), 528
- D Isoplatincopper . . . . . Cu, Pt  
Mineralogical Magazine 43 (1980), 1055
- D Isostannite . . . . . Cu<sub>2</sub>FeSnS<sub>4</sub>  
Canadian Mineralogist 27 (1989), 673
- A Isovite . . . . . (Cr, Fe)<sub>23</sub>C<sub>6</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 127 (1998) (5), 26
- D Isowolframite . . . . . Mn, Fe, W, O  
Mineralogical Magazine 43 (1980), 1055
- A Itoigawaite . . . . . SrAl<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>(OH)<sub>2</sub>•H<sub>2</sub>O  
Mineralogical Magazine 63 (1999), 909
- A Itoite . . . . . Pb<sub>3</sub>GeO<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>  
Mineralogical Magazine 33 (1962), 260
- D Ivigtite . . . . . Na, Fe, Al, Si, O  
Canadian Mineralogist 36 (1998), 905
- A Iwakiite . . . . . Mn<sup>2+</sup>(Fe<sup>3+</sup>, Mn<sup>3+</sup>)<sub>2</sub>O<sub>4</sub>  
Mineralogical Journal (Tokyo) 9 (1979), 383
- R Ixiolite . . . . . (Ta, Mn, Nb)O<sub>2</sub>  
Annual Meeting of the Geological Society of America, Program Abstracts (1962),  
111A
- A Izoklakeite . . . . . (Pb, Ag)<sub>26.5</sub>(Cu, Fe)<sub>2</sub>(Sb, Bi)<sub>19.5</sub>S<sub>57</sub>  
Canadian Mineralogist 24 (1986), 1
- A Jáchymovite . . . . . (UO<sub>2</sub>)<sub>8</sub>(SO<sub>4</sub>)(OH)<sub>14</sub>•13H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Abhandlungen 170 (1996), 155
- A Jacobsite . . . . . (Mn<sup>2+</sup>, Fe<sup>2+</sup>, Mg)(Fe<sup>3+</sup>, Mn<sup>3+</sup>)<sub>2</sub>O<sub>4</sub>  
Mineralogical Magazine 43 (1980), 1054
- A Jadeite . . . . . Na(Al, Fe<sup>3+</sup>)Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- D Jadeite-aegirine . . . . . Na(Al, Fe<sup>3+</sup>)(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- D Jadeite-aegirite . . . . . Na(Al, Fe<sup>3+</sup>)(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Jaffeite . . . . . Ca<sub>6</sub>Si<sub>2</sub>O<sub>7</sub>(OH)<sub>6</sub>  
American Mineralogist 74 (1989), 1203
- A Jagowerite . . . . . BaAl<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 12 (1973), 135
- R Jahnsite-(CaMnFe) . . . . . CaMn<sup>2+</sup>Fe<sub>2</sub><sup>2+</sup>Fe<sub>2</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>2</sub>•8H<sub>2</sub>O  
Mineralogical Magazine 42 (1978), 309
- R Jahnsite-(CaMnMg) . . . . . CaMn<sup>2+</sup>(Mg, Fe<sup>2+</sup>)<sub>2</sub>Fe<sub>2</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>2</sub>•8H<sub>2</sub>O  
Mineralogical Magazine 42 (1978), 309
- A Jahnsite-(CaMnMn) . . . . . CaMn<sub>3</sub><sup>2+</sup>Fe<sub>2</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>2</sub>•8H<sub>2</sub>O  
American Mineralogist 75 (1990), 401
- A Jamborite . . . . . Ni(OH, S, O)<sub>2</sub>•nH<sub>2</sub>O (?)  
American Mineralogist 58 (1973), 835
- A Jamesite . . . . . Pb<sub>2</sub>Zn<sub>2</sub>(Fe<sup>3+</sup>, Zn)<sub>5</sub>(OH, O)<sub>10</sub>(AsO<sub>4</sub>)<sub>4</sub>  
Chemie der Erde 40 (1981), 105
- A Janggunitite . . . . . (Mn<sup>4+</sup>, Mn<sup>2+</sup>, Fe<sup>3+</sup>)<sub>6</sub>O<sub>8</sub>(OH)<sub>6</sub>

- Mineralogical Magazine 41 (1977), 519
- A Janhaugite . . . . .  $(\text{Na}, \text{Ca})_3(\text{Mn}^{2+}, \text{Fe}^{2+})_3(\text{Ti}, \text{Zr}, \text{Nb})_2(\text{Si}_2\text{O}_7)_2\text{O}_2(\text{OH}, \text{F})_2$   
 American Mineralogist 68 (1983), 1216
- A Jankovičite . . . . .  $\text{Tl}_5\text{Sb}_9(\text{As}, \text{Sb})_4\text{S}_{22}$   
 International Mineralogical Association, General Meeting Program Abstracts  
 (1994), 242
- A Jarosewichite . . . . .  $\text{Mn}^{3+}\text{Mn}_3^{2+}\text{AsO}_4(\text{OH})_6$   
 American Mineralogist 67 (1982), 1043
- R Jarosite . . . . .  $\text{KFe}_3^{3+}(\text{SO}_4)_2(\text{OH})_6$   
 American Mineralogist 72 (1987), 178
- A Jaskólskiite . . . . .  $\text{Pb}_{2.2}\text{Cu}_{0.2}(\text{Sb}, \text{Bi})_{1.8}\text{S}_5$   
 Canadian Mineralogist 22 (1984), 481
- A Jasmundite . . . . .  $\text{Ca}_{11}\text{O}_2(\text{SiO}_4)_4\text{S}$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1983), 337
- A Jeanbandyite . . . . .  $(\text{Fe}^{3+}, \text{Mn}^{2+})\text{Sn}^{4+}(\text{OH}, \text{O})_6$   
 Mineralogical Record 13 (1982), 235
- A Jedwabite . . . . .  $\text{Fe}_7(\text{Ta}, \text{Nb})_3$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 126 (1997) (2), 100
- D Jeffersonite . . . . .  $(\text{Ca}, \text{Mg}, \text{Zn})_2\text{Si}_2\text{O}_6$   
 Mineralogical Magazine 52 (1988), 535
- A Jeffreyite . . . . .  $(\text{Ca}, \text{Na})_2(\text{Be}, \text{Al})\text{Si}_2(\text{O}, \text{OH})_7$   
 Canadian Mineralogist 22 (1984), 443
- D Jenkinsite . . . . .  $(\text{Mg}, \text{Fe})_3\text{Si}_2\text{O}_5(\text{OH})_4$   
 American Mineralogist 47 (1962), 783
- A Jennite . . . . .  $\text{Ca}_9\text{Si}_6\text{O}_{16}(\text{OH})_{10} \cdot 6\text{H}_2\text{O}$   
 American Mineralogist 51 (1966), 56
- A Jensenite . . . . .  $\text{Cu}_3^{2+}\text{Te}^{6+}\text{O}_6 \cdot 2\text{H}_2\text{O}$   
 Canadian Mineralogist 34 (1996), 49
- A Jentschite . . . . .  $\text{TiPb}(\text{As}, \text{Sb})_3\text{S}_6$   
 Mineralogical Magazine 61 (1997), 131
- A Jeppite . . . . .  $(\text{K}, \text{Ba})_2(\text{Ti}, \text{Fe}^{3+})_6\text{O}_{13}$   
 Mineralogical Magazine 48 (1984), 263
- A Jerrygibbsite . . . . .  $\text{Mn}_5^{2+}(\text{SiO}_4)_4(\text{OH})_2$   
 American Mineralogist 69 (1984), 546
- A Jervisite . . . . .  $(\text{Na}, \text{Ca}, \text{Fe}^{2+})(\text{Sc}, \text{Mg}, \text{Fe}^{2+})\text{Si}_2\text{O}_6$   
 American Mineralogist 67 (1982), 599
- D Jezequite . . . . .  $\text{Na}_2\text{Ca}_4\text{Al}_4(\text{PO}_4)_4(\text{F}, \text{OH})_{10} \cdot 3\text{H}_2\text{O}$   
 American Mineralogist 47 (1962), 398
- A Jianshuiite . . . . .  $(\text{Mg}, \text{Mn}^{2+}, \text{Ca})\text{Mn}_3^{4+}\text{O}_7 \cdot 3\text{H}_2\text{O}$   
 Acta Mineralogica Sinica (in Chinese) 12 (1992), 69
- A Jimboite . . . . .  $\text{Mn}_3^{2+}(\text{BO}_3)_2$   
 Proceedings of the Japan Academy 39 (1963), 170
- A Jimthompsonite . . . . .  $(\text{Mg}, \text{Fe}^{2+})_5\text{Si}_6\text{O}_{16}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1000
- D Jiningite . . . . .  $\text{Th}, \text{Si}, \text{O}$   
 Mineralogical Magazine 33 (1962), 261
- A Jinshajiangite . . . . .  $\text{KNa}_2(\text{Ba}, \text{Ca})_2(\text{Fe}^{2+}, \text{Mn}^{2+})_8\text{Ti}_4(\text{Si}_2\text{O}_7)_4\text{O}_5(\text{F}, \text{OH})_5$   
 Geochemistry (China) 1 (1982), 459
- A Jixianite . . . . .  $(\text{Pb}, \square)_2(\text{W}, \text{Fe}^{3+})_2(\text{O}, \text{OH})_7$   
 Acta Geologica Sinica (in Chinese) 53 (1979), 46
- A Joaquinite-(Ce) . . . . .  $\text{NaBa}_2\text{Fe}^{2+}\text{Ti}_2\text{Ce}_2(\text{SiO}_3)_8\text{O}_2(\text{OH}) \cdot \text{H}_2\text{O}$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)

- A Joesmithite . . . . .  $\text{Pb}(\text{Ca}, \text{Na})_2(\text{Mg}, \text{Fe}^{3+}, \text{Fe}^{2+}, \text{Mn}^{2+})_5(\text{Si}, \text{Be})_8\text{O}_{22}(\text{OH}, \text{F})_2$   
Arkiv för Mineralogi och Geologi 4 (1968), 487
- R Johachidolite . . . . .  $\text{CaAlB}_3\text{O}_7$   
American Mineralogist 62 (1977), 327
- A Johannsenite . . . . .  $\text{Ca}(\text{Mn}^{2+}, \text{Fe}^{2+})\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Johillerite . . . . .  $\text{NaCu}(\text{Mg}, \text{Zn})_3(\text{AsO}_4)_3$   
Tschermaks Mineralogische und Petrographische Mitteilungen 29 (1982), 169
- A Johnbaumite . . . . .  $\text{Ca}_5(\text{AsO}_4)_3(\text{OH})$   
American Mineralogist 65 (1980), 1143
- A Johnnesite . . . . .  $\text{Na}_2\text{Mn}_9^{2+}(\text{Mg}, \text{Mn}^{2+})_7(\text{AsO}_4)_2(\text{Si}_6\text{O}_{17})_2(\text{OH})_8$   
Mineralogical Magazine 50 (1986), 667
- A Johnsomervilleite . . . . .  $\text{Na}_2\text{Ca}(\text{Fe}^{2+}, \text{Mg}, \text{Mn}^{2+})_7(\text{PO}_4)_6$   
Mineralogical Magazine 43 (1980), 833
- D Johnstonotite . . . . .  $\text{Mn}_3\text{Al}_2(\text{SiO}_4)_3$   
American Mineralogist 53 (1968), 1065
- A Johntomaite . . . . .  $\text{Ba}(\text{Fe}^{2+}, \text{Ca})_2\text{Fe}_2^{3+}(\text{PO}_4)_3(\text{OH})_3$   
Mineralogy and Petrology 70 (2000), 1
- A Johnwalkite . . . . .  $\text{K}(\text{Mn}^{2+}, \text{Fe}^{3+})_2(\text{Nb}, \text{Ta})\text{O}_2(\text{PO}_4)_2 \cdot 2(\text{H}_2\text{O}, \text{OH})$   
Neues Jahrbuch für Mineralogie, Monatshefte (1986), 115
- A Jôkokuite . . . . .  $\text{Mn}^{2+}\text{SO}_4 \cdot 5\text{H}_2\text{O}$   
Mineralogical Journal (Tokyo) 9 (1978), 28
- A Jolliffeite . . . . .  $\text{NiAsSe}$   
Canadian Mineralogist 29 (1991), 411
- A Jonesite . . . . .  $(\text{K}, \text{Na})\text{Ba}_2\text{Ti}_2\text{Al}_2(\text{Si}_5\text{Al})\text{O}_{18} \cdot n\text{H}_2\text{O}$   
Mineralogical Record 8 (1977), 453
- A Jørgensenite . . . . .  $\text{Na}_2(\text{Sr}, \text{Ba})_{14}\text{Na}_2\text{Al}_{12}\text{F}_{64}(\text{OH}, \text{F})_4$   
Canadian Mineralogist 35 (1997), 175
- A Jouravskite . . . . .  $\text{Ca}_3\text{Mn}^{4+}(\text{SO}_4)(\text{CO}_3)(\text{OH})_6 \cdot 12\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 88 (1965), 254
- A Juabite . . . . .  $\text{CaCu}_{10}(\text{TeO}_3)_4(\text{AsO}_4)_4(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Mineralogical Magazine 61 (1997), 139
- A Juanitaite . . . . .  $(\text{Cu}, \text{Ca}, \text{Fe})_{10}\text{Bi}(\text{AsO}_4)_4(\text{OH})_{11} \cdot 2\text{H}_2\text{O}$   
Mineralogical Record 31 (2000), 301
- D Juddite . . . . .  $\text{Na}_3(\text{Mg}, \text{Fe}^{2+}, \text{Fe}^{3+})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Julgoldite . . . . .  $\text{Ca}_2\text{Fe}^{2+}(\text{Fe}^{3+}, \text{Al})_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- R Julgoldite-(Fe<sup>2+</sup>) . . . . .  $\text{Ca}_2\text{Fe}^{2+}\text{Fe}_2^{3+}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- A Julgoldite-(Fe<sup>3+</sup>) . . . . .  $\text{Ca}_2\text{Fe}^{3+}\text{Fe}_2^{3+}(\text{Si}_2\text{O}_7)(\text{SiO}_4)\text{O}(\text{OH}) \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- R Julgoldite-(Mg) . . . . .  $\text{Ca}_2\text{MgFe}_2^{3+}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- A Jungite . . . . .  $\text{Ca}_2\text{Zn}_4\text{Fe}_8^{3+}(\text{PO}_4)_9(\text{OH})_9 \cdot 16\text{H}_2\text{O}$   
Aufschluss 31 (1980), 55
- A Junitoite . . . . .  $\text{CaZn}_2\text{Si}_2\text{O}_7 \cdot \text{H}_2\text{O}$   
American Mineralogist 61 (1976), 1255
- A Junoite . . . . .  $\text{Cu}_2\text{Pb}_3\text{Bi}_8(\text{S}, \text{Se})_{16}$   
Economic Geology 70 (1975), 369
- A Juonniite . . . . .  $\text{CaMgSc}(\text{PO}_4)_2(\text{OH}) \cdot 4\text{H}_2\text{O}$

- Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 126 (1997) (4), 80
- A Jurbanite . . . . .  $\text{AlSO}_4(\text{OH}) \cdot 5\text{H}_2\text{O}$   
American Mineralogist 61 (1976), 1
- A Kaatialaite . . . . .  $\text{Fe}^{3+}(\text{H}_2\text{AsO}_4)_3 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 69 (1984) 383
- A Kadyrelite . . . . .  $\text{Hg}_6^{1+}(\text{Br}, \text{Cl})_3\text{O}_{1.5}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 116 (1987), 733
- R Kaersutite . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Fe}^{2+})_4\text{Ti}(\text{Si}_6\text{Al}_2)\text{O}_{23}(\text{OH})$   
Canadian Mineralogist 35 (1997), 219
- A Kainosite-(Y) . . . . .  $\text{Ca}_2(\text{Y}, \text{Ce})_2(\text{SiO}_3)_4(\text{CO}_3) \cdot \text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031 (Abst.)
- D Kalamite . . . . .  $\text{Ca}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Kalborsite . . . . .  $\text{K}_6\text{Al}_4\text{BSi}_6\text{O}_{20}(\text{OH})_4\text{Cl}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 252 (1980), 131
- A Kalifersite . . . . .  $(\text{K}, \text{Na})_5\text{Fe}_7^{3+}\text{Si}_{20}\text{O}_{50}(\text{OH})_6 \cdot 12\text{H}_2\text{O}$   
European Journal of Mineralogy 10 (1998), 865
- D Kaliglimmer . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Kali-harmotome . . . . .  $(\text{K}, \text{Na}, \text{Ca})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Kalininite . . . . .  $\text{ZnCr}_2\text{S}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 622
- D Kalio-magnesio-katophorite . . . . .  $(\text{Na}, \text{K})_2\text{Ca}(\text{Mg}, \text{Fe}^{2+}, \text{Ti})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Kalipyrochlore . . . . .  $(\text{H}_2\text{O}, \text{K}, \text{Sr})_2(\text{Nb}, \text{Ti})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- A Kalistrontite . . . . .  $\text{K}_2\text{Sr}(\text{SO}_4)_2$   
Mineralogical Magazine 36 (1967), 132
- D Kalithomsonite . . . . .  $\text{KNaCaY}_2\text{Si}_6\text{O}_{12}(\text{OH}) \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Kalkharmotome . . . . .  $(\text{K}, \text{Na}, \text{Ca})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Kalkkreuzstein . . . . .  $(\text{K}, \text{Na}, \text{Ca})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Kamaishilite . . . . .  $\text{Ca}_2(\text{SiAl}_2)\text{O}_6(\text{OH})_2$   
Proceedings of the Japan Academy B57 (1981), 239
- D Kamarezite . . . . .  $\text{Cu}_4\text{SO}_4(\text{OH})_6$   
American Mineralogist 50 (1965), 1450
- A Kambaldaite . . . . .  $\text{NaNi}_4(\text{CO}_3)_3(\text{OH})_3 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 70 (1985), 419
- A Kamchatkite . . . . .  $\text{KCu}_3\text{O}(\text{SO}_4)_2\text{Cl}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 117 (1988), 459
- A Kamiokite . . . . .  $\text{Fe}_2^{2+}\text{Mo}_3^{4+}\text{O}_8$   
Mineralogical Journal (Tokyo) 12 (1985), 393
- A Kamitugaite . . . . .  $\text{PbAl}(\text{UO}_2)_5[(\text{P}, \text{As})\text{O}_4]_2(\text{OH})_9 \cdot 9.5\text{H}_2\text{O}$   
Bulletin de Minéralogie 107 (1984), 15
- A Kamotoite-(Y) . . . . .  $\text{Y}_2\text{O}_4(\text{UO}_2)_4(\text{CO}_3)_3 \cdot 14\text{H}_2\text{O}$   
Bulletin de Minéralogie 109 (1986), 643
- A Kampfite . . . . .  $\text{Ba}_6(\text{Si}, \text{Al})_8\text{O}_{16}(\text{CO}_3)_2\text{Cl}_2(\text{Cl}, \text{H}_2\text{O})_2$   
Canadian Mineralogist 39 (2001), 1053

- A Kamphaugite-(Y) . . . . .  $\text{Ca}_2(\text{Y, Dy, Gd, Nd})_2(\text{CO}_3)_4(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
*European Journal of Mineralogy* 5 (1993), 679
- D Kanaekinite . . . . .  $(\text{Th, U})(\text{Ca, Fe, Pb})_2\text{Si}_8\text{O}_{20}$   
*Mineralogical Magazine* 46 (1982), 514
- A Kanemite . . . . .  $\text{HNaSi}_2\text{O}_5 \cdot 3\text{H}_2\text{O}$   
*Bulletin de la Société Française de Minéralogie et de Cristallographie* 95 (1972), 371
- A Kaňkite . . . . .  $\text{Fe}^{3+}\text{AsO}_4 \cdot 3.5\text{H}_2\text{O}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (1976), 426
- A Kanoite . . . . .  $(\text{Mn}^{2+}, \text{Mg})\text{SiO}_3$   
*Journal of the Geological Society of Japan* 83 (1977), 537
- A Kanonaite . . . . .  $(\text{Mn}^{3+}, \text{Al})(\text{Al, Mn}^{3+})\text{OSiO}_4$   
*Contributions to Mineralogy and Petrology* 66 (1978), 325
- A Kanonerovite . . . . .  $\text{Na}_3\text{MnP}_3\text{O}_{10} \cdot 12\text{H}_2\text{O}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (2002), 117
- A Kaolinite . . . . .  $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$   
*Mineralogical Magazine* 43 (1980), 1054
- A Kapitsaite-(Y) . . . . .  $(\text{Ba, K, Pb})_4(\text{Y, Ca})_2\text{Si}_8(\text{B, Si})_4\text{O}_{28}\text{F}$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* 129 (2000) (6), 42
- A Karasugite . . . . .  $\text{SrCaAl}(\text{F, OH})_7$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (1994), 209
- A Karelianite . . . . .  $\text{V}_2\text{O}_3$   
*Mineralogical Magazine* 36 (1967), 132
- A Karibibite . . . . .  $\text{Fe}_2^{3+}\text{As}_4^{3+}(\text{O, OH})_9$   
*Lithos* 6 (1973), 265
- D Karinthin . . . . .  $\text{Ca}_2(\text{Mg, Fe, Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* 63 (1978), 1023
- A Karlite . . . . .  $(\text{Mg, Alx})_7(\text{BO}_3)_3(\text{OH})_4\text{Cl}_{1-x}$   
*American Mineralogist* 66 (1981), 872
- A Karnasurtite-(Ce) . . . . .  $(\text{Ce, La, Th})(\text{Ti, Nb})\text{AlSi}_2\text{O}_7(\text{OH})_4 \cdot 3\text{H}_2\text{O}$   
*American Mineralogist* 72 (1987), 1031 (Appendix 2)
- D Karphostilbite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
*Canadian Mineralogist* 35 (1997), 1571
- D Karpinskyite . . . . .  $\text{Na, Mg, Al, Si, O, H}_2\text{O}$   
*Bulletin of the Geological Society of Denmark* 20 (1970), 134
- A Karupmøllerite-Ca . . . . .  $(\text{Na, Ca, K})_2\text{Ca}(\text{Nb, Ti})_4(\text{Si}_4\text{O}_{12})_2(\text{O, OH})_4 \cdot 7\text{H}_2\text{O}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (2002), 433
- A Kashinite . . . . .  $(\text{Ir, Rh})_2\text{S}_3$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 114 (1985), 617
- A Kasolite . . . . .  $\text{Pb}(\text{UO}_2)\text{SiO}_4 \cdot \text{H}_2\text{O}$   
*Mineralogical Magazine* 43 (1980), 1054
- A Kassite . . . . .  $\text{CaTi}_2\text{O}_4(\text{OH})_2$   
*Mineralogical Magazine* 36 (1968), 1144
- A Kastningite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Mg})\text{Al}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 8\text{H}_2\text{O}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (1999), 40
- D Kataphorite . . . . .  $(\text{Ca, Na, K})_3(\text{Mg, Fe, Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* 63 (1978), 1023
- A Katayamalite . . . . .  $(\text{K, Na})\text{Li}_3\text{Ca}_7\text{Ti}_2(\text{SiO}_3)_{12}(\text{OH, F})_2$   
*Mineralogical Journal (Tokyo)* 11 (1983), 261
- A Katoite . . . . .  $\text{Ca}_3\text{Al}_2[\text{SiO}_4, (\text{OH})_4]_3$   
*Bulletin de Minéralogie* 107 (1984), 605
- R Katophorite . . . . .  $\text{Na}_2\text{Ca}(\text{Fe}^{2+}, \text{Mg})_4(\text{Al, Fe}^{3+})(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH, F})_2$



- Canadian Mineralogist 35 (1997), 219
- A Kawazulite . . . . .  $\text{Bi}_2\text{Te}_2\text{Se}$   
Geological Survey of Japan (1970), 87
- A Kazakhstanite . . . . .  $\text{Fe}_5^{3+}\text{V}_3^{4+}\text{V}_{12}^{5+}\text{O}_{39}(\text{OH})_9 \cdot 8.5\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 118 (5) (1989), 95
- A Kazakovite . . . . .  $\text{Na}_6\text{Mn}^{2+}\text{TiSi}_6\text{O}_{18}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 342
- A Keckite . . . . .  $(\text{Ca}, \text{Mg})(\text{Mn}^{2+}, \text{Zn})_2\text{Fe}_3^{3+}(\text{PO}_4)_4(\text{OH})_3 \cdot 2\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Abhandlungen 134 (1979), 183
- R Kegelite . . . . .  $\text{Pb}_4\text{Al}_2\text{Si}_4\text{O}_{10}(\text{SO}_4)(\text{CO}_3)_2(\text{OH})_4$   
American Mineralogist 75 (1990), 702
- D Kehoeite . . . . .  $(\text{Zn}, \text{Ca})\text{Al}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 5\text{H}_2\text{O}$   
Mineralogical Magazine 56 (1992), 256
- D Kehoite . . . . .  $(\text{Zn}, \text{Ca})_8\text{Al}_{16}(\text{PO}_4)_{16} \cdot 48\text{H}_2\text{O}$  (?)  
Mineralogical Magazine 62 (1998), 533
- A Keilite . . . . .  $(\text{Fe}, \text{Mg})\text{S}$   
Canadian Mineralogist 40 (2002), 1687
- A Keithconnite . . . . .  $\text{Pd}_{20}\text{Te}_7$   
Canadian Mineralogist 17 (1979), 589
- A Keiviite-(Y) . . . . .  $(\text{Y}, \text{Yb})_2\text{Si}_2\text{O}_7$   
Mineralogicheskii Zhurnal 7 (1985) (6), 79
- A Keiviite-(Yb) . . . . .  $(\text{Yb}, \text{Y})_2\text{Si}_2\text{O}_7$   
Mineralogicheskii Zhurnal 5 (1983) (5), 94
- A Keldyshite . . . . .  $(\text{Na}, \text{H})_2\text{ZrSi}_2\text{O}_7$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 142 (1962), 123
- A Kellyite . . . . .  $(\text{Mn}^{2+}, \text{Mg}, \text{Al})_3(\text{Si}, \text{Al})_2\text{O}_5(\text{OH})_4$   
American Mineralogist 59 (1974), 1153
- A Kelyanite . . . . .  $\text{Hg}_{36}\text{Sb}_3\text{O}_{28}(\text{Cl}, \text{Br})_9$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 330
- R Kemmlitzite . . . . .  $(\text{Sr}, \text{Ce})\text{Al}_3(\text{AsO}_4)(\text{PO}_4, \text{SO}_4)(\text{OH})_5 \cdot \text{H}_2\text{O}$   
American Mineralogist 72 (1987), 178
- A Kenhsuite . . . . .  $\text{Hg}_3\text{S}_2\text{Cl}_2$   
Canadian Mineralogist 36 (1998), 201
- D Kennedyite . . . . .  $\text{MgFe}_2\text{Ti}_5\text{O}_{10}$   
American Mineralogist 73 (1988), 1377
- A Kentbrooksite . . . . .  $(\text{Na}, \text{REE})_{15}(\text{Ca}, \text{REE})_6\text{Mn}_3\text{Zr}_3\text{NbSi}_{25}\text{O}_{73}(\text{O}, \text{OH}, \text{H}_2\text{O})_3(\text{F}, \text{Cl})_2$   
European Journal of Mineralogy 10 (1998), 207
- A Kenyaite . . . . .  $\text{Na}_2\text{Si}_{22}\text{O}_{41}(\text{OH})_8 \cdot 6\text{H}_2\text{O}$   
Science 157 (1967), 1177
- D Kerrite . . . . .  $\text{K}, \text{Fe}, \text{Mg}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$  (?)  
Canadian Mineralogist 36 (1998), 905
- A Keyite . . . . .  $\text{Cu}_3^{2+}(\text{Zn}, \text{Cu}^{2+})_4\text{Cd}_2(\text{AsO}_4)_6 \cdot 2\text{H}_2\text{O}$   
Mineralogical Record 8 (1977), 87
- A Keystoneite . . . . .  $\text{H}_{0.8}\text{Mg}_{0.8}(\text{Ni}, \text{Fe}^{3+}, \text{Mn})_2(\text{Te}^{4+}\text{O}_3)_3 \cdot 5\text{H}_2\text{O}$   
Joint Annual Meeting of the Geological Association of Canada and the  
Mineralogical Association of Canada, Program abstracts 13 (1988), A4
- R Khademite . . . . .  $\text{AlSO}_4\text{F} \cdot 5\text{H}_2\text{O}$   
Mineralogical Magazine 52 (1988), 133
- A Khaidarkanite . . . . .  $\text{Cu}_4\text{Al}_3(\text{OH})_{14}\text{F}_3 \cdot 2\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 128 (1999) (3), 58
- A Khamrabaevite . . . . .  $(\text{Ti}, \text{V}, \text{Fe})\text{C}$

- Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 697
- A Khanneshite . . . . .  $(\text{Na}, \text{Ca})_3(\text{Ba}, \text{Sr}, \text{Ce}, \text{Ca})_3(\text{CO}_3)_5$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 321
- A Kharaelakhite . . . . .  $(\text{Cu}, \text{Pt}, \text{Pb}, \text{Fe}, \text{Ni})_9\text{S}_8$   
Mineralogicheskii Zhurnal 7(1985) (1), 78
- A Khatyrkite . . . . .  $(\text{Cu}, \text{Zn})\text{Al}_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 90
- A Khibinskite . . . . .  $\text{K}_2\text{ZrSi}_2\text{O}_7$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 110
- A Khinite . . . . .  $\text{Cu}_3\text{PbTe}^{6+}\text{O}_4(\text{OH})_6$   
American Mineralogist 63 (1978), 1016
- D Khlopinite . . . . .  $(\text{Y}, \text{Ce}, \text{U})_3(\text{Nb}, \text{Ta}, \text{Ti})_5\text{O}_{16}$   
American Mineralogist 57 (1972), 329
- A Khmaralite . . . . .  $(\text{Al}, \text{Mg}, \text{Fe}^{2+}, \text{Fe}^{3+})_4(\text{Al}, \text{Si}, \text{Be})_3\text{O}_{10}$   
American Mineralogist 84 (1999), 1650
- A Khomyakovite . . . . .  $\text{Na}_{12}\text{Ca}_6\text{Sr}_3\text{Fe}_3\text{WZr}_3(\text{Si}_{25}\text{O}_{73})(\text{O}, \text{OH}, \text{H}_2\text{O})_3(\text{Cl}, \text{OH})_2$   
Canadian Mineralogist 37 (1999), 893
- A Khristovite-(Ce) . . . . .  $(\text{Ca}, \text{La})\text{Ce}(\text{Mg}, \text{Fe})\text{MnAl}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})(\text{F}, \text{O})$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 122 (1993) (3), 103
- D Khuniite . . . . .  $\text{Pb}_{10}\text{Cu}(\text{CrO}_4)_6(\text{SiO}_4)_2(\text{F}, \text{OH})_2$   
American Mineralogist 61 (1976), 186
- A Kiddcreekite . . . . .  $\text{Cu}_6\text{WSnS}_8$   
Canadian Mineralogist 22 (1984), 227
- D Kidney stone . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Kidwellite . . . . .  $\text{NaFe}_9^{3+}(\text{PO}_4)_6(\text{OH})_{10} \cdot 5\text{H}_2\text{O}$   
Mineralogical Magazine 42 (1978), 137
- A Kieftite . . . . .  $\text{CoSb}_3$   
Canadian Mineralogist 32 (1994), 179
- A Kieserite . . . . .  $\text{MgSO}_4 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 134
- D Kievite . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Killalaite . . . . .  $\text{Ca}_3\text{Si}_2\text{O}_7 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 39 (1974), 544
- D Killinite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Mineralogical Magazine 48 (1984), 566
- A Kimrobinsonite . . . . .  $\text{Ta}(\text{OH})_3(\text{O}, \text{CO}_3)$   
Canadian Mineralogist 23 (1985), 573
- A Kimuraite-(Y) . . . . .  $\text{CaY}_2(\text{CO}_3)_4 \cdot 6\text{H}_2\text{O}$   
American Mineralogist 71 (1986), 1028
- A Kimzeyite . . . . .  $\text{Ca}_3(\text{Zr}, \text{Ti})_2(\text{Si}, \text{Al}, \text{Fe}^{3+})_3\text{O}_{12}$   
Mineralogical Magazine 36 (1967), 132
- A Kingsmountite . . . . .  $(\text{Ca}, \text{Mn}^{2+})_4\text{Fe}^{2+}\text{Al}_4(\text{PO}_4)_6(\text{OH})_4 \cdot 12\text{H}_2\text{O}$   
Canadian Mineralogist 17 (1979), 579
- A Kinichilite . . . . .  $\text{Mg}_{0.5}(\text{Fe}^{2+}, \text{Zn}, \text{Mn}^{2+})_{1.7}(\text{Te}^{4+}\text{O}_3)_3 \cdot 3.2\text{H}_2\text{O}$   
Mineralogical Journal (Tokyo) 10 (1981), 333
- A Kinoite . . . . .  $\text{Ca}_2\text{Cu}_2\text{Si}_3\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
American Mineralogist 55 (1970), 709
- A Kinoshitalite . . . . .  $(\text{Ba}, \text{K})(\text{Mg}, \text{Mn}, \text{Al})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH}, \text{F})_2$   
Chigaku Kenkyu (in Japanese) 24 (1973), 181

- A Kintoreite . . . . .  $\text{PbFe}_3^{3+}(\text{PO}_4)_2(\text{OH}, \text{H}_2\text{O})_6$   
Mineralogical Magazine 59 (1995), 143
- A Kipushite . . . . .  $(\text{Cu}, \text{Zn})_6(\text{PO}_4)_2(\text{OH})_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 23 (1985), 35
- A Kirkiite . . . . .  $\text{Pb}_{10}\text{Bi}_3\text{As}_3\text{S}_{19}$   
Bulletin de Minéralogie 108 (1985), 667
- D Kirwanite . . . . .  $\text{Ca}_2(\text{Fe}, \text{Mg}, \text{Mn})(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Mineralogical Magazine 53 (1989), 253
- A Kitkaite . . . . .  $\text{NiTeSe}$   
Mineralogical Magazine 36 (1968), 1144
- A Kittatinnyite . . . . .  $\text{Ca}_2(\text{Mn}^{2+}, \text{Mn}^{3+})_3\text{Si}_2\text{O}_8(\text{OH})_4 \cdot 9\text{H}_2\text{O}$   
American Mineralogist 68 (1983), 1029
- D Kivuite . . . . .  $(\text{Th}, \text{Ca}, \text{Pb})(\text{UO}_2)_4(\text{PO}_3\text{OH})_2(\text{OH})_8 \cdot 7\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 261
- R Klebersbergite . . . . .  $\text{Sb}_4^{3+}\text{O}_4(\text{SO}_4)(\text{OH})_2$   
American Mineralogist 65 (1980), 499
- D Kleberite . . . . .  $\text{Ti}_6\text{FeO}_{13} \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 58 (1994), 597
- A Kleemanite . . . . .  $\text{ZnAl}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1979), 93
- D Klipsteinite . . . . .  $(\text{Mn}, \text{Fe}, \text{Mg})_2\text{SiO}_3 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 42 (1978), 279
- A Klyuchevskite . . . . .  $\text{K}_3\text{Cu}_3(\text{Fe}^{3+}, \text{Al})\text{O}_2(\text{SO}_4)_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 118 (1) (1989), 70
- D Kmaite . . . . .  $\text{K}(\text{Mg}, \text{Fe}^{2+}, \text{Fe}^{3+}, \text{Al})_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Mineralogical Magazine 36 (1967), 133
- D Knipovichite . . . . .  $\text{CaAl}_2(\text{CO}_3)_2(\text{OH})_4 \cdot 3\text{H}_2\text{O}$   
Mineralogical Record 6 (1975), 180
- A Knorringite . . . . .  $\text{Mg}_3\text{Cr}_2(\text{SiO}_4)_3$   
American Mineralogist 53 (1968), 1833
- A Koashvite . . . . .  $\text{Na}_6(\text{Ca}, \text{Mn})(\text{Fe}^{3+}, \text{Ti})\text{Si}_6\text{O}_{18}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 559
- A Kobeite-(Y) . . . . .  $(\text{Y}, \text{U})(\text{Ti}, \text{Nb})_2(\text{O}, \text{OH})_6$  (?)  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Kochite . . . . .  $\text{Na}_2(\text{Na}, \text{Ca})_4\text{Ca}_4(\text{Mn}, \text{Ca})_2\text{Zr}_2\text{Ti}_2(\text{Si}_2\text{O}_7)_4(\text{F}, \text{O})_8$   
European Journal of Mineralogy 15 (2003), 551
- A Kochkarite . . . . .  $\text{PbBi}_4\text{Te}_7$   
Geologiya Rudnykh Mestorozhdenii 31 (1989) (4), 98
- A Kogarkoite . . . . .  $\text{Na}_3\text{SO}_4\text{F}$   
American Mineralogist 58 (1973), 116
- D Kokkolith . . . . .  $(\text{Ca}, \text{Fe}, \text{Mg})_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- D Kokscharovite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Kokscharowit . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Kolarite . . . . .  $\text{PbTeCl}_2$   
Canadian Mineralogist 23 (1985), 501
- A Kolbeckite . . . . .  $\text{ScPO}_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 46 (1982), 493
- A Kolfanite . . . . .  $\text{Ca}_2\text{Fe}_3^{3+}\text{O}_2(\text{AsO}_4)_3 \cdot 2\text{H}_2\text{O}$   
Mineralogicheskii Zhurnal 4 (1982) (2), 90

- A Kolicite . . . . .  $Zn_4Mn_7^{2+}(AsO_4)_2(SiO_4)_2(OH)_8$   
American Mineralogist 64 (1979), 708
- D Kolskite . . . . . Mg, Si, O, H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 3
- A Kolwezite . . . . .  $(Cu, Co)_2CO_3(OH)_2$   
Bulletin de Minéralogie 103 (1980), 179
- A Kolymite . . . . . Cu<sub>7</sub>Hg<sub>6</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 206
- A Komarovite . . . . .  $(Ca, Mn)Nb_2(Si_2O_7)(O, F)_3 \cdot 3.5H_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 100 (1971), 599
- A Kombatite . . . . .  $Pb_{14}O_9(VO_4)_2Cl_4$   
Neues Jahrbuch für Mineralogie, Monatshefte (1986), 519
- A Komkovite . . . . .  $BaZrSi_3O_9 \cdot 3H_2O$   
Mineralogicheskii Zhurnal 12 (1990) (3), 69
- A Konderite . . . . .  $PbCu_3(Rh, Pt, Ir)_8S_{16}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 703
- A Konyaite . . . . .  $Na_2Mg(SO_4)_2 \cdot 5H_2O$   
American Mineralogist 67 (1982), 1035
- D Koodilite . . . . .  $NaCa_2Al_5Si_5O_{20} \cdot 6H_2O$   
Canadian Mineralogist 35 (1997), 1571
- D Koppite . . . . .  $(Ca, Na)_2(Nb, Ta)_2O_6(OH, F)$   
American Mineralogist 62 (1977), 403
- A Koragoite . . . . .  $Mn_2^{2+}Mn^{3+}Nb_2(Nb, Ta)_3W_2O_{20}$   
Crystallography Reports 40 (1995), 428
- D Korea-augite . . . . .  $(Ca, Mg, Fe)_2Si_2O_6$   
Mineralogical Magazine 52 (1988), 535
- A Koritnigite . . . . .  $Zn(AsO_3OH) \cdot H_2O$   
Tscherma's Mineralogische und Petrographische Mitteilungen 26 (1979), 51
- A Kornite . . . . .  $(K, Na)(Na, Li)_2(Mg, Mn^{3+}, Fe^{3+}, Li)_5Si_8O_{22}(OH)_2$   
Schweizerische Mineralogische und Petrographische Mitteilungen 73 (1993), 349
- A Korobitsynite . . . . .  $(Na, \square)_8Ti_4(Si_4O_{12})_2(O, OH)_4 \cdot 8H_2O$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 128 (1999) (3), 72
- A Korshunovskite . . . . .  $Mg_2Cl(OH)_3 \cdot 4H_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 324
- A Korzshinskite . . . . .  $CaB_2O_4 \cdot 0.5H_2O$   
Mineralogical Magazine 36 (1967), 132
- A Kosmochlor . . . . .  $NaCrSi_2O_6$   
Mineralogical Magazine 52 (1988), 535
- A Kosnarite . . . . .  $KZr_2(PO_4)_3$   
American Mineralogist 78 (1993), 653
- A Kostovite . . . . .  $AuCuTe_4$   
American Mineralogist 51 (1966), 29
- A Kostylevite . . . . .  $K_2ZrSi_3O_9 \cdot H_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 469
- A Kotulskite . . . . .  $Pd(Te, Bi)$   
Mineralogical Magazine 36 (1967), 132
- A Kovdorskite . . . . .  $Mg_2PO_4(OH) \cdot 3H_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 341
- D Kozhanovite . . . . .  $(Ce, La, Th)(Ti, Nb)AlSi_2O_7(OH)_4 \cdot 3H_2O$   
Mineralogical Magazine 33 (1962), 262
- A Kozoite-(Nd) . . . . .  $NdCO_3(OH)$   
American Mineralogist 85 (2000), 1076

- R Kôzulite . . . . .  $\text{Na}_3(\text{Mn}^{2+}, \text{Mn}^{3+}, \text{Mg}, \text{Al}, \text{Fe}^{3+})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Kraisslite . . . . .  $\text{Zn}_3(\text{Mn}^{2+}, \text{Mg}, \text{Fe}^{3+})_{25}(\text{AsO}_4)_4(\text{SiO}_4)_8(\text{OH})_{12}$   
American Mineralogist 63 (1978), 938
- A Krasnovite . . . . .  $\text{Ba}(\text{Al}, \text{Mg})(\text{PO}_4, \text{CO}_3)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 125 (1996) (3), 110
- A Krauskopfite . . . . .  $\text{BaSi}_2\text{O}_5 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 50 (1965), 314
- A Krautite . . . . .  $\text{Mn}(\text{AsO}_3\text{OH}) \cdot \text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 98 (1975), 78
- A Krettnichite . . . . .  $\text{PbMn}_2^{3+}(\text{VO}_4)_2(\text{OH})_2$   
European Journal of Mineralogy 13 (2001), 145
- A Krinovite . . . . .  $\text{NaMg}_2\text{CrSi}_3\text{O}_{10}$   
Science 161 (1968), 786
- A Kristiansenite . . . . .  $\text{Ca}_2\text{ScSn}(\text{Si}_2\text{O}_7)(\text{Si}_2\text{O}_6\text{OH})$   
Mineralogy and Petrology 75 (2002), 89
- D Krokolith . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Krokidolite . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Krokydolith . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Krupkaite . . . . .  $\text{PbCuBi}_3\text{S}_6$   
Neues Jahrbuch für Mineralogie, Monatshefte (1974), 533
- A Krutaite . . . . .  $\text{CuSe}_2$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 95 (1972), 475
- A Krutovite . . . . .  $\text{NiAs}_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 105 (1976), 59
- D Kryptotile . . . . .  $\text{AlSiO}_3\text{OH} (?)$   
Canadian Mineralogist 36 (1998), 905
- D Kubizit . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Kuboite . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Kukharenkoite-(Ce) . . . . .  $\text{Ba}_2\text{Ce}(\text{CO}_3)_3\text{F}$   
European Journal of Mineralogy 8 (1996), 1327
- A Kukharenkoite-(La) . . . . .  $\text{Ba}_2(\text{La}, \text{Th}, \text{Ce})(\text{CO}_3)_3\text{F}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (3), 55
- A Kukisvumite . . . . .  $\text{Na}_6\text{ZnTi}_4\text{O}_4(\text{SiO}_3)_8 \cdot 4\text{H}_2\text{O}$   
Mineralogicheskii Zhurnal 13 (1991) (2), 63
- A Kuksite . . . . .  $\text{Pb}_3\text{Zn}_3\text{TeO}_6(\text{PO}_4)_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 119 (5) (1990), 50
- A Kulanite . . . . .  $\text{Ba}(\text{Fe}^{2+}, \text{Mg}, \text{Mn}^{2+})_2(\text{Al}, \text{Fe}^{3+})_2(\text{PO}_4)_3(\text{OH})_3$   
Canadian Mineralogist 14 (1976), 127
- A Kuliokite-(Y) . . . . .  $(\text{Y}, \text{Yb})_4\text{Al}(\text{SiO}_4)_2(\text{OH})_2\text{F}_5$   
Mineralogicheskii Zhurnal 8 (1984) (2), 94
- A Kulkeite . . . . .  $\text{Na}_{0.3}\text{Mg}_8\text{Al}(\text{Si}, \text{Al})_8\text{O}_{20}(\text{OH})_{10}$   
Fortschritte der Mineralogie Beihefte 58 (1980), 4
- A Kullerudite . . . . .  $\text{NiSe}_2$   
Mineralogical Magazine 36 (1967), 132

- D Kunzite . . . . . LiAlSi<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- A Kupcikit . . . . . Cu<sub>3.4</sub>Fe<sub>0.6</sub>Bi<sub>5</sub>S<sub>10</sub>  
Canadian Mineralogist 41 (2003), 1155
- D Kupfferite (of Allen & Clement) . . . . . Mg<sub>7</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Kupfferite (of Koksharov) . . . . . (Mg, Fe, Cr)<sub>7</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Kuramite . . . . . Cu<sub>3</sub>SnS<sub>4</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 108 (1979), 564
- A Kuranakhite . . . . . PbMn<sup>4+</sup>Te<sup>6+</sup>O<sub>6</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 310
- A Kurchatovite . . . . . Ca(Mg, Mn, Fe)B<sub>2</sub>O<sub>5</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 95 (1966), 203
- R Kurchatovite-1M . . . . . Ca(Mg, Mn, Fe)B<sub>2</sub>O<sub>5</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 483
- R Kurgantaite . . . . . CaSrB<sub>5</sub>O<sub>9</sub>Cl•H<sub>2</sub>O  
Mineralogical Magazine 46 (1982), 514
- A Kusachiite . . . . . Cu<sup>2+</sup>Bi<sub>2</sub><sup>3+</sup>O<sub>4</sub>  
Mineralogical Magazine 59 (1995), 545
- D Kusuite . . . . . (Ce, Pb)VO<sub>4</sub>  
Bulletin de Minéralogie 109 (1986), 305
- A Kutinaite . . . . . Ag<sub>6</sub>Cu<sub>14</sub>As<sub>7</sub>  
American Mineralogist 55 (1970), 1083
- A Kuzelite . . . . . Ca<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>(SO<sub>4</sub>)•6H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1997), 423
- R Kuzmenkoite-Mn . . . . . K<sub>4</sub>Mn<sub>2</sub>Ti<sub>8</sub>(Si<sub>4</sub>O<sub>12</sub>)<sub>4</sub>(OH, O)<sub>8</sub>•10-12H<sub>2</sub>O  
European Journal of Mineralogy 14 (2002), 165
- A Kuzmenkoite-Zn . . . . . K<sub>2</sub>Zn(Ti, Nb)<sub>4</sub>(Si<sub>4</sub>O<sub>12</sub>)<sub>2</sub>(OH, O)<sub>4</sub>•6-8H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 131 (2002) (2), 45
- A Kuzminite . . . . . Hg(Br, Cl)  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 115 (1986), 595
- A Kuznetsovite . . . . . Hg<sub>2</sub><sup>1+</sup>Hg<sup>2+</sup>(AsO<sub>4</sub>)Cl  
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 255 (1980), 174
- A Kvanefjeldite . . . . . Na<sub>4</sub>(Ca, Mn<sup>2+</sup>)Si<sub>6</sub>O<sub>14</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 22 (1984), 465
- A Kyanite . . . . . Al<sub>2</sub>OSiO<sub>4</sub>  
Mineralogical Magazine 36 (1967), 134
- D Kyanophyllite . . . . . (K, Na)Al<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Indian Mineralogist 11 (1970), 91
- D Kymatine . . . . . Ca, Mg, Si, O, OH  
American Mineralogist 63 (1978), 1023
- A Kyzylkumite . . . . . V<sub>2</sub><sup>3+</sup>Ti<sub>3</sub><sup>4+</sup>O<sub>9</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 607
- D Labrador hornblende . . . . . (Mg, Fe)SiO<sub>3</sub>  
American Mineralogist 63 (1978), 1023
- g Labuntsovite . . . . . Ca, K, Mn, Zn, Ti, Nb, Si, O, H<sub>2</sub>O  
European Journal of Mineralogy 14 (2002), 165
- A Labuntsovite-Fe . . . . . Na<sub>4</sub>K<sub>4</sub>Fe<sub>2</sub><sup>2+</sup>Ti<sub>8</sub>(Si<sub>4</sub>O<sub>12</sub>)<sub>4</sub>(O, OH)<sub>8</sub>•10-12H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 130 (2001) (4), 36
- A Labuntsovite-Mg . . . . . Na<sub>4</sub>K<sub>4</sub>Mg<sub>2</sub>Ti<sub>8</sub>(Si<sub>4</sub>O<sub>12</sub>)<sub>4</sub>(O, OH)<sub>8</sub>•10-12H<sub>2</sub>O

- Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **130** (2001) (4), **36**
- R Labuntsovite-Mn . . . . .  $\text{Na}_4\text{K}_4\text{Mn}_2^{2+}\text{Ti}_8(\text{Si}_4\text{O}_{12})_4(\text{O}, \text{OH})_8 \cdot 10\text{-}12\text{H}_2\text{O}$   
European Journal of Mineralogy **14** (2002), **165**
- A Laffittite . . . . .  $\text{AgHgAsS}_3$   
Bulletin de la Société Française de Minéralogie et de Cristallographie **97** (1974),  
48
- A Lafammeite . . . . .  $\text{Pd}_3\text{Pb}_2\text{S}_2$   
Canadian Mineralogist **40** (2002), **671**
- A Laforêtite . . . . .  $\text{AgInS}_2$   
European Journal of Mineralogy **11** (1999), **891**
- A Laitakarite . . . . .  $\text{Bi}_4(\text{Se}, \text{S})_3$   
Mineralogical Magazine **36** (1967), **134**
- A Lalondeite . . . . .  $(\text{Na}, \text{Ca})_6(\text{Ca}, \text{Na})_3\text{Si}_{16}\text{O}_{38}(\text{F}, \text{OH})_2 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist Special Publication **6** (2003), **106**
- A Lammerite . . . . .  $\text{Cu}_3[(\text{As}, \text{P})\text{O}_4]_2$   
Tscherma's Mineralogische und Petrographische Mitteilungen **28** (1981), **157**
- D Lamprobolite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{O}, \text{OH})_2$   
American Mineralogist **63** (1978), **1023**
- D Lamprostibian . . . . .  $\text{MnSbO}_3$   
Arkiv för Mineralogi och Geologi **4** (1967), **449**
- A Landauite . . . . .  $\text{NaMn}^{2+}\text{Zn}_2(\text{Ti}, \text{Fe}^{3+})_6\text{Ti}_{12}\text{O}_{38}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections **166** (1966), **143**
- R Landesite . . . . .  $(\text{Mn}^{2+}, \text{Mg})_9\text{Fe}_3^{3+}(\text{PO}_4)_8(\text{OH})_3 \cdot 9\text{H}_2\text{O}$   
American Mineralogist **49** (1964), **1122**
- D Laneite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63** (1978), **1023**
- A Långbanite . . . . .  $(\text{Mn}^{2+}, \text{Ca})_4(\text{Mn}^{3+}, \text{Fe}^{3+})_9\text{Sb}^{5+}\text{O}_{16}(\text{SiO}_4)_2$   
Mineralogical Magazine **38** (1971), **103**
- A Langisite . . . . .  $(\text{Co}, \text{Ni})\text{As}$   
Canadian Mineralogist **9** (1969), **597**
- A Lanmuchangite . . . . .  $\text{TlAl}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$   
Acta Mineralogica Sinica (in Chinese) **21** (2001), **271**
- A Lannonite . . . . .  $\text{HCa}_4\text{Mg}_2\text{Al}_4(\text{SO}_4)_8\text{F}_9 \cdot 32\text{H}_2\text{O}$   
Mineralogical Magazine **47** (1983), **37**
- A Lanthanite-(Ce) . . . . .  $(\text{Ce}, \text{La}, \text{Nd})_2(\text{CO}_3)_3 \cdot 8\text{H}_2\text{O}$   
American Mineralogist **70** (1985), **411**
- A Lanthanite-(La) . . . . .  $(\text{La}, \text{Ce})_2(\text{CO}_3)_3 \cdot 8\text{H}_2\text{O}$   
American Mineralogist **72** (1987), **1031** (Appendix 2)
- A Lanthanite-(Nd) . . . . .  $(\text{Nd}, \text{La})_2(\text{CO}_3)_3 \cdot 8\text{H}_2\text{O}$   
Geological Survey of Canada, Paper **80-1C** (1980), **141**
- A Laphamite . . . . .  $\text{As}_2(\text{Se}, \text{S})_3$   
Mineralogical Magazine **50** (1986), **279**
- A Lapieite . . . . .  $\text{CuNiSbS}_3$   
Canadian Mineralogist **22** (1984), **561**
- A Laplandite-(Ce) . . . . .  $\text{Na}_4\text{CeTiPSi}_7\text{O}_{22} \cdot 5\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **103** (1974), **571**
- A Larosite . . . . .  $(\text{Cu}, \text{Ag})_{21}(\text{Pb}, \text{Bi})_2\text{S}_{13}$   
Canadian Mineralogist **11** (1972), **886**
- A Latrappite . . . . .  $(\text{Ca}, \text{Na})(\text{Nb}, \text{Ti})\text{O}_3$   
Canadian Mineralogist **8** (1964), **121**
- D Laubanite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$

- Canadian Mineralogist 35 (1997), 1571
- D Laubmannite . . . . . Na, Fe, PO<sub>4</sub>, OH, H<sub>2</sub>O  
American Mineralogist 75 (1990), 1197
- D Laumonite . . . . . CaAl<sub>2</sub>Si<sub>4</sub>O<sub>12</sub>•4H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Laumontite . . . . . Ca(Si<sub>4</sub>Al<sub>2</sub>)O<sub>12</sub>•4H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Launayite . . . . . Pb<sub>22</sub>(Sb, As)<sub>26</sub>S<sub>61</sub>  
Canadian Mineralogist 9 (1967), 191
- A Laurelite . . . . . Pb<sub>7</sub>F<sub>12</sub>Cl<sub>2</sub>  
American Mineralogist 74 (1989), 927
- A Lautenthalite . . . . . PbCu<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>•3H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1993), 401
- D Låvenite-O . . . . . (Na, Ca)<sub>2</sub>(Mn<sup>2+</sup>, Fe<sup>2+</sup>)(Zr, Nb)(Si<sub>2</sub>O<sub>7</sub>)(O, OH, F)<sub>2</sub>  
Mineralogical Magazine 36 (1968), 1144
- A Lavrentievite . . . . . Hg<sub>3</sub>S<sub>2</sub>(Cl, Br)<sub>2</sub>  
Geologiya i Geofizika (in Russian) (1984) (7), 54
- D Lavroffite . . . . . CaMg(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- D Lavrovite . . . . . Ca(Mg, Cr)(SiO<sub>3</sub>)<sub>2</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1979), 189
- D Lawrowite . . . . . Ca(Mg, Cr)(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Lawsonbauerite . . . . . (Mn<sup>2+</sup>, Mg)<sub>9</sub>Zn<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>22</sub>•8H<sub>2</sub>O  
American Mineralogist 64 (1979), 949
- A Lazarenkoite . . . . . (Ca, Fe<sup>2+</sup>)Fe<sup>3+</sup>As<sub>3</sub><sup>3+</sup>O<sub>7</sub>•3H<sub>2</sub>O  
Mineralogicheskiy Zhurnal 3 (1981) (3), 92
- D Lazarevičite . . . . . Cu<sub>3</sub>AsS<sub>4</sub>  
Mineralogical Magazine 33 (1962), 261
- A Lazulite . . . . . (Mg, Fe)Al<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>  
Mineralogical Magazine 36 (1967), 133
- A Leadamalgam . . . . . Pb<sub>0.7</sub>Hg<sub>0.3</sub>  
Dizhi Lumping (in Chinese) 27 (1981), 107
- A Leakeite . . . . . (Na, K)Na<sub>2</sub>Mg<sub>2</sub>(Fe<sup>3+</sup>, Li)<sub>3</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH, F)<sub>2</sub>  
American Mineralogist 77 (1992), 1112
- D Ledererite . . . . . (Na, Ca)(Si, Al)<sub>6</sub>O<sub>12</sub>•6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Lederite . . . . . (Na, Ca)(Si, Al)<sub>6</sub>O<sub>12</sub>•6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Ledikite . . . . . K(Fe, Mg)<sub>3</sub>(Si, Al)<sub>8</sub>O<sub>20</sub>(OH)<sub>4</sub>  
Canadian Mineralogist 36 (1998), 905
- D Lehiite . . . . . CaAl<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>5</sub>•H<sub>2</sub>O  
American Mineralogist 71 (1986), 1515
- A Lehnerite (of Mücke) . . . . . Mn<sup>2+</sup>(UO<sub>2</sub>)<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>•8H<sub>2</sub>O  
Aufschluss 39 (1988), 209
- D Lehuntite . . . . . Na<sub>2</sub>(Al<sub>2</sub>Si<sub>3</sub>)O<sub>10</sub>•2H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Leisingite . . . . . Cu(Mg, Cu, Fe, Zn)<sub>2</sub>Te<sup>6+</sup>O<sub>6</sub>•6H<sub>2</sub>O  
Mineralogical Magazine 60 (1996), 653
- A Leiteite . . . . . ZnAs<sub>2</sub><sup>3+</sup>O<sub>4</sub>  
Mineralogical Record 8 (1977), 95



- A Lemmleinite-Ba . . . . .  $\text{Na}_4\text{K}_4\text{Ba}_{2+x}\text{Ti}_8(\text{Si}_4\text{O}_{12})_4(\text{O}, \text{OH})_8 \cdot 8\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva **130 (2001) (3), 36**
- R Lemmleinite-K . . . . .  $\text{Na}_4\text{K}_8\text{Ti}_8(\text{Si}_4\text{O}_{12})_4(\text{O}, \text{OH})_8 \cdot 8\text{H}_2\text{O}$   
European Journal of Mineralogy **14 (2002), 165**
- A Lemoynite . . . . .  $(\text{Na}, \text{K})_2\text{CaZr}_2\text{Si}_{10}\text{O}_{26} \cdot 5\text{-}6\text{H}_2\text{O}$   
Canadian Mineralogist **9 (1969), 585**
- A Lenaite . . . . .  $\text{AgFeS}_2$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva **124 (1995) (5), 85**
- A Leningradite . . . . .  $\text{PbCu}_3(\text{VO}_4)_2\text{Cl}_2$   
Doklady Akademiia Nauk, SSSR (USSR) **310 (1990), 1434**
- A Lennilenapeite . . . . .  $\text{K}_7(\text{Mg}, \text{Mn}^{2+}, \text{Fe}^{2+}, \text{Zn})_{48}(\text{Si}, \text{Al})_{72}(\text{O}, \text{OH})_{216} \cdot 16\text{H}_2\text{O}$   
Canadian Mineralogist **22 (1984), 259**
- A Lenoblite . . . . .  $\text{V}_2^{4+}\text{O}_4 \cdot 2\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie **93 (1970), 235**
- D Leonhardite . . . . .  $\text{CaAl}_2\text{Si}_4\text{O}_{12} \cdot n\text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- D Leonhardtite . . . . .  $\text{MgSO}_4 \cdot 4\text{H}_2\text{O}$   
Mineralogical Record **6 (1975), 144**
- A Lepersonnite-(Gd) . . . . .  $\text{Ca}(\text{Gd}, \text{Dy})_2(\text{UO}_2)_{24}(\text{CO}_3)_8\text{Si}_4\text{O}_{28} \cdot 60\text{H}_2\text{O}$   
Canadian Mineralogist **20 (1982), 231**
- A Lepidocrocite . . . . .  $\text{Fe}^{3+}\text{O}(\text{OH})$   
Mineralogical Magazine **43 (1980), 1055**
- g Lepidolite . . . . .  $\text{K}(\text{Li}, \text{Al})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{F}, \text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Lepidomelane . . . . .  $\text{K}(\text{Fe}, \text{Mg})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Lepidomorphite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Lesleyite . . . . .  $\text{K}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist **36 (1998), 905**
- D Lesserite . . . . .  $\text{MgB}_3\text{O}_3(\text{OH})_5 \cdot 5\text{H}_2\text{O}$   
Mineralogical Magazine **33 (1962), 262**
- A Lesukite . . . . .  $\text{Al}_2(\text{OH})_5\text{Cl} \cdot 2\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva **126 (1997) (2), 104**
- D Leucaugite . . . . .  $\text{CaMg}(\text{SiO}_3)_2$   
Mineralogical Magazine **52 (1988), 535**
- D Leucophyllite . . . . .  $\text{K}(\text{Al}, \text{Mg}, \text{Fe})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Leuzit . . . . .  $\text{KAlSi}_2\text{O}_6$   
Canadian Mineralogist **35 (1997), 1571**
- D Leverrierite . . . . .  $\text{K}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist **36 (1998), 905**
- A Levinsonite-(Y) . . . . .  $(\text{Y}, \text{Nd}, \text{Ce})\text{Al}(\text{SO}_4)_2(\text{C}_2\text{O}_4) \cdot 12\text{H}_2\text{O}$   
Geochimica et Cosmochimica Acta **65 (2001), 1101**
- A Lévyclaудite . . . . .  $\text{Pb}_8\text{Cu}_3\text{Sn}_7(\text{Bi}, \text{Sb})_3\text{S}_{28}$   
European Journal of Mineralogy **2 (1990), 711**
- D Levyine . . . . .  $(\text{Ca}, \text{Na}, \text{K})(\text{Si}, \text{Al})_6\text{O}_{12} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- D Levyite . . . . .  $(\text{Ca}, \text{Na}, \text{K})(\text{Si}, \text{Al})_6\text{O}_{12} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist **35 (1997), 1571**
- R Levyne-Ca . . . . .  $(\text{Ca}, \text{Na})_6(\text{Si}, \text{Al})_{18}\text{O}_{36} \cdot 18\text{H}_2\text{O}$

- Canadian Mineralogist 35 (1997), 1571
- A Levyne-Na . . . . . (Na, Ca)<sub>5</sub>(Si, Al)<sub>18</sub>O<sub>36</sub> • 18H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Levynite . . . . . (Ca, Na, K)(Si, Al)<sub>6</sub>O<sub>12</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Lewistonite . . . . . Ca<sub>5</sub>(PO<sub>4</sub>)<sub>3</sub>(F, CO<sub>3</sub>)  
Mineralogical Magazine 42 (1978), 282
- A Liandratite . . . . . U<sup>6+</sup>(Nb, Ta)<sub>2</sub>O<sub>8</sub>  
American Mineralogist 63 (1978), 941
- A Liberite . . . . . Li<sub>2</sub>BeSiO<sub>4</sub>  
Mineralogical Magazine 36 (1967), 132
- A Liddicoatite . . . . . (Li, Al)<sub>3</sub>CaAl<sub>6</sub>(BO<sub>3</sub>)<sub>3</sub>Si<sub>6</sub>O<sub>18</sub>(O, OH, F)<sub>4</sub>  
American Mineralogist 62 (1977), 1121
- A Liebauite . . . . . Ca<sub>3</sub>Cu<sub>5</sub>Si<sub>9</sub>O<sub>26</sub>  
Zeitschrift für Kristallographie 200 (1992), 115
- A Liebenbergite . . . . . (Ni, Mg)<sub>2</sub>SiO<sub>4</sub>  
American Mineralogist 58 (1973), 733
- D Lilalite . . . . . K(Li, Al)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(F, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Lilalith . . . . . K(Li, Al)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(F, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Lime-bronzite . . . . . (Ca, Mg, Fe)<sub>2</sub>Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- D Lime-harmotome . . . . . (K, Na, Ca)<sub>2</sub>(Si, Al)<sub>8</sub>O<sub>16</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Lime mica . . . . . CaAl<sub>4</sub>Si<sub>2</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Lime-soda mesotype . . . . . Na<sub>2</sub>Ca<sub>2</sub>Al<sub>6</sub>Si<sub>9</sub>O<sub>30</sub> • 8H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Lincolnine . . . . . (Na, Ca)<sub>3</sub>(Si, Al)<sub>18</sub>O<sub>36</sub> • 12H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Lincolnite . . . . . (Na, Ca)<sub>3</sub>(Si, Al)<sub>18</sub>O<sub>36</sub> • 12H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- R Lindackerite . . . . . (Cu, Co)<sub>5</sub>(AsO<sub>4</sub>)<sub>2</sub>(AsO<sub>3</sub>OH)<sub>2</sub> • 9H<sub>2</sub>O  
Archives des Sciences (Geneva) 48 (1995), 239
- A Lindqvistite . . . . . Pb<sub>2</sub>(Mn<sup>2+</sup>, Mg)Fe<sub>16</sub><sup>3+</sup>O<sub>27</sub>  
American Mineralogist 78 (1993), 1304
- A Lindsleyite . . . . . (Ba, Sr)(Ti, Cr, Fe)<sub>21</sub>O<sub>38</sub>  
American Mineralogist 68 (1983), 494
- D Linosite . . . . . NaCa<sub>2</sub>(Mg, Fe)<sub>4</sub>Ti(Si<sub>6</sub>Al<sub>2</sub>)O<sub>23</sub>(OH)  
American Mineralogist 63 (1978), 1023
- A Lintisite . . . . . Na<sub>3</sub>LiTi<sub>2</sub>O<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub> • 2H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 119 (3) (1990), 76
- D Lintonite . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Liottite . . . . . (Na, K)<sub>16</sub>Ca<sub>8</sub>Si<sub>18</sub>Al<sub>18</sub>O<sub>72</sub>(SO<sub>4</sub>)<sub>5</sub>Cl<sub>4</sub>  
American Mineralogist 62 (1977), 321
- A Lisetite . . . . . Na<sub>2</sub>CaAl<sub>4</sub>(SiO<sub>4</sub>)<sub>4</sub>  
American Mineralogist 71 (1986), 1372
- A Lishizhenite . . . . . ZnFe<sub>2</sub><sup>3+</sup>(SO<sub>4</sub>)<sub>4</sub> • 14H<sub>2</sub>O  
Acta Mineralogica Sinica (in Chinese) 10 (1990), 299

- A Lisitsynite . . . . .  $\text{KBSi}_2\text{O}_6$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* **129 (2000) (6), 35**
- D Lithia mica . . . . .  $\text{K, Li, Fe, Mg, Al, Si, O, OH}$   
*Canadian Mineralogist* **36 (1998), 905**
- A Lithiomarsturite . . . . .  $\text{LiMn}_2^{2+}\text{Ca}_2\text{Si}_5\text{O}_{14}(\text{OH})$   
*American Mineralogist* **75 (1990), 409**
- D Lithioneisenglimmer . . . . .  $\text{K}(\text{Al, Fe, Li})_3(\text{Si, Al})_4\text{O}_{10}(\text{OH})\text{F}$   
*Canadian Mineralogist* **36 (1998), 905**
- D Lithionglaucophan . . . . .  $\text{Li}_2(\text{Mg, Fe})_3\text{Al}_2\text{Si}_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* **63 (1978), 1023**
- D Lithionglimmer . . . . .  $\text{K}(\text{Li, Al})_3(\text{Si, Al})_4\text{O}_{10}(\text{F, OH})_2$   
*Canadian Mineralogist* **36 (1998), 905**
- D Lithionit . . . . .  $\text{K}(\text{Li, Al})_3(\text{Si, Al})_4\text{O}_{10}(\text{F, OH})_2$   
*Canadian Mineralogist* **36 (1998), 905**
- D Lithionite . . . . .  $\text{K}(\text{Li, Al})_3(\text{Si, Al})_4\text{O}_{10}(\text{F, OH})_2$   
*Canadian Mineralogist* **36 (1998), 905**
- D Lithionitesilicat . . . . .  $\text{K}(\text{Li, Al})_3(\text{Si, Al})_4\text{O}_{10}(\text{F, OH})_2$   
*Canadian Mineralogist* **36 (1998), 905**
- A Lithiotantite . . . . .  $\text{Li}(\text{Ta, Nb})_3\text{O}_8$   
*Mineralogicheskii Zhurnal* **5 (1983) (1), 91**
- A Lithiowodginite . . . . .  $(\text{Li, Mn})(\text{Ta, Nb, Sn})_3\text{O}_8$   
*Mineralogicheskii Zhurnal* **12 (1990) (1), 94**
- D Lithium-amphibole . . . . .  $\text{Li}_2(\text{Mg, Fe})_3\text{Al}_2\text{Si}_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* **63 (1978), 1023**
- D Lithium muscovite . . . . .  $(\text{Li, K})\text{Al}_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
*Canadian Mineralogist* **36 (1998), 905**
- D Lithium phengite . . . . .  $(\text{K, Li})\text{Al}_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
*Canadian Mineralogist* **36 (1998), 905**
- A Lithosite . . . . .  $\text{K}_3\text{Al}_2\text{Si}_4\text{O}_{12}(\text{OH})$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112 (1983), 218**
- A Litvinskite . . . . .  $\text{Na}_2(\square, \text{Na, Mn})\text{ZrSi}_6\text{O}_{12}(\text{OH, O})_6$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* **129 (2000) (1), 45**
- D Liujinyinite . . . . .  $\text{Ag}_3\text{AuS}_2$   
*American Mineralogist* **72 (1987), 1031**
- D Lodochnikite . . . . .  $(\text{U, Ca, Y, Ce})(\text{Ti, Fe})_2\text{O}_6$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92 (1963), 113**
- D Loganite . . . . .  $\text{Ca, Mg, Fe, Si, Al, O}$   
*Mineralogical Magazine* **52 (1988), 535**
- A Lokkaite-(Y) . . . . .  $\text{CaY}_4(\text{CO}_3)_7 \cdot 9\text{H}_2\text{O}$   
*Geological Society of Finland, Bulletin* **43 (1970), 67**
- D Lomonite . . . . .  $\text{CaAl}_2\text{Si}_4\text{O}_{12} \cdot 4\text{H}_2\text{O}$   
*Canadian Mineralogist* **35 (1997), 1571**
- A Lomonosovite . . . . .  $\text{Na}_5\text{Ti}_2\text{O}_2(\text{Si}_2\text{O}_7)(\text{PO}_4)$   
*Mineralogical Magazine* **36 (1967), 134**
- D  $\beta$ -Lomonosovite . . . . .  $(\text{Na, Ca})_2(\text{Ti, Nb})_2(\text{Si}_2\text{O}_7)\text{O}(\text{OH, F})_2 \cdot \text{NaPO}_2(\text{OH})_2$   
*Mineralogical Magazine* **36 (1967), 133**
- A Londonite . . . . .  $(\text{Cs, K})\text{Al}_4\text{Be}_4(\text{B, Be})_{12}\text{O}_{28}$   
*Canadian Mineralogist* **39 (2001), 747**
- A Lonecreekite . . . . .  $\text{NH}_4(\text{Fe}^{3+}, \text{Al})(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$   
*Annals Geological Survey of South Africa* **17 (1983), 29**
- A Lonsdaleite . . . . .  $\text{C}$   
*Nature* **214 (1967), 587**

- A Loparite-(Ce) . . . . . (Na, Ce, Sr)(Ce, Th)(Ti, Nb)O<sub>3</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Loranskite-(Y) . . . . . (Y, Ce, Ca)(Zr, Ta)<sub>2</sub>O<sub>6</sub> (?)  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Lorettoite . . . . . Pb<sub>7</sub>O<sub>6</sub>Cl<sub>2</sub>  
American Mineralogist 64 (1979), 1303
- D Lotalite . . . . . CaFe<sub>2</sub>Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- R Lotharmeyerite . . . . . Ca(Zn, Mn<sup>3+</sup>)<sub>2</sub>(AsO<sub>3</sub>OH)<sub>2</sub>(OH)<sub>3</sub>  
Mineralogical Record 14 (1983), 35
- A Loudounite . . . . . NaCa<sub>5</sub>Zr<sub>4</sub>Si<sub>16</sub>O<sub>40</sub>(OH)<sub>11</sub>•8H<sub>2</sub>O  
Canadian Mineralogist 21 (1983), 37
- A Loughlinitite . . . . . Na<sub>2</sub>Mg<sub>3</sub>Si<sub>6</sub>O<sub>16</sub>•8H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 260
- A Lourenswalsite . . . . . (K, Ba)<sub>2</sub>Ti<sub>4</sub>(Si, Al)<sub>6</sub>O<sub>14</sub>(OH)<sub>12</sub>  
Mineralogical Magazine 51 (1987), 417
- A Lovdarite . . . . . K<sub>2</sub>Na<sub>6</sub>Be<sub>4</sub>Si<sub>14</sub>O<sub>36</sub>•9H<sub>2</sub>O  
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 213 (1973), 130
- A Loveringite . . . . . (Ca, Ce, La)(Ti, Fe, Cr)<sub>21</sub>O<sub>38</sub>  
American Mineralogist 63 (1978), 28
- A Luanheite . . . . . Ag<sub>3</sub>Hg  
Acta Mineralogica Sinica (in Chinese) 4 (1984), 97
- A Luberoite . . . . . Pt<sub>5</sub>Se<sub>4</sub>  
European Journal of Mineralogy 4 (1992), 683
- A Lucasite-(Ce) . . . . . (Ce, La)Ti<sub>2</sub>O<sub>5</sub>(OH)  
American Mineralogist 72 (1987), 1006
- A Luddenite . . . . . Cu<sub>2</sub>Pb<sub>2</sub>Si<sub>5</sub>O<sub>14</sub>•14H<sub>2</sub>O  
Mineralogical Magazine 46 (1982), 363
- A Ludjibaite . . . . . Cu<sub>5</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>4</sub>  
Bulletin de Minéralogie 111 (1988), 167
- A Ludlockite . . . . . PbFe<sub>4</sub><sup>3+</sup>As<sub>10</sub><sup>3+</sup>O<sub>22</sub>  
Mineralogical Society of Japan Special Paper 1 (1970), 264
- A Lueshite . . . . . NaNbO<sub>3</sub>  
Mineralogical Magazine 33 (1962), 261
- A Luetheite . . . . . Cu<sub>2</sub>Al<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>(OH)<sub>4</sub>•H<sub>2</sub>O  
Mineralogical Magazine 41 (1977), 27
- A Lukechangite-(Ce) . . . . . Na<sub>3</sub>Ce<sub>2</sub>(CO<sub>3</sub>)<sub>4</sub>F  
American Mineralogist 82 (1997), 1255
- A Lukrahnite . . . . . Ca(Cu, Zn)(Fe<sup>3+</sup>, Zn)(AsO<sub>4</sub>)<sub>2</sub>(OH, H<sub>2</sub>O)<sub>2</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (2001), 481
- A Lulzacite . . . . . Sr<sub>2</sub>Fe<sup>2+</sup>(Fe, Mg)<sub>2</sub>Al<sub>4</sub>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>10</sub>  
Comptes Rendus, Académie des Sciences (Paris) ser. II, 330 (2000), 317
- A Lunijianlaite . . . . . Li<sub>0.7</sub>Al<sub>6.2</sub>(Si<sub>7</sub>Al)<sub>20</sub>(OH, O)<sub>10</sub>  
International Mineralogical Association, General Meeting Program Abstracts  
(1990), 702
- A Lun'okite . . . . . (Mg, Fe<sup>2+</sup>)(Mn<sup>2+</sup>, Ca)Al(PO<sub>4</sub>)<sub>2</sub>(OH)•4H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 232
- D Lusungite . . . . . (Sr, Pb)Fe<sub>3</sub>(PO<sub>4</sub>)(PO<sub>3</sub>OH)(OH)<sub>6</sub>  
Mineralogical Magazine 59 (1995), 143
- A Lyonsite . . . . . Cu<sub>3</sub><sup>2+</sup>Fe<sub>4</sub><sup>3+</sup>(VO<sub>4</sub>)<sub>6</sub>  
American Mineralogist 72 (1987), 1000

- A Macaulayite . . . . .  $(\text{Fe}^{3+}, \text{Al})_{24}\text{Si}_4\text{O}_{43}(\text{OH})_2$   
 Mineralogical Magazine 48 (1984), 127
- A Macdonaldite . . . . .  $\text{BaCa}_4\text{Si}_{16}\text{O}_{36}(\text{OH})_2 \cdot 10\text{H}_2\text{O}$   
 American Mineralogist 50 (1965), 314
- A Macedonite . . . . .  $\text{PbTiO}_3$   
 American Mineralogist 56 (1971), 387
- A Macfallite . . . . .  $\text{Ca}_2(\text{Mn}^{3+}, \text{Al})_3(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_3$   
 Mineralogical Magazine 43 (1979), 325
- A Machatschkiite . . . . .  $\text{Ca}_6(\text{AsO}_4)(\text{AsO}_3\text{OH})_3\text{PO}_4 \cdot 15\text{H}_2\text{O}$   
 Tschermaks Mineralogische und Petrographische Mitteilungen 24 (1977), 125
- A Mackinawite . . . . .  $(\text{Fe}, \text{Ni})_{1+x}\text{S}$  ( $x = 0-0.07$ )  
 Mineralogical Magazine 36 (1967), 132
- D Maconite . . . . .  $\text{K}, \text{Fe}, \text{Mg}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$  (?)  
 Canadian Mineralogist 36 (1998), 905
- A Macphersonite . . . . .  $\text{Pb}_4(\text{SO}_4)(\text{CO}_3)_2(\text{OH})_2$   
 Mineralogical Magazine 48 (1984), 277
- A Macquartite . . . . .  $\text{CuPb}_3(\text{CrO}_4)\text{SiO}_3(\text{OH})_4 \cdot 2\text{H}_2\text{O}$   
 Bulletin de Minéralogie 103 (1980), 530
- D Macrokaolinite . . . . .  $\text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
 Mineralogical Magazine 43 (1980), 1055
- D Macrolepidolite . . . . .  $\text{K}(\text{Li}, \text{Al})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{F}, \text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Madocite . . . . .  $\text{Pb}_{18}(\text{Sb}, \text{As})_{15}\text{S}_{41}$   
 Canadian Mineralogist 9 (1967), 7
- A Magadiite . . . . .  $\text{Na}_2\text{Si}_{14}\text{O}_{29} \cdot 11\text{H}_2\text{O}$   
 Science 157 (1967), 1177
- D Maganthophyllite . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- A Magbasite . . . . .  $\text{KBa}(\text{Mg}, \text{Fe}^{2+})_6(\text{Al}, \text{Sc})\text{Si}_6\text{O}_{20}\text{F}_2$   
 Mineralogical Magazine 36 (1968), 1144
- A Maghagendorfite . . . . .  $(\text{Na}, \square)\text{MgMn}^{2+}(\text{Fe}^{2+}, \text{Fe}^{3+})_2(\text{PO}_4)_3$   
 Mineralogical Magazine 43 (1979), 227
- D Magnesia-arfvedsonite . . . . .  $\text{Na}_3(\text{Mg}, \text{Fe})_4\text{Fe}^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Magnesia mica . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Magnesian glaucophane . . . . .  $\text{Na}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Magnesian hastingsite . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Fe})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Magnesian hastingsitic hornblende . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Fe})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Magnesiano-alumino-katophorite . . . . .  $\text{Na}_2\text{CaMg}_4\text{Al}(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Magnesiano-alumino-taramite . . . . .  $\text{Na}_2\text{CaMg}_3\text{Al}_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- D Magnesiano-anthophyllite . . . . .  $(\text{Mg}, \text{Fe}^{2+})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- R Magnesiano-arfvedsonite . . . . .  $(\text{Na}, \square)_3(\text{Mg}, \text{Fe}^{2+}, \text{Fe}^{3+})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 35 (1997), 219
- A Magnesianoaubertite . . . . .  $(\text{Mg}, \text{Cu})\text{Al}(\text{SO}_4)_2\text{Cl} \cdot 14\text{H}_2\text{O}$   
 Aufschluss 39 (1988), 97

- A Magnesio-axinite . . . . .  $\text{Ca}_4(\text{Mg, Fe, Mn})_2\text{Al}_4[\text{B}_2\text{Si}_8\text{O}_{30}](\text{OH})_2$   
**Journal of Gemmology 14 (1975), 368**
- A Magnesiocarpholite . . . . .  $(\text{Mg, Fe}^{2+})(\text{Al, Fe}^{3+})_2\text{Si}_2\text{O}_6(\text{OH})_4$   
**Comptes Rendus, Académie des Sciences (Paris) ser. D, 277 (1973), 1965**
- R Magnesiochloritoid . . . . .  $(\text{Mg, Fe}^{2+})\text{Al}_2\text{O}(\text{SiO}_4)(\text{OH})_2$   
**Bulletin de Minéralogie 106 (1983), 715**
- D Magnesioclinoholmquistite . . . . .  $\text{Li}_2(\text{Mg, Fe}^{2+})_3\text{Al}_2\text{Si}_8\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**
- D Magnesio-clinoholmquistite . . . . .  $\text{Li}_2(\text{Mg, Fe})_3(\text{Al, Fe}^{3+})_2\text{Si}_8\text{O}_{22}(\text{OH, F})_2$   
**Canadian Mineralogist 35 (1997), 219**
- A Magnesiocoulsonite . . . . .  $\text{Mg}(\text{V, Cr})_2\text{O}_4$   
**Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 124 (1995) (4), 91**
- D Magnesio-cummingtonite . . . . .  $(\text{Mg, Fe}^{2+})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**
- A Magnesiodymortierite . . . . .  $(\text{Mg, Ti})(\text{Al, Mg})_2\text{Al}_4\text{BSi}_3(\text{O, OH})_{18}$   
**European Journal of Mineralogy 7 (1995), 167**
- A Magnesio-ferri-katophorite . . . . .  $\text{Na}_2\text{CaMg}_4\text{Fe}^{3+}(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
**American Mineralogist 63 (1978), 1023**
- D Magnesio-ferri-taramite . . . . .  $\text{Na}_2\text{CaMg}_3\text{Fe}_2^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**
- A Magnesiofoitite . . . . .  $\square(\text{Mg}_2\text{Al})\text{Al}_6\text{Si}_6\text{O}_{18}(\text{BO}_3)_3(\text{OH})_4$   
**Canadian Mineralogist 37 (1999), 1439**
- D Magnesio-gedrite . . . . .  $(\text{Mg, Fe}^{2+})_5\text{Al}_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**
- R Magnesiohastingsite . . . . .  $\text{NaCa}_2(\text{Mg, Fe}^{2+})_4\text{Fe}^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**
- D Magnesio-hastingsitic hornblende . . . . .  $\text{NaCa}_2(\text{Mg, Fe})_4\text{Fe}^{3+}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**
- R Magnesiohögbomite-2N2S . . . . .  $(\text{Al, Mg, Fe, Ti})_{22}(\text{O, OH})_{32}$   
**European Journal of Mineralogy 14 (2002), 389**
- R Magnesiohögbomite- 2N3S . . . . .  $(\text{Mg, Fe, Zn, Ti})_{9.6}\text{Al}_{18.3}\text{O}_{38}(\text{OH})_2$   
**European Journal of Mineralogy 14 (2002), 389**
- R Magnesiohögbomite-6N6S . . . . .  $(\text{Al, Mg, Ti, } \square)_{66}(\text{O, OH})_{96}$   
**European Journal of Mineralogy 14 (2002), 389**
- D Magnesio-holmquistite . . . . .  $\text{Li}_2(\text{Mg, Fe}^{2+})_3\text{Al}_2\text{Si}_8\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**
- R Magnesiohornblende . . . . .  $\square\text{Ca}_2(\text{Mg, Fe}^{2+})_4(\text{Al, Fe}^{3+})(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH, F})_2$   
**Canadian Mineralogist 35 (1997), 219**
- A Magnesiohulsite . . . . .  $(\text{Mg, Fe})_2(\text{Fe}^{3+}, \text{Sn, Mg})\text{O}_2(\text{BO}_3)$   
**Acta Mineralogica Sinica (in Chinese) 5 (1985), 97**
- R Magnesiokatophorite . . . . .  $\text{Na}_2\text{Ca}(\text{Fe, Mg})_4(\text{Al, Fe}^{3+})(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH, F})_2$   
**Canadian Mineralogist 35 (1997), 219**
- D Magnesiolaumontite . . . . .  $(\text{Ca, Mg})\text{Al}_2\text{Si}_4\text{O}_{12} \cdot 4\text{H}_2\text{O}$   
**Mineralogical Magazine 36 (1967), 133**
- D Magnesiomargarite . . . . .  $\text{CaMg}_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
**Canadian Mineralogist 36 (1998), 905**
- R Magnesionigerite-2N1S . . . . .  $(\text{Mg, Al, Zn})_4(\text{Sn, Fe})_2\text{Al}_{10}\text{O}_{22}(\text{OH})_2$   
**European Journal of Mineralogy 14 (2002), 389**
- R Magnesionigerite-6N6S . . . . .  $(\text{Mg, Al, Zn})_4(\text{Sn, Fe})_2\text{Al}_{10}\text{O}_{22}(\text{OH})_2$   
**European Journal of Mineralogy 14 (2002), 389**
- R Magnesoriebeckite . . . . .  $(\square, \text{Na})_2(\text{Mg, Fe}^{2+}, \text{Fe}^{3+})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
**Canadian Mineralogist 35 (1997), 219**

- R Magnesiosadanagaite . . . . . (Na, K)Ca<sub>2</sub>(Mg, Fe<sup>3+</sup>, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Magnesiostaurolite . . . . . Mg<sub>4</sub>Al<sub>17</sub>(Si, Al)<sub>8</sub>O<sub>45</sub>(OH)<sub>3</sub>  
European Journal of Mineralogy 15 (2003), 167
- R Magnesiotaaffeite-2N'2S . . . . . Mg<sub>3</sub>BeAl<sub>8</sub>O<sub>16</sub>  
European Journal of Mineralogy 14 (2002), 389
- R Magnesiotaaffeite-6N'3S . . . . . (Mg, Fe, Zn)<sub>2</sub>BeAl<sub>6</sub>O<sub>12</sub>  
European Journal of Mineralogy 14 (2002), 389
- A Magnesiotantalite . . . . . (Mg, Fe)(Ta, Nb)<sub>2</sub>O<sub>6</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (2), 49
- R Magnesiotaramite . . . . . Na<sub>2</sub>Ca(Mg, Fe)<sub>3</sub>(Al, Fe<sup>3+</sup>)<sub>2</sub>(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Magnesite . . . . . MgCO<sub>3</sub>  
Mineralogical Magazine 33 (1962), 263
- D Magnesium anthophyllite . . . . . (Mg, Fe)<sub>7</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- R Magnesium-chlorophoenicite . . . . . (Mg, Mn)<sub>3</sub>Zn<sub>2</sub>AsO<sub>4</sub>(OH, O)<sub>6</sub>  
Canadian Mineralogist 19 (1981), 333
- D Magnesium orthite . . . . . CaCeMg<sub>2</sub>AlSi<sub>3</sub>O<sub>16</sub>(OH, F)<sub>2</sub>  
American Mineralogist 73 (1988), 838
- D Magnesium sericite . . . . . (K, H<sub>3</sub>O)(Al, Mg)<sub>2</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(H<sub>2</sub>O, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Magnesium szomolnokite . . . . . (Fe, Mg)SO<sub>4</sub>•H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 261
- R Magnesium-zippeite . . . . . Mg(UO<sub>2</sub>)<sub>2</sub>(SO<sub>4</sub>)O<sub>2</sub>•3.5H<sub>2</sub>O  
American Mineralogist 88 (2003), 676
- D Magnetostibian . . . . . (Mn, Fe<sup>2+</sup>, Fe<sup>3+</sup>)<sub>3</sub>O<sub>4</sub>  
Geologiska Föreningens i Stockholm Förhandlingar 94 (1972), 423
- D Magnioborite . . . . . Mg<sub>2</sub>B<sub>2</sub>O<sub>5</sub> (?)  
American Mineralogist 48 (1963), 915
- A Magnocolumbite . . . . . (Mg, Fe<sup>2+</sup>, Mn<sup>2+</sup>)(Nb, Ta)<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 36 (1967), 132
- D Magnodravite . . . . . (Na, Ca)(Mg, Al, V, Cr, Fe)<sub>3</sub>Al<sub>6</sub>(BO<sub>3</sub>)<sub>3</sub>Si<sub>6</sub>O<sub>18</sub>(OH)<sub>4</sub>  
Mineralogical Magazine 36 (1968), 1144
- D Magnophorite . . . . . (Na, K)<sub>2</sub>Ca(Mg, Fe, Ti)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- R Magnussonite . . . . . Mn<sub>18</sub><sup>2+</sup>[As<sub>6</sub><sup>3+</sup>Mn<sup>1+</sup>O<sub>18</sub>]<sub>2</sub>Cl<sub>2</sub>  
American Mineralogist 69 (1984), 800
- D Mahadevite . . . . . K, Al, Fe, Mg, Si, O  
Canadian Mineralogist 36 (1998), 905
- A Mahlmoodite . . . . . Fe<sup>2+</sup>Zr(PO<sub>4</sub>)<sub>2</sub>•4H<sub>2</sub>O  
American Mineralogist 78 (1993), 437
- A Mahnertite . . . . . (Na, Ca, K)Cu<sub>3</sub>(AsO<sub>4</sub>)<sub>2</sub>Cl•5H<sub>2</sub>O  
Archives des Sciences (Geneva) 49 (1996), 119
- D Maignruen . . . . . Cu<sub>2</sub>GaS<sub>3</sub>  
Mineralogical Magazine 43 (1980), 1055
- A Maikainite . . . . . Cu<sub>10</sub>(Fe, Cu)<sub>3</sub>MoGe<sub>3</sub>S<sub>16</sub>  
Doklady Akademiia Nauk (in Russian). 393 (2003), 809
- A Majakite . . . . . PdNiAs  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 105 (1976), 698
- A Majorite . . . . . Mg<sub>3</sub>(Fe, Al, Si)<sub>2</sub>(SiO<sub>4</sub>)<sub>3</sub>  
Science 168 (1970), 832

- A Makatite . . . . .  $\text{Na}_2\text{Si}_4\text{O}_8(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
 American Mineralogist 55 (1970), 358
- A Mäkinenite . . . . . NiSe  
 Mineralogical Magazine 36 (1967), 132
- A Makovickyite . . . . .  $(\text{Cu}, \text{Ag})_{1.5}(\text{Bi}, \text{Pb})_{5.5}\text{S}_9$   
 Neues Jahrbuch für Mineralogie, Abhandlungen 168 (1994), 147
- D Malacolite . . . . .  $\text{CaMg}(\text{SiO}_3)_2$   
 Mineralogical Magazine 52 (1988), 535
- A Malanite . . . . .  $\text{Cu}(\text{Pt}, \text{Ir})_2\text{S}_4$   
 Acta Geologica Sinica (in Chinese) 2 (1974), 202
- A Malayaite . . . . .  $\text{CaSnO}(\text{SiO}_4)$   
 Mineralogical Magazine 35 (1965), 622
- A Malinkoite . . . . .  $\text{NaBSiO}_4$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 129 (2000) (6), 35
- A Mallestigit . . . . .  $\text{Pb}_3\text{Sb}(\text{SO}_4)(\text{AsO}_4)(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
 Mitteilungen, Österreichische Mineralogische Gesellschaft 143 (1998), 225
- A Mammothite . . . . .  $\text{Pb}_6\text{Cu}_4\text{AlSb}^{5+}\text{O}_2(\text{SO}_4)_2\text{Cl}_4(\text{OH})_{16}$   
 Mineralogical Record 16 (1985), 117
- A Manaksite . . . . .  $\text{KNaMn}^{2+}\text{Si}_4\text{O}_{10}$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 121 (1992) (1), 112
- A Mandarinioite . . . . .  $\text{Fe}_2^{3+}(\text{Se}^{4+}\text{O}_3)_3 \cdot 6\text{H}_2\text{O}$   
 Canadian Mineralogist 16 (1978), 605
- D Manganactinolite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Mn})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Mangan-actinolite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Mn})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Manganamphibole . . . . .  $\text{MnSiO}_3$   
 American Mineralogist 63 (1978), 1023
- D Mangan amphibole . . . . .  $(\text{Mn}, \text{Fe}, \text{Mg}, \text{Ca})\text{SiO}_3$   
 Canadian Mineralogist 16 (1978), 501
- D Manganandalusite . . . . .  $(\text{Al}, \text{Mn})_2\text{SiO}_5$   
 American Mineralogist 72 (1987), 1031
- A Manganarsite . . . . .  $\text{Mn}_3^{2+}\text{As}_2^{3+}\text{O}_4(\text{OH})_4$   
 American Mineralogist 71 (1986), 1517
- A Manganbabingtonite . . . . .  $\text{Ca}_2(\text{Mn}^{2+}, \text{Fe}^{2+})\text{Fe}^{3+}\text{Si}_5\text{O}_{14}(\text{OH})$   
 Mineralogical Magazine 38 (1971), 103
- D Mangancrocidolite . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg}, \text{Mn})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- D Mangan crocidolite . . . . .  $\square\text{Na}_2(\text{Fe}^{2+}, \text{Mg}, \text{Mn})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH}, \text{F})_2$   
 American Mineralogist 63 (1978), 1023
- D Manganese mica . . . . .  $\text{K}(\text{Mg}, \text{Fe}, \text{Mn})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Manganese muscovite . . . . .  $\text{K}(\text{Al}, \text{Mn})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Manganglauconite . . . . .  $(\text{K}, \text{Na})(\text{Fe}, \text{Al}, \text{Mg}, \text{Mn})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Mangangordonite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Mg})\text{Al}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 8\text{H}_2\text{O}$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1991), 169
- A Manganhumite . . . . .  $(\text{Mn}^{2+}, \text{Mg})_7(\text{SiO}_4)_3(\text{OH})_2$   
 Mineralogical Magazine 42 (1978), 133
- D Mangankrocidolith . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg}, \text{Mn})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$



- American Mineralogist 63 (1978), 1023
- D Mangan krokidolith . . . . .  $\square\text{Na}_2(\text{Fe}^{2+}, \text{Mg}, \text{Mn})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH}, \text{F})_2$   
American Mineralogist 63 (1978), 1023
- A Manganlotharmeyerite . . . . .  $\text{Ca}(\text{Mn}^{3+}, \text{Mg})_2(\text{AsO}_4)_2(\text{OH}, \text{H}_2\text{O})_2$   
Canadian Mineralogist 40 (2002), 1597
- D Mangan-muscovite . . . . .  $\text{K}(\text{Al}, \text{Mn})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Manganmuscovite . . . . .  $\text{K}(\text{Al}, \text{Mn})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Mangano-anthophyllite . . . . .  $(\text{K}, \text{Na})(\text{Fe}, \text{Al}, \text{Mg}, \text{Mn})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Manganochromite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})(\text{Cr}, \text{V}^{3+})_2\text{O}_4$   
American Mineralogist 63 (1978), 1166
- R Manganocummingtonite . . . . .  $\square\text{Mn}_2(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- R Manganogrunerite . . . . .  $\square\text{Mn}_2(\text{Fe}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Manganokhomyakovite . . . . .  $\text{Na}_{12}\text{Ca}_6\text{Sr}_3\text{Mn}_3\text{WZr}_3(\text{Si}_{25}\text{O}_{73})(\text{O}, \text{OH}, \text{H}_2\text{O})_3(\text{Cl}, \text{OH})_2$   
Canadian Mineralogist 37 (1999), 893
- A Manganokukisvumite . . . . .  $\text{Na}_6\text{MnTi}_4\text{Si}_8\text{O}_{28} \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist Special Publication 6 (2003), 117
- D Manganomelane . . . . .  $(\text{Ba}, \text{H}_2\text{O})_2\text{Mn}_5\text{O}_{10}$   
Mineralogical Magazine 46 (1982), 513
- D Manganomossite . . . . .  $\text{MnNb}_2\text{O}_6$   
Mineralogical Magazine 33 (1962), 262
- A Manganonaujakasite . . . . .  $\text{Na}_6(\text{Mn}, \text{Fe}^{2+})\text{Al}_4\text{Si}_8\text{O}_{26}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 129 (2000) (4), 48
- A Manganonordite-(Ce) . . . . .  $\text{Na}_3\text{Sr}(\text{Ce}, \text{La})(\text{Mn}, \text{Zn}, \text{Fe})\text{Si}_6\text{O}_{17}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 127 (1998) (1), 32
- D Manganophyll . . . . .  $\text{K}(\text{Mg}, \text{Fe}, \text{Mn})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Manganophyllite . . . . .  $\text{K}(\text{Mg}, \text{Fe}, \text{Mn})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Manganosegelerite . . . . .  $(\text{Mn}^{2+}, \text{Ca})(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Mg})\text{Fe}^{3+}(\text{PO}_4)_2(\text{OH}) \cdot 4\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (2), 95
- D Manganosteenstrupine . . . . .  $\text{Na}_{14}\text{Ce}_6\text{Mn}_2\text{Fe}_2^{3+}\text{Zr}(\text{PO}_4)_7\text{Si}_{12}\text{O}_{36}(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 261
- A Manganotapiolite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})(\text{Ta}, \text{Nb})_2\text{O}_6$   
Geological Society of Finland, Bulletin 55 (1983), 101
- A Manganotychite . . . . .  $\text{Na}_6(\text{Mn}^{2+}, \text{Fe}^{2+}, \text{Mg})_2(\text{CO}_3)_4(\text{SO}_4)$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 119 (5) (1990), 46
- D Manganphlogopite . . . . .  $\text{K}(\text{Mg}, \text{Mn})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Manganseverginite . . . . .  $\text{Ca}_2\text{MnAl}_2\text{BSi}_4\text{O}_{15}\text{OH}$   
Mineralogical Magazine 38 (1971), 103
- D Mangantapiolite . . . . .  $\text{MnTa}_2\text{O}_6$   
Geological Society of Finland, Bulletin 55 (1983), 101
- D Mangan-tremolite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Mn})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Manganuralite . . . . .  $\text{Na}_3(\text{Mg}, \text{Fe}, \text{Mn})_4\text{Fe}^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023

- A Manganvesuvianite . . .  $\text{Ca}_{19}\text{Mn}^{3+}(\text{Al}, \text{Mn}^{3+})_{10}(\text{Mg}, \text{Mn}^{2+})_2(\text{SiO}_4)_{10}(\text{Si}_2\text{O}_7)_4\text{O}(\text{OH})_9$   
**Mineralogical Magazine 66 (2002), 137**
- A Manjiroite . . . . .  $(\text{Na}, \text{K})(\text{Mn}^{4+}, \text{Mn}^{2+})_8\text{O}_{16} \cdot n\text{H}_2\text{O}$   
**Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists 58 (1967), 39**
- A Mannardite . . . . .  $\text{Ba}_x\text{Ti}_{8-2x}(\text{V}^{3+}, \text{Cr})_{2x}\text{O}_{16} \cdot 2 - x\text{H}_2\text{O}$   
**Canadian Mineralogist 24 (1986), 55**
- D Mansjöite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})_2\text{Si}_2\text{O}_6$   
**Mineralogical Magazine 52 (1988), 535**
- A Mantienneite . . . . .  $\text{KMg}_2\text{Al}_2\text{Ti}(\text{PO}_4)_4(\text{OH})_3 \cdot 15\text{H}_2\text{O}$   
**Bulletin de Minéralogie 107 (1984), 737**
- A Mapimite . . . . .  $\text{Zn}_2\text{Fe}_3^{3+}(\text{AsO}_4)_3(\text{OH})_4 \cdot 10\text{H}_2\text{O}$   
**Bulletin de Minéralogie 104 (1981), 582**
- D Marburgite . . . . .  $(\text{K}, \text{Na}, \text{Ca})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
**Canadian Mineralogist 35 (1997), 1571**
- A Marecottite . . . . .  $\text{Mg}_3\text{O}_6(\text{UO}_2)_8(\text{SO}_4)_4(\text{OH})_2 \cdot 28\text{H}_2\text{O}$   
**American Mineralogist 88 (2003), 676**
- A Margaritasite . . . . .  $(\text{Cs}, \text{H}_3\text{O}, \text{K})_2(\text{UO}_2)_2(\text{VO}_4)_2 \cdot \text{H}_2\text{O}$   
**American Mineralogist 67 (1982), 1273**
- A Margarite . . . . .  $\text{CaAl}_2(\text{Si}_2\text{Al}_2)\text{O}_{10}(\text{OH})_2$   
**Canadian Mineralogist 36 (1998), 905**
- D Margarodite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
**Canadian Mineralogist 36 (1998), 905**
- A Mariçite . . . . .  $\text{NaFe}^{2+}\text{PO}_4$   
**Canadian Mineralogist 15 (1977), 396**
- A Maricopaite . . . . .  $\text{Ca}_2\text{Pb}_7(\text{Si}, \text{Al})_{48}(\text{O}, \text{OH})_{100} \cdot n(\text{H}_2\text{O}, \text{OH})$   
**Canadian Mineralogist 26 (1988), 309**
- D Marienglas . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
**Canadian Mineralogist 36 (1998), 905**
- D Marignacite . . . . .  $(\text{Ce}, \text{Ca}, \text{Y})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$   
**American Mineralogist 62 (1977), 403**
- A Marinellite . . . . .  $(\text{Na}, \text{K})_{42}\text{Ca}_6\text{Al}_{36}\text{Si}_{36}\text{O}_{144}(\text{SO}_4)_8\text{Cl}_2 \cdot 6\text{H}_2\text{O}$   
**European Journal of Mineralogy 15 (2003), 1019**
- D Mariposite . . . . .  $\text{K}(\text{Al}, \text{Cr})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
**Canadian Mineralogist 36 (1998), 905**
- D Marmairolite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe}, \text{Mn})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
**American Mineralogist 63 (1978), 1023**
- A Marokite . . . . .  $\text{CaMn}_2^{3+}\text{O}_4$   
**Bulletin de la Société Française de Minéralogie et de Cristallographie 86 (1963), 359**
- D Marsjatskite . . . . .  $(\text{K}, \text{Na})(\text{Fe}, \text{Al}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
**Canadian Mineralogist 36 (1998), 905**
- A Marsturite . . . . .  $\text{NaCaMn}_3^{2+}\text{Si}_5\text{O}_{14}(\text{OH})$   
**American Mineralogist 63 (1978), 1187**
- D Marsyatskite . . . . .  $(\text{K}, \text{Na})(\text{Fe}, \text{Al}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
**Canadian Mineralogist 36 (1998), 905**
- A Marthozite . . . . .  $\text{Cu}^{2+}(\text{UO}_2)_3(\text{Se}^{4+}\text{O}_3)_2\text{O}_2 \cdot 8\text{H}_2\text{O}$   
**Bulletin de la Société Française de Minéralogie et de Cristallographie 92 (1969), 278**
- A Martinite . . . . .  $(\text{Na}, \text{Ca})_{11}\text{Ca}_4(\text{Si}, \text{S}, \text{B})_{14}\text{B}_2\text{O}_{40}\text{F}_2 \cdot 4\text{H}_2\text{O}$   
**International Mineralogical Association, General Meeting Program Abstracts 18 (2002), 139**

- A Maslovite . . . . . PtBiTe  
Geologiya Rudnykh Mestorozhdenii 21 (1979), 94
- A Masutomilite . . . . .  $K(\text{Li, Al, Mn}^{2+})_3(\text{Si, Al})_4\text{O}_{10}(\text{F, OH})_2$   
Mineralogical Journal (Tokyo) 8 (1976), 95
- A Mathewrogersite . . . . .  $\text{Pb}_7(\text{Fe, Cu})\text{Al}_3\text{GeSi}_{12}\text{O}_{36}(\text{OH, H}_2\text{O})_6$   
Neues Jahrbuch für Mineralogie, Monatshefte (1986), 203
- A Mathiasite . . . . .  $(\text{K, Ca, Sr})(\text{Ti, Cr, Fe, Mg})_{21}\text{O}_{38}$   
American Mineralogist 68 (1983), 494
- A Matildite . . . . . AgBiS<sub>2</sub>  
Mineralogical Magazine 46 (1982), 511
- D Matorolite . . . . . SiO  
Mineralogical Magazine 38 (1971), 103
- A Matsubaraite . . . . .  $\text{Sr}_4\text{Ti}_5\text{O}_8(\text{Si}_2\text{O}_7)_2$   
European Journal of Mineralogy 14 (2002), 1119
- A Mattagamite . . . . . (Co, Fe)Te<sub>2</sub>  
Canadian Mineralogist 12 (1973), 55
- A Mattheddleite . . . . .  $\text{Pb}_5(\text{SiO}_4, \text{SO}_4)_3(\text{Cl, OH})$   
Scottish Journal of Geology 23 (1) (1987), 1
- A Matulaite . . . . .  $\text{CaAl}_{18}(\text{PO}_4)_{12}(\text{OH})_{20} \cdot 28\text{H}_2\text{O}$   
Aufschluss 31 (1980), 55
- A Mawbyite . . . . .  $\text{Pb}(\text{Fe}^{3+}, \text{Zn})_2(\text{AsO}_4)_2(\text{OH, H}_2\text{O})_2$   
American Mineralogist 74 (1989), 1377
- A Mawsonite . . . . . Cu<sub>6</sub>Fe<sub>2</sub>SnS<sub>8</sub>  
American Mineralogist 50 (1965), 900
- A Maxwellite . . . . . NaFe<sup>3+</sup>AsO<sub>4</sub>F  
Neues Jahrbuch für Mineralogie, Monatshefte (1991), 363
- D Mayaite . . . . . (Ca, Na)(Mg, Fe, Al)Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- A Mayenite . . . . . Ca<sub>12</sub>Al<sub>14</sub>O<sub>33</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1964), 22
- A Mayingite . . . . . IrBiTe  
Acta Mineralogica Sinica (in Chinese) 15 (1995), 5
- A Mazzite . . . . .  $(\text{Mg, K, Ca})_6(\text{Si}_{26}\text{Al}_{10})\text{O}_{72} \cdot 28\text{H}_2\text{O}$   
Contributions to Mineralogy and Petrology 45 (1974), 99
- A Mbobomkulite . . . . .  $(\text{Ni, Cu})\text{Al}_4(\text{NO}_3, \text{SO}_4)_2(\text{OH})_{12} \cdot 3\text{H}_2\text{O}$   
Annals Geological Survey of South Africa 14 (2) (1980), 1
- D Mboziite . . . . .  $(\text{Na, K})_2\text{Ca}(\text{Fe}^{2+}, \text{Mg})_3(\text{Al, Fe}^{3+})_2(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Mcallisterite . . . . .  $\text{Mg}_2[\text{B}_6\text{O}_7(\text{OH})_6]_2 \cdot 9\text{H}_2\text{O}$   
American Mineralogist 50 (1965), 629
- A Mcalpineite . . . . . Cu<sub>3</sub>Te<sup>6+</sup>O<sub>6</sub>•H<sub>2</sub>O  
Mineralogical Magazine 58 (1994), 417
- A Mcauslanite . . . . .  $\text{Fe}_3^{2+}\text{Al}_2(\text{PO}_4)_3(\text{PO}_3\text{OH})\text{F} \cdot 18\text{H}_2\text{O}$   
Canadian Mineralogist 26 (1988), 917
- A Mcbirneyite . . . . . Cu<sub>3</sub>(VO<sub>4</sub>)<sub>2</sub>  
Journal of Volcanology and Geothermal Research 33 (1987), 183
- A Mcconnellite . . . . . Cu<sup>1+</sup>CrO<sub>2</sub>  
United States Geological Survey, Professional Paper 887 (1976)
- A Mccrillisite . . . . . NaCs(Be, Li)Zr<sub>2</sub>(PO<sub>4</sub>)<sub>4</sub>•1-2H<sub>2</sub>O  
Canadian Mineralogist 32 (1994), 839
- A Mcgillite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})_8\text{Si}_6\text{O}_{15}(\text{OH})_8\text{Cl}_2$   
Canadian Mineralogist 18 (1980), 31

- A Mcguinnessite . . . . . (Mg, Cu)<sub>2</sub>CO<sub>3</sub>(OH)<sub>2</sub>  
*Mineralogical Record* 12 (1981), 143
- R Mckelveyite-(Y) . . . . . NaBa<sub>3</sub>(Ca, U)Y(CO<sub>3</sub>)<sub>6</sub>•3H<sub>2</sub>O  
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 119 (1990) (6), 76
- A Mckinstryite . . . . . (Ag, Cu)<sub>2</sub>S  
*Economic Geology* 61 (1966), 1383
- A Mcnearite . . . . . NaCa<sub>5</sub>(AsO<sub>4</sub>)(AsO<sub>3</sub>OH)<sub>4</sub>•4H<sub>2</sub>O  
*Schweizerische Mineralogische und Petrographische Mitteilungen* 61 (1981), 1
- A Medaite . . . . . (Mn<sup>2+</sup>, Ca)<sub>6</sub>(V<sup>5+</sup>, As<sup>5+</sup>)Si<sub>5</sub>O<sub>18</sub>(OH)  
*American Mineralogist* 67 (1982), 85
- A Medenbachite . . . . . Bi<sub>2</sub>Fe<sup>3+</sup>(Cu, Fe<sup>2+</sup>)O(AsO<sub>4</sub>)<sub>2</sub>(OH)<sub>3</sub>  
*American Mineralogist* 81 (1996), 505
- D Medmontite . . . . . K, Cu, Al, Si, O, H<sub>2</sub>O  
*American Mineralogist* 54 (1969), 994
- A Megacyclite . . . . . KNa<sub>8</sub>Si<sub>9</sub>O<sub>18</sub>(OH)<sub>9</sub>•19H<sub>2</sub>O  
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* 122 (1993) (1), 125
- A Megakalsilite . . . . . KAlSiO<sub>4</sub>  
*Canadian Mineralogist* 40 (2002), 961
- A Meixnerite . . . . . Mg<sub>6</sub>Al<sub>2</sub>(OH)<sub>18</sub>•4H<sub>2</sub>O  
*Tschermaks Mineralogische und Petrographische Mitteilungen* 22 (1975), 79
- D Melaconite . . . . . CuO  
*Mineralogical Magazine* 43 (1980), 1053
- D Melanglimmer . . . . . K, Fe, Mg, Al, Si, O (?)  
*Canadian Mineralogist* 36 (1998), 905
- A Melanocerite-(Ce) . . . . . (Ce, Ca)<sub>5</sub>(Si, B)<sub>3</sub>O<sub>12</sub>(OH, F)•nH<sub>2</sub>O (?)  
*American Mineralogist* 72 (1987), 1031 (Appendix 2)
- R Melanophlogite . . . . . C<sub>2</sub>H<sub>17</sub>O<sub>5</sub>•Si<sub>46</sub>O<sub>92</sub>  
*Annual Meeting of the Geological Society of America, Program Abstracts* (1962), 145A
- A Melanostibite . . . . . Mn<sup>2+</sup>(Sb<sup>5+</sup>, Fe<sup>3+</sup>)O<sub>3</sub>  
*Mineralogical Magazine* 38 (1971), 103
- A Melkovite . . . . . CaFe<sub>2</sub><sup>3+</sup>Mo<sub>5</sub>O<sub>10</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>12</sub>•8H<sub>2</sub>O  
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 98 (1969), 207
- D Mellcrite . . . . . (Mg, Fe)SiO<sub>3</sub>  
*Mineralogical Magazine* 52 (1988), 535
- D Melnikovite . . . . . Fe<sub>3</sub>S<sub>4</sub>  
*Mineralogical Magazine* 46 (1982), 513
- A Mélonjosephite . . . . . CaFe<sup>2+</sup>Fe<sup>3+</sup>(PO<sub>4</sub>)<sub>2</sub>(OH)  
*Bulletin de la Société Française de Minéralogie et de Cristallographie* 96 (1973), 135
- D Mendelejevite . . . . . (Ca, U)<sub>2</sub>(Ti, Nb, Ta)<sub>2</sub>(O, OH)<sub>7</sub>  
*American Mineralogist* 62 (1977), 403
- D Mendelyevite . . . . . (Ca, U)<sub>2</sub>(Ti, Nb, Ta)<sub>2</sub>(O, OH)<sub>7</sub>  
*American Mineralogist* 62 (1977), 403
- A Mendozavilite . . . . . NaCa<sub>2</sub>Fe<sub>6</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>2</sub>(PMo<sub>11</sub>O<sub>39</sub>)(OH, Cl)<sub>10</sub>•33H<sub>2</sub>O  
*Boletín de Mineralogía (Mexico City)* 2 (1986), 13
- A Menshikovite . . . . . Pd<sub>3</sub>Ni<sub>2</sub>As<sub>3</sub>  
*Mineralogical Magazine* 64 (2000), 847
- A Mereheadite . . . . . Pb<sub>2</sub>O(OH)Cl  
*Mineralogical Magazine* 62 (1998), 387
- A Mereiterite . . . . . K<sub>2</sub>Fe<sup>2+</sup>(SO<sub>4</sub>)<sub>2</sub>•4H<sub>2</sub>O  
*European Journal of Mineralogy* 7 (1995), 559

- A Merenskyite . . . . . (Pd, Pt)(Te, Bi)<sub>2</sub>  
 Mineralogical Magazine 35 (1966), 815
- A Merlinoite . . . . . (K, Na)<sub>5</sub>(Ba, Ca)<sub>2</sub>(Si<sub>23</sub>Al<sub>9</sub>)O<sub>64</sub>•24H<sub>2</sub>O  
 Neues Jahrbuch für Mineralogie, Monatshefte (1977), 355
- D Meróxene . . . . . K(Mg, Fe)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 36 (1998), 905
- A Merrihueite . . . . . (K, Na)<sub>2</sub>(Fe<sup>2+</sup>, Mg)<sub>5</sub>Si<sub>12</sub>O<sub>30</sub>  
 Science 149 (1965), 972
- R Merrillite . . . . . Ca<sub>9</sub>Na(Mg, Fe)(PO<sub>4</sub>)<sub>7</sub>  
 Earth and Planetary Science Letters 35 (1977), 347
- R Mertieite-I . . . . . Pd<sub>5+x</sub>(Sb, As)<sub>2-x</sub> (x = 0.1-0.2)  
 Canadian Mineralogist 13 (1975), 321
- D Mesole . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub>•6H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Mesoline . . . . . K, Na, Ca, Al, Si, O, H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Mesolite . . . . . Na<sub>2</sub>Ca<sub>2</sub>(Si<sub>9</sub>Al<sub>6</sub>)O<sub>30</sub>•8H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Mesolitrine . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub>•6H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Mesotype . . . . . Na, Ca, Al, Si, O, H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Meta-aluminite . . . . . Al<sub>2</sub>SO<sub>4</sub>(OH)<sub>4</sub>•5H<sub>2</sub>O  
 American Mineralogist 53 (1968), 717
- A Meta-ankoleite . . . . . K(UO<sub>2</sub>)(PO<sub>4</sub>)•3H<sub>2</sub>O  
 Bulletin of the Geological Survey of Great Britain 25 (1966), 49
- D Metabiotite . . . . . Si, O (?)  
 Canadian Mineralogist 36 (1998), 905
- A Metaborite . . . . . HBO<sub>2</sub>  
 Mineralogical Magazine 36 (1967), 132
- A Metacalcouranoite . . . . . (Ca, Na, Ba)U<sub>2</sub>O<sub>7</sub>•2H<sub>2</sub>O  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 75
- D Metachabazite . . . . . Ca, Na, K, Al, Si, O, H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Metadelrioite . . . . . SrCa(VO<sub>3</sub>OH)<sub>2</sub>  
 American Mineralogist 55 (1970), 185
- D Metadesmine . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>13</sub>O<sub>36</sub>•nH<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Metaepistilbite . . . . . CaAl<sub>2</sub>Si<sub>6</sub>O<sub>16</sub>•nH<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Metahaiweeite . . . . . Ca(UO<sub>2</sub>)<sub>2</sub>Si<sub>6</sub>O<sub>15</sub>•nH<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 261
- D Metaheulandite . . . . . (Na, Ca)<sub>3</sub>(Si, Al)<sub>18</sub>O<sub>36</sub>•nH<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Metajennite . . . . . Ca, Si, O, H<sub>2</sub>O  
 Mineralogical Magazine 36 (1968), 1144
- A Metaköttigite . . . . . (Zn, Fe)<sub>3</sub>(AsO<sub>4</sub>)<sub>2</sub>•8(H<sub>2</sub>O, OH)  
 Neues Jahrbuch für Mineralogie, Monatshefte (1982), 506
- D Metalaumontite . . . . . CaAl<sub>2</sub>Si<sub>4</sub>O<sub>12</sub>•nH<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- D Metaleonhardite . . . . . CaAl<sub>2</sub>Si<sub>4</sub>O<sub>12</sub>•nH<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571

- D Metaleucite . . . . .  $\text{KAlSi}_2\text{O}_6$   
Canadian Mineralogist 35 (1997), 1571
- D Metaliebigite . . . . .  $\text{Ca, Mg, U}$   
Mineralogical Magazine 38 (1971), 103
- A Meta-lodèveite . . . . .  $\text{Zn}(\text{UO}_2)_2(\text{AsO}_4)_2 \cdot 10\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 95 (1972), 360
- D Metalomonosovite . . . . .  $\text{Na}_2\text{Ti}_2\text{Si}_2\text{O}_9 \cdot (\text{Na, H})_3\text{PO}_4$   
American Mineralogist 48 (1963), 1413
- D Metamesolite . . . . .  $\text{Na}_2\text{Ca}_2\text{Al}_6\text{Si}_9\text{O}_{30} \cdot 8\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Metamunirite . . . . .  $\text{NaV}^{5+}\text{O}_3$   
Mineralogical Magazine 55 (1991), 509
- D Metamurmanite . . . . .  $\text{Na, Mn, Ti, Si, O, OH}$   
Mineralogical Magazine 36 (1967), 133
- R Metanatroautunite . . . . .  $\text{Na}_2(\text{UO}_2)_2(\text{PO}_4)_2 \cdot 6\text{-}8\text{H}_2\text{O}$   
Doklady Akademiia Nauk (in Russian). 338 (1994), 368
- D Metanatrolite . . . . .  $\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10} \cdot n\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Metaschoderite . . . . .  $\text{Al}(\text{PO}_4, \text{VO}_4) \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 261
- D Metascolecite . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot n\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Metasericite . . . . .  $\text{KAl}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Metasimpsonite . . . . .  $(\text{Ca, Na})_2\text{Ta}_2(\text{O, OH, F})_7$   
American Mineralogist 62 (1977), 403
- D Metaskolecit . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot n\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Metaskolezit . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot n\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Metastrengite . . . . .  $\text{Fe}^{3+}\text{PO}_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1053
- A Metastudtite . . . . .  $(\text{UO}_2)\text{O}_2(\text{H}_2\text{O})_2$   
American Mineralogist 68 (1983), 456
- R Metaswitzerite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})_3(\text{PO}_4)_2 \cdot 4\text{H}_2\text{O}$   
American Mineralogist 71 (1986), 1221
- D Metathomsonite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot n\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Metavanmeersscheite . . . . .  $\text{U}(\text{UO}_2)_3(\text{PO}_4)_2(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
Bulletin de Minéralogie 105 (1982), 125
- A Metavanuralite . . . . .  $\text{Al}(\text{UO}_2)_2(\text{VO}_4)_2(\text{OH}) \cdot 8\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 93 (1970), 242
- A Metavariscite . . . . .  $\text{AlPO}_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 135
- A Metavivianite . . . . .  $(\text{Fe}^{2+}, \text{Fe}^{3+})_3(\text{PO}_4)_2(\text{OH})_2 \cdot 6\text{H}_2\text{O}$   
American Mineralogist 59 (1974), 896
- A Metazellerite . . . . .  $\text{Ca}(\text{UO}_2)(\text{CO}_3)_2 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 51 (1966), 1567
- A Meurigite . . . . .  $\text{KFe}_7^{3+}(\text{PO}_4)_5(\text{OH})_7 \cdot 8\text{H}_2\text{O}$   
Mineralogical Magazine 60 (1996), 787

- R Meymacite . . . . .  $\text{WO}_3 \cdot 2\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 88 (1965), 613
- D Mg-illite-hydromica . . . . .  $\text{K, Mg, Al, Si, O, H}_2\text{O}$  (?)  
Canadian Mineralogist 36 (1998), 905
- A Mgriite . . . . .  $(\text{Cu, Fe})_3\text{AsSe}_3$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 215
- R Miassite . . . . .  $\text{Rh}_{17}\text{S}_{15}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 130 (2001) (2), 41
- A Micheelsenite . . . . .  $(\text{Ca, Y})_3\text{Al}(\text{PO}_3\text{OH})\text{CO}_3(\text{OH})_6 \cdot 12\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (2001), 337
- R Michenerite . . . . .  $(\text{Pd, Pt})\text{BiTe}$   
Canadian Mineralogist 11 (1973), 903
- D Microlepidolite . . . . .  $\text{K}(\text{Li, Al})_3(\text{Si, Al})_4\text{O}_{10}(\text{F, OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Microlite . . . . .  $(\text{Ca, Na})_2\text{Ta}_2(\text{O, OH, F})_7$   
American Mineralogist 62 (1977), 403
- A Miharaite . . . . .  $\text{PbCu}_4\text{FeBiS}_6$   
American Mineralogist 65 (1980), 784
- A Mikasaite . . . . .  $(\text{Fe}^{3+}, \text{Al})_2(\text{SO}_4)_3$   
Mineralogical Magazine 58 (1994), 649
- A Minamiite . . . . .  $(\text{Na, Ca, K, } \square)\text{Al}_3(\text{SO}_4)_2(\text{OH})_6$   
American Mineralogist 67 (1982), 114
- A Minasgeraisite-(Y) . . . . .  $\text{CaBe}_2\text{Y}_2\text{Si}_2\text{O}_{10}$   
American Mineralogist 71 (1986), 603
- D Mindingite . . . . .  $\text{CoO}(\text{OH})$   
Mineralogical Magazine 33 (1962), 253
- A Mineevite-(Y) . . . . .  $\text{Na}_{25}\text{Ba}(\text{Y, Gd, Dy})_2(\text{CO}_3)_{11}(\text{HCO}_3)_4(\text{SO}_4)_2\text{F}_2\text{Cl}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (6), 138
- A Minehillite . . . . .  $(\text{K, Na})_{2-3}\text{Ca}_{28}\text{Zn}_5\text{Al}_4\text{Si}_{40}\text{O}_{112}(\text{OH})_{16}$   
American Mineralogist 69 (1984), 1150
- D Minguetite . . . . .  $(\text{K, Ca, Na})(\text{Fe, Mg, Al})_8(\text{Si, Al})_{12}(\text{O, OH})_{36} \cdot n\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 91 (1968), 460
- A Minrecordite . . . . .  $\text{CaZn}(\text{CO}_3)_2$   
Mineralogical Record 13 (1982), 131
- D Miomirite . . . . .  $(\text{Ce, Pb})(\text{Y, U, Fe})(\text{Ti, Fe})_{20}(\text{O, OH})_{38}$   
Mineralogical Magazine 43 (1980), 1055
- D Mirupolskite . . . . .  $\text{Ca}_2(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1055
- D Mispickel . . . . .  $\text{FeAsS}$   
Mineralogical Magazine 43 (1980), 1053
- A Mitryaevaite . . . . .  $\text{Al}_5(\text{PO}_4)_2[(\text{P, S})\text{O}_3(\text{OH, O})]_2\text{F}_2(\text{OH})_2 \cdot 14.5\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1415
- D Miyashiroite . . . . .  $\text{Na}_3(\text{Mg, Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
Mineralogical Magazine 36 (1968), 1144
- D Mizzonite . . . . .  $(\text{Na, Ca})_4(\text{Si, Al})_{12}\text{O}_{24}(\text{Cl, CO}_3)$   
Mineralogical Magazine 51 (1987), 176
- A Moctezumite . . . . .  $\text{Pb}(\text{UO}_2)(\text{Te}^{4+}\text{O}_3)_2$   
American Mineralogist 50 (1965), 1158
- A Moëloite . . . . .  $\text{Pb}_6\text{Sb}_6\text{S}_{17}$   
European Journal of Mineralogy 14 (2002), 599

- A Moganite . . . . .  $\text{SiO}_2 \cdot n\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Abhandlungen 149 (1984), 325
- A Mohite . . . . .  $\text{Cu}_2\text{SnS}_3$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 110
- A Mohrite . . . . .  $(\text{NH}_4)_2\text{Fe}^{2+}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$   
Atti Accademia Nazionale dei Lincei, Rendiconti, Classe di Scienze Fisiche,  
Matematiche, e Naturali 36 (1964), 524
- D Mohsite . . . . .  $(\text{Sr, Pb, La, Ce})\text{Ti}_{12}(\text{Fe, Ti, Mn})_9\text{O}_{38}$   
Canadian Mineralogist 17 (1979), 635
- R Molybdite . . . . .  $\text{MoO}_3$   
American Mineralogist 49 (1964), 1497
- A Molybdoformacite . . . . .  $\text{CuPb}_2(\text{Mo, Cr})\text{O}_4(\text{As, P})\text{O}_4(\text{OH})$   
Neues Jahrbuch für Mineralogie, Monatshefte (1983), 289
- A Monazite-(Ce) . . . . .  $(\text{Ce, La, Nd, Th})\text{PO}_4$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Monazite-(La) . . . . .  $(\text{La, Ce, Nd})\text{PO}_4$   
American Mineralogist 51 (1966), 152
- A Monazite-(Nd) . . . . .  $(\text{Nd, La, Ce})\text{PO}_4$   
Schweizerische Mineralogische und Petrographische Mitteilungen 67 (1987), 103
- A Monazite-(Sm) . . . . .  $(\text{Sm, Gd, Ce, Th, Ca})\text{PO}_4$   
Mitteilungen, Österreichische Mineralogische Gesellschaft 146 (2001), 189
- A Moncheite . . . . .  $(\text{Pt, Pd})(\text{Te, Bi})_2$   
Mineralogical Magazine 36 (1967), 132
- D Mondradite . . . . .  $\text{Ca, Mg, Fe, Si, O}$   
Mineralogical Magazine 52 (1988), 535
- A Mongolite . . . . .  $\text{Ca}_4\text{Nb}_6\text{Si}_5\text{O}_{24}(\text{OH})_{10} \cdot 6\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 374
- D Monophane . . . . .  $(\text{Ca, Na})_{3.4}(\text{Al}_6\text{Si}_{18})\text{O}_{48} \cdot \approx 16\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Monrepite . . . . .  $\text{K}(\text{Fe}^{2+}, \text{Mg, Fe}^{3+})_3(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Montasite . . . . .  $\text{Ca, Mg, Si, O, OH}$   
Canadian Mineralogist 35 (1997), 219
- R Montdorite . . . . .  $\text{K}(\text{Fe}^{2+}, \text{Mn}^{2+}, \text{Mg})_{2.5}\text{Si}_4\text{O}_{10}(\text{OH, F})_2$   
Canadian Mineralogist 36 (1998), 905
- A Montegianite-(Y) . . . . .  $\text{KNa}_2\text{YSi}_8\text{O}_{19} \cdot 5\text{H}_2\text{O}$   
Canadian Mineralogist 16 (1978), 561
- A Montesommaite . . . . .  $(\text{K, Na})_9(\text{Si}_{23}\text{Al}_9)\text{O}_{64} \cdot 10\text{H}_2\text{O}$   
American Mineralogist 75 (1990), 1415
- A Montroyalite . . . . .  $\text{Sr}_4\text{Al}_8(\text{CO}_3)_3(\text{OH, F})_{26} \cdot 10\text{H}_2\text{O}$   
Canadian Mineralogist 24 (1986), 455
- A Mooihoekite . . . . .  $\text{Cu}_9\text{Fe}_9\text{S}_{16}$   
American Mineralogist 57 (1972), 689
- A Moolooite . . . . .  $\text{CuC}_2\text{O}_4 \cdot n\text{H}_2\text{O}$   
Mineralogical Magazine 50 (1986), 295
- D Mooraboolite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Moorhouseite . . . . .  $(\text{Co, Ni, Mn})\text{SO}_4 \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 8 (1965), 166
- A Mopungite . . . . .  $\text{NaSb}^{5+}(\text{OH})_6$   
Mineralogical Record 16 (1985), 73



- A Mordenite . . . . . (K, Ca, Na)<sub>6</sub>(Al<sub>9</sub>Si<sub>39</sub>)O<sub>96</sub> • 29H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Moreauite . . . . . Al<sub>3</sub>(UO<sub>2</sub>)(PO<sub>4</sub>)<sub>3</sub>(OH)<sub>2</sub> • 13H<sub>2</sub>O  
Bulletin de Minéralogie 108 (1985), 9
- A Morelandite . . . . . (Ba, Ca, Pb)<sub>5</sub>(AsO<sub>4</sub>, PO<sub>4</sub>)<sub>3</sub>Cl  
Canadian Mineralogist 16 (1978), 601
- A Morimotoite . . . . . Ca<sub>3</sub>(Ti, Fe<sup>2+</sup>, Fe<sup>3+</sup>)<sub>2</sub>(Si, Fe<sup>3+</sup>)<sub>3</sub>O<sub>12</sub>  
Mineralogical Magazine 59 (1995), 115
- A Morinite . . . . . NaCa<sub>2</sub>Al<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)F<sub>4</sub> • 2H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 134
- A Morozeviczite . . . . . Pb<sub>3</sub>Ge<sub>1-x</sub>S<sub>4</sub>  
Rudy i Metally 20 (1975), 288
- D Morvenite . . . . . (Ba, K)<sub>2</sub>(Si, Al)<sub>8</sub>O<sub>16</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Moschelite . . . . . HgI  
Neues Jahrbuch für Mineralogie, Monatshefte (1989), 524
- A Moskvinit-(Y) . . . . . Na<sub>2</sub>K(Y, REE)Si<sub>6</sub>O<sub>15</sub>  
Canadian Mineralogist 41 (2003), 513
- D Mossite . . . . . Fe<sub>2</sub>(Nb, Ta)<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 43 (1979), 553
- A Mottanaite-(Ce) . . . . . Ca<sub>4</sub>(Ca, Ce)<sub>2</sub>AlBe<sub>2</sub>O<sub>2</sub>Si<sub>4</sub>B<sub>4</sub>O<sub>22</sub>  
American Mineralogist 87 (2002), 739
- A Motukoreaite . . . . . [Mg<sub>6</sub>Al<sub>3</sub>(OH)<sub>18</sub>][Na<sub>0.6</sub>(SO<sub>4</sub>, CO<sub>3</sub>)<sub>2</sub> • 12H<sub>2</sub>O]  
Mineralogical Magazine 41 (1977), 389
- A Mounanaite . . . . . PbFe<sub>2</sub><sup>3+</sup>(VO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>  
Bulletin de la Société Française de Minéralogie et de Cristallographie 92 (1969), 196
- D Mountain wood . . . . . Ca, Mg, Si, O  
American Mineralogist 63 (1978), 1023
- A Mountkeithite . . . . . (Mg, Ni)<sub>11</sub>(Fe<sup>3+</sup>, Cr, Al)<sub>3</sub>(SO<sub>4</sub>, CO<sub>3</sub>)<sub>3.5</sub>(OH)<sub>24</sub> • 11H<sub>2</sub>O  
Mineralogical Magazine 44 (1981), 345
- A Mourite . . . . . UO<sub>2</sub>Mo<sub>5</sub><sup>6+</sup>O<sub>16</sub> • 5H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 132
- A Moydite-(Y) . . . . . YB(OH)<sub>4</sub>CO<sub>3</sub>  
Canadian Mineralogist 24 (1986), 665
- D Mozambikite . . . . . Th, Si, OH  
Mineralogical Magazine 33 (1962), 261
- A Mozartite . . . . . CaMn<sup>3+</sup>SiO<sub>4</sub>(OH)  
Canadian Mineralogist 31 (1993), 331
- A Mozgovaite . . . . . PbBi<sub>4</sub>(S, Se)<sub>7</sub>  
Canadian Mineralogist 37 (1999), 1499
- A Mpororoite . . . . . (Al, Fe)<sub>2</sub>O(WO<sub>4</sub>)<sub>2</sub> • 6H<sub>2</sub>O  
Geological Society of Finland, Bulletin 44 (1972), 107
- A Mrázekite . . . . . Bi<sub>2</sub>Cu<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>O<sub>2</sub>(OH)<sub>2</sub> • 2H<sub>2</sub>O  
Canadian Mineralogist 30 (1992), 215
- D Mrazekite (of Neacsu) . . . . . Na, Ca, Mg, Al, Si, O, H<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 1055
- A Mroseite . . . . . CaTe<sup>4+</sup>O<sub>2</sub>(CO<sub>3</sub>)  
Canadian Mineralogist 13 (1975), 286
- A Mückeite . . . . . CuNiBiS<sub>3</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1989), 193
- A Muirite . . . . . Ba<sub>10</sub>Ca<sub>2</sub>Mn<sup>2+</sup>TiSi<sub>10</sub>O<sub>30</sub>(OH, Cl, F)<sub>10</sub>

- American Mineralogist 50 (1965), 314
- A Mukhinite . . . . .  $\text{Ca}_2\text{Al}_2\text{V}^{3+}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{O}, \text{OH})_2$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 185 (1969), 123
- D Mumbite . . . . .  $(\text{Pb}, \text{Ca}, \text{U})_2\text{Ta}_2\text{O}_6(\text{OH})$   
American Mineralogist 62 (1977), 403
- A Mummeite . . . . .  $\text{Ag}_{2.8}\text{Cu}_{0.7}\text{Pb}_{1.3}\text{Bi}_{6.5}\text{S}_{13}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1992), 555
- A Mundite . . . . .  $\text{Al}(\text{UO}_2)_3(\text{PO}_4)_2(\text{OH})_3 \cdot 5.5\text{H}_2\text{O}$   
Bulletin de Minéralogie 104 (1981), 669
- A Mundrabiliaite . . . . .  $(\text{NH}_4)_2\text{Ca}(\text{PO}_3\text{OH})_2 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 47 (1983), 80
- A Munirite . . . . .  $\text{NaV}^{5+}\text{O}_3 \cdot 1.9\text{H}_2\text{O}$   
Mineralogical Magazine 47 (1983), 391
- D Munkforsite . . . . .  $(\text{Ca}, \text{Mn})_5(\text{PO}_4)_2(\text{Cl}, \text{F})$   
Arkiv för Mineralogi och Geologi 3 (1963), 413
- D Munkrudite . . . . .  $\text{Al}_2\text{SiO}_5$   
Arkiv för Mineralogi och Geologi 3 (1963), 413
- A Murataite-(Y) . . . . .  $(\text{Y}, \text{Na})_6\text{Zn}(\text{Zn}, \text{Fe}^{3+})_4(\text{Ti}, \text{Nb}, \text{Na})_{12}\text{O}_{29}(\text{O}, \text{F}, \text{OH})_{10}\text{F}_4$   
American Mineralogist 59 (1974), 172
- D Murgocite . . . . .  $\text{Ca}, \text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1055
- A Murunskite . . . . .  $\text{K}_2(\text{Cu}, \text{Fe})_4\text{S}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 468
- A Muscovite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH}, \text{F})_2$   
Canadian Mineralogist 36 (1998), 905
- D Musgravite . . . . .  $(\text{Mg}, \text{Fe}^{2+})_2\text{Al}_6\text{BeO}_{12}$   
Mineralogical Magazine 36 (1967), 306
- A Mushistonite . . . . .  $(\text{Cu}, \text{Zn}, \text{Fe}^{2+})\text{Sn}^{4+}(\text{OH})_6$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 612
- A Muskoxite . . . . .  $\text{Mg}_7\text{Fe}_4^{3+}(\text{OH})_{26} \cdot \text{H}_2\text{O} (?)$   
American Mineralogist 54 (1969), 684
- D Mussite . . . . .  $\text{CaMg}(\text{SiO}_3)_2$   
Mineralogical Magazine 52 (1988), 535
- A Mutinaite . . . . .  $\text{Na}_3\text{Ca}_4\text{Al}_{11}\text{Si}_{85}\text{O}_{192} \cdot 60\text{H}_2\text{O}$   
Zeolites 19 (1997), 318
- A Nabaphite . . . . .  $\text{NaBaPO}_4 \cdot 9\text{H}_2\text{O}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 266 (1982), 127
- A Nabesite . . . . .  $\text{Na}_2\text{BeSi}_4\text{O}_{10} \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 40 (2002), 173
- A Nabiasite . . . . .  $\text{BaMn}_9[(\text{V}, \text{As})\text{O}_4]_6(\text{OH})_2$   
European Journal of Mineralogy 11 (1999), 879
- A Nabokoite . . . . .  $\text{Cu}_7\text{Te}^{4+}\text{O}_4(\text{SO}_4)_5 \cdot \text{KCl}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 116 (1987), 358
- A Nacaphite . . . . .  $\text{Na}_2\text{Ca}(\text{PO}_4)\text{F}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 50
- A Nacareniobsite-(Ce) . . . . .  $\text{Na}_3\text{Ca}_3(\text{Ce}, \text{La})\text{Nb}(\text{Si}_2\text{O}_7)_2\text{OF}_3$   
Neues Jahrbuch für Mineralogie, Monatshefte (1989), 84
- D Nacrite (of Thomson) . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Nafertisite . . . . .  $(\text{Na}, \text{K})_3(\text{Fe}^{2+}, \text{Fe}^{3+}, \text{Mg})_6\text{Ti}_2(\text{Si}, \text{Fe}^{3+})_{12}\text{O}_{30}(\text{OH}, \text{O})_{11} \cdot 2\text{H}_2\text{O}$

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(1994), 117

- A Nagashimalite . . . . .  $Ba_4(V^{3+}, Ti)_4(O, OH)_2[B_2Si_8O_{27}]Cl$   
Mineralogical Journal (Tokyo) 10 (1980), 122
- A Nahpoite . . . . .  $Na_2(PO_3OH)$   
Canadian Mineralogist 19 (1981), 373
- D Nakaséite . . . . .  $Ag_3CuPb_4Sb_{12}S_{24}$   
Mineralogical Magazine 33 (1962), 261
- A Nakauriite . . . . .  $Cu_8(SO_4)_4(CO_3)(OH)_6 \cdot 48H_2O$   
Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists 71 (1976), 183
- A Nalipoite . . . . .  $NaLi_2PO_4$   
Canadian Mineralogist 29 (1991), 565
- A Namansilite . . . . .  $Na(Mn^{3+}, Fe^{3+})Si_2O_6$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (1), 89
- D Namaqualite . . . . .  $Cu_4Al_2SO_4(OH)_{12} \cdot 2H_2O$   
Mineralogical Magazine 32 (1961), 737
- A Nambulite . . . . .  $(Li, Na)Mn_4^{2+}Si_5O_{14}(OH)$   
Mineralogical Journal (Tokyo) 7 (1972), 29
- A Namibite . . . . .  $Cu(BiO)_2VO_4(OH)$   
Schweizerische Mineralogische und Petrographische Mitteilungen 61 (1981), 7
- A Namuwite . . . . .  $(Zn, Cu)_4SO_4(OH)_6 \cdot 4H_2O$   
Mineralogical Magazine 46 (1982), 51
- A Nanpingite . . . . .  $CsAl_2(Si, Al)_4O_{10}(OH, F)_2$   
Acta Petrologica et Mineralogica (in Chinese); = Yanshi Kuangwuxue Zashi 7 (1988), 49
- A Narsarsukite . . . . .  $Na_2(Ti, Fe, Zr)Si_4(O, F)_{11}$   
Mineralogical Magazine 36 (1967), 134
- A Nasinite . . . . .  $Na_2B_5O_8(OH) \cdot 2H_2O$   
Mineralogical Magazine 36 (1967), 132
- A Nastrophite . . . . .  $Na(Sr, Ba)PO_4 \cdot 9H_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 604
- A Natalyite . . . . .  $Na(V^{3+}, Cr)Si_2O_6$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 630
- A Natanite . . . . .  $Fe^{2+}Sn^{4+}(OH)_6$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 492
- A Natisite . . . . .  $Na_2TiO(SiO_4)$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 314
- A Natrite . . . . .  $Na_2CO_3$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 220
- D Natrium illite . . . . .  $(Na, H_3O)(Al, Mg, Fe)_2(Si, Al)_4O_{10}(OH)_2$   
Canadian Mineralogist 36 (1998), 905
- D Natro-alumobiotite . . . . .  $(K, Na)(Mg, Fe)_3(Si, Al)_4O_{10}(OH)_2$   
Canadian Mineralogist 36 (1998), 905
- R Natroalunite . . . . .  $NaAl_3(SO_4)_2(OH)_6$   
American Mineralogist 72 (1987), 178
- A Natroapophyllite . . . . .  $NaCa_4Si_8O_{20}F \cdot 8H_2O$   
American Mineralogist 66 (1981), 410
- D Natroautunite . . . . .  $Na(UO_2)(PO_4) \cdot 5 \cdot 8H_2O$   
Doklady Akademiia Nauk (in Russian). 338 (1994), 368
- A Natrobistantite . . . . .  $(Na, Cs)Bi(Ta, Nb, Sb)_4(O, OH)_{12}$   
Mineralogicheskii Zhurnal 5 (1983) (2), 82

- D Natrochabazite . . . . .  $\text{Na}_4(\text{Al}_4\text{Si}_8)\text{O}_{24} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Natrodufrénite . . . . .  $\text{NaFe}^{2+}\text{Fe}_3^{3+}(\text{PO}_4)_4(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
Bulletin de Minéralogie 105 (1982), 321
- D Natro-ferrophlogopite . . . . .  $(\text{K}, \text{Na})(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Natroglaucocerinite . . . . .  $\text{Zn}_{8-x}\text{Al}_x(\text{OH})_{16}(\text{SO}_4)_{x/2+y/2}\text{Na}_y(\text{H}_2\text{O})_6$   
Zeitschrift für Kristallographie Suppl. Issue 9 (1995), 252
- R Natrojarosite . . . . .  $\text{NaFe}_3^{3+}(\text{SO}_4)_2(\text{OH})_6$   
American Mineralogist 72 (1987), 178
- A Natroleymoynite . . . . .  $\text{Na}_3\text{Zr}_2\text{Si}_{10}\text{O}_{26} \cdot 9\text{H}_2\text{O}$   
Canadian Mineralogist 39 (2001), 1295
- A Natrolite . . . . .  $\text{Na}_2(\text{Si}_3\text{Al}_2)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Natron . . . . .  $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 135
- A Natronambulite . . . . .  $(\text{Na}, \text{Li})\text{Mn}_4^{2+}\text{Si}_5\text{O}_{14}(\text{OH})$   
Mineralogical Journal (Tokyo) 12 (1985), 332
- D Natronbiotite . . . . .  $(\text{K}, \text{Na})(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Natron-chabasit . . . . .  $\text{Na}_4(\text{Al}_4\text{Si}_8)\text{O}_{24} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Natronchabazit . . . . .  $\text{Na}_4(\text{Al}_4\text{Si}_8)\text{O}_{24} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Natrongrammatit . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Natronite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Natronmargarite . . . . .  $\text{Na}, \text{Li}, \text{Ca}, \text{Al}, \text{Si}, \text{O}$   
Canadian Mineralogist 36 (1998), 905
- D Natronphlogopite . . . . .  $(\text{K}, \text{Na})(\text{Mg}, \text{Fe})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Natronrichterite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe}, \text{Mn})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Natrophosphate . . . . .  $\text{Na}_7(\text{PO}_4)_2(\text{F}, \text{OH}) \cdot 19\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 101 (1972), 80
- A Natosilite . . . . .  $\text{Na}_2\text{Si}_2\text{O}_5$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 317
- A Natrotantite . . . . .  $\text{Na}_2\text{Ta}_4\text{O}_{11}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 338
- A Natroxalate . . . . .  $\text{Na}_2\text{C}_2\text{O}_4$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 125 (1996) (1), 126
- D Naurodite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{OH}$   
American Mineralogist 63 (1978), 1023
- A Nchwaningite . . . . .  $\text{Mn}_2\text{SiO}_3(\text{OH})_2 \cdot \text{H}_2\text{O}$   
American Mineralogist 80 (1995), 377
- A Nealite . . . . .  $\text{Pb}_4\text{Fe}(\text{AsO}_3)_2\text{Cl}_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Record 11 (1980), 299
- D Needle stone . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Needle zeolite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571

- A Nefedovite . . . . .  $\text{Na}_5\text{Ca}_4(\text{PO}_4)_4\text{F}$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 112 (1983), 479
- A Neighborite . . . . .  $\text{NaMgF}_3$   
*Mineralogical Magazine* 36 (1967), 132
- A Nekrasovite . . . . .  $\text{Cu}_{13}\text{VSn}_3\text{S}_{16}$   
*Mineralogicheskii Zhurnal* 6 (1984) (2), 88
- A Nelenite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})_{16}\text{As}_3^+\text{Si}_{12}\text{O}_{36}(\text{OH})_{17}$   
*Mineralogical Magazine* 48 (1984), 271
- A Neltnerite . . . . .  $\text{CaMn}_6^{3+}\text{O}_8(\text{SiO}_4)$   
*Bulletin de Minéralogie* 105 (1982), 161
- D Nenadkevite . . . . .  $\text{U}(\text{SiO}_4)_{1-x}(\text{OH})_x$   
*American Mineralogist* 62 (1977), 1261
- D Neodigenite . . . . .  $\text{Cu}_{1.8}\text{S}$   
*Mineralogical Magazine* 33 (1962), 262
- D Neodymite . . . . .  $(\text{La}, \text{Ce})_2(\text{CO}_3)_3 \cdot 8\text{H}_2\text{O}$   
*Mineralogical Magazine* 63 (1999), 761
- D Neotantalite . . . . .  $(\text{Ca}, \text{Na})_2\text{Ta}_2(\text{O}, \text{OH}, \text{F})_7$   
*American Mineralogist* 62 (1977), 403
- D Nephrite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* 63 (1978), 1023
- A Nepskoeite . . . . .  $\text{Mg}_4\text{Cl}(\text{OH})_7 \cdot 6\text{H}_2\text{O}$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* 127 (1998) (1), 41
- A Neskevaarite-Fe . . . . .  $\text{NaK}_3\text{Fe}(\text{Ti}, \text{Nb})_4(\text{Si}_4\text{O}_{12})_2(\text{O}, \text{OH})_4 \cdot 6\text{H}_2\text{O}$   
*New Data on Minerals* 38 (2003), 9
- A Neustädtelite . . . . .  $\text{Bi}_2\text{Fe}^{3+}(\text{Fe}^{3+}, \text{Co})_2(\text{O}, \text{OH})_4(\text{AsO}_4)_2$   
*Mitteilungen, Österreichische Mineralogische Gesellschaft* 146 (2001), 157
- A Nevskite . . . . .  $\text{Bi}(\text{Se}, \text{S})$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 113 (1984), 351
- A Neyite . . . . .  $\text{Ag}_2\text{Cu}_6\text{Pb}_{25}\text{Bi}_{26}\text{S}_{68}$   
*Canadian Mineralogist* 10 (1969), 90
- A Nežilovite . . . . .  $\text{PbZn}_2(\text{Mn}^{4+}, \text{Ti}^{4+})_2\text{Fe}_8^{3+}\text{O}_{19}$   
*Canadian Mineralogist* 34 (1996), 1287
- A Niahite . . . . .  $(\text{NH}_4)(\text{Mn}^{2+}, \text{Mg}, \text{Ca})\text{PO}_4 \cdot \text{H}_2\text{O}$   
*Mineralogical Magazine* 47 (1983), 79
- D Niccolite . . . . .  $\text{NiAs}$   
*Mineralogical Magazine* 43 (1980), 1053
- A Nickel . . . . .  $\text{Ni}$   
*Neues Jahrbuch für Mineralogie, Abhandlungen* 107 (1967), 241
- A Nickelaustinite . . . . .  $\text{Ca}(\text{Ni}, \text{Zn})\text{AsO}_4(\text{OH})$   
*Canadian Mineralogist* 25 (1987), 401
- A Nickelbischofite . . . . .  $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$   
*Canadian Mineralogist* 17 (1979), 107
- A Nickelblödite . . . . .  $\text{Na}_2(\text{Ni}, \text{Mg})(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$   
*Mineralogical Magazine* 41 (1977), 37
- A Nickelboussingaultite . . . . .  $(\text{NH}_4)_2(\text{Ni}, \text{Mg})(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 105 (1976), 710
- D Nickelemelane . . . . .  $\text{Ni}, \text{Mn}, \text{O}$   
*Mineralogical Magazine* 33 (1962), 261
- A Nickelhexahydrite . . . . .  $(\text{Ni}, \text{Mg}, \text{Fe})\text{SO}_4 \cdot 6\text{H}_2\text{O}$   
*Mineralogical Magazine* 36 (1968), 1144
- A Nickeline . . . . .  $\text{NiAs}$   
*Mineralogical Magazine* 36 (1967), 135

- D Nickelite . . . . . NiAs  
 Mineralogical Magazine 43 (1980), 1053
- A Nickellotharmeyerite . . . . .  $\text{Ca}(\text{Ni}, \text{Fe})_2(\text{AsO}_4)_2(\text{H}_2\text{O}, \text{OH})_2$   
 Neues Jahrbuch für Mineralogie, Monatshefte (2001), 558
- D Nickel phlogopite . . . . .  $\text{K}(\text{Mg}, \text{Ni})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Nickelphosphide . . . . .  $(\text{Ni}, \text{Fe})_3\text{P}$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 128 (1999) (3), 64
- A Nickelschneebergite . . . . .  $\text{Bi}(\text{Ni}, \text{Co})_2(\text{AsO}_4)_2(\text{OH}, \text{H}_2\text{O})_2$   
 European Journal of Mineralogy 14 (2002), 115
- A Nickel-zippeite . . . . .  $\text{Ni}(\text{UO}_2)_2(\text{SO}_4)\text{O}_2 \cdot 3.5\text{H}_2\text{O}$   
 Canadian Mineralogist 14 (1976), 429
- A Nickenichite . . . . .  $(\text{Na}, \text{Ca}, \text{Cu})_{1.6}(\text{Mg}, \text{Fe}^{3+}, \text{Al})_3(\text{AsO}_4)_3$   
 Mineralogy and Petrology 48 (1993), 153
- A Niedermayrite . . . . .  $\text{Cu}_4\text{Cd}(\text{SO}_4)_2(\text{OH})_6 \cdot 4\text{H}_2\text{O}$   
 Mineralogy and Petrology 63 (1998), 19
- A Nierite . . . . .  $\text{Si}_3\text{N}_4$   
 Meteoritics 30 (1995), 387
- A Nifontovite . . . . .  $\text{Ca}_3[\text{BO}(\text{OH})_2]_6 \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 132
- A Niigataite . . . . .  $\text{CaSrAl}_3\text{O}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})$   
 Journal of Mineralogical and Petrological Sciences (formerly Mineralogical  
 Journal) 98 (2003), 118
- A Nikischerite . . . . .  $\text{NaFe}_6^{2+}\text{Al}_3(\text{SO}_4)_2(\text{OH})_{18}(\text{H}_2\text{O})_{12}$   
 Mineralogical Record 34 (2003), 155
- A Nimite . . . . .  $(\text{Ni}, \text{Mg})_6(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_8$   
 Mineralogical Magazine 38 (1971), 103
- A Ningyoite . . . . .  $(\text{U}, \text{Ca}, \text{Ce})_2(\text{PO}_4)_2 \cdot 1-2\text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 260
- A Niningerite . . . . .  $(\text{Mg}, \text{Fe}, \text{Mn})\text{S}$   
 Science 155 (1967), 451
- A Niobo-aeschynite-(Ce) . . . . .  $(\text{Ce}, \text{Ca})(\text{Nb}, \text{Ti})_2(\text{O}, \text{OH})_6$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Niobocarbide . . . . .  $(\text{Nb}, \text{Ta})\text{C}$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 126 (1997) (1), 76
- A Niobokupletskite . . . . .  $\text{K}_2\text{Na}(\text{Mn}, \text{Zn}, \text{Fe})_7(\text{Nb}, \text{Zr}, \text{Ti})_2\text{Si}_8\text{O}_{26}(\text{OH}, \text{O}, \text{F})_5$   
 Canadian Mineralogist 38 (2000), 627
- D Nioboloparite . . . . .  $(\text{Na}, \text{Ce})(\text{Ti}, \text{Nb})\text{O}_3$   
 Canadian Mineralogist 34 (1996), 991
- A Niobophyllite . . . . .  $\text{K}_2\text{Na}(\text{Fe}^{2+}, \text{Mn})_7(\text{Nb}, \text{Ti})_2\text{Si}_8\text{O}_{26}(\text{OH})_4(\text{F}, \text{O})$   
 Canadian Mineralogist 8 (1964), 40
- D Niobopyrochlore . . . . .  $(\text{Ca}, \text{Na})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$   
 American Mineralogist 62 (1977), 403
- D Niobozirconolite . . . . .  $(\text{Ti}, \text{Ca}, \text{Zr}, \text{Nb})\text{O}_2$   
 American Mineralogist 62 (1977), 403
- D Niobtantalpyrochlore . . . . .  $(\text{Ca}, \text{Na})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$   
 American Mineralogist 62 (1977), 403
- A Nisbite . . . . .  $\text{NiSb}_2$   
 Canadian Mineralogist 10 (1970), 232
- A Nissonite . . . . .  $\text{Cu}_2\text{Mg}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 5\text{H}_2\text{O}$   
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 145

- A Nitratine . . . . . NaNO<sub>3</sub>  
 Mineralogical Magazine 43 (1980), 1053
- D Nitroglauberite . . . . . Na<sub>3</sub>(NO<sub>3</sub>)(SO<sub>4</sub>)•H<sub>2</sub>O  
 American Mineralogist 55 (1970), 776
- A Nobleite . . . . . CaB<sub>6</sub>O<sub>9</sub>(OH)<sub>2</sub>•3H<sub>2</sub>O  
 Mineralogical Magazine 36 (1967), 132
- A Noélbensonite . . . . . BaMn<sub>2</sub><sup>3+</sup>Si<sub>2</sub>O<sub>7</sub>(OH)<sub>2</sub>•H<sub>2</sub>O  
 Mineralogical Magazine 60 (1996), 369
- A Nontronite . . . . . Na<sub>0.3</sub>Fe<sub>2</sub><sup>3+</sup>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>•nH<sub>2</sub>O  
 Mineralogical Magazine 33 (1962), 262
- D Noonkanbahite . . . . . NaKBaTi<sub>2</sub>Si<sub>4</sub>O<sub>14</sub>  
 Mineralogical Magazine 36 (1968), 1144
- D Noralite . . . . . Ca<sub>2</sub>(Fe, Mg)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- D Nordenskiöldite . . . . . Ca<sub>2</sub>Mg<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 35 (1997), 219
- A Nordite-(Ce) . . . . . Na<sub>3</sub>(Sr, Ca)(Ce, La)(Zn, Mg)Si<sub>6</sub>O<sub>17</sub>  
 American Mineralogist 51 (1966), 152
- A Nordite-(La) . . . . . Na<sub>3</sub>(Sr, Ca)(La, Ce)(Zn, Mg)Si<sub>6</sub>O<sub>17</sub>  
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Nordstrandite . . . . . Al(OH)<sub>3</sub>  
 Mineralogical Magazine 36 (1967), 132
- A Nordströmite . . . . . Pb<sub>3</sub>CuBi<sub>7</sub>(S, Se)<sub>14</sub>  
 American Mineralogist 65 (1980), 789
- D Normalin . . . . . (K, Na, Ca)<sub>2</sub>(Si, Al)<sub>8</sub>O<sub>16</sub>•6H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Normandite . . . . . NaCa(Mn, Fe)(Ti, Nb, Zr)(Si<sub>2</sub>O<sub>7</sub>)OF  
 Canadian Mineralogist 35 (1997), 1035
- A Norrishite . . . . . KLiMn<sub>2</sub><sup>3+</sup>Si<sub>4</sub>O<sub>12</sub>  
 American Mineralogist 74 (1989), 1360
- A Norsethite . . . . . BaMg(CO<sub>3</sub>)<sub>2</sub>  
 Mineralogical Magazine 33 (1962), 261
- A Novákite . . . . . (Cu, Ag)<sub>21</sub>As<sub>10</sub>  
 Mineralogical Magazine 33 (1962), 261
- A Novgorodovaite . . . . . Ca<sub>2</sub>(C<sub>2</sub>O<sub>4</sub>)Cl<sub>2</sub>•2H<sub>2</sub>O  
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 130 (2001) (4), 32
- A Nowackiite . . . . . Cu<sub>6</sub>Zn<sub>3</sub>As<sub>4</sub>S<sub>12</sub>  
 Mineralogical Magazine 38 (1971), 103
- A Nsutite . . . . . Mn<sub>x</sub><sup>2+</sup>Mn<sub>1-x</sub><sup>4+</sup>(O)<sub>2-2x</sub>(OH)<sub>2x</sub>  
 Mineralogical Magazine 36 (1967), 132
- A Nuffieldite . . . . . Pb<sub>2</sub>Cu<sub>1.4</sub>(Pb, Bi, Sb)<sub>2</sub>S<sub>7</sub>  
 Canadian Mineralogist 9 (1968), 439
- A Nukundamite . . . . . Cu<sub>3.4</sub>Fe<sub>0.6</sub>S<sub>4</sub>  
 Mineralogical Magazine 43 (1979), 193
- A Nullaginite . . . . . Ni<sub>2</sub>CO<sub>3</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 19 (1981), 315
- D Nuolaite . . . . . Y, Nb, O, OH  
 American Mineralogist 62 (1977), 403
- R Nyböite . . . . . Na<sub>3</sub>(Mg, Fe, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 41 (2003), 1355
- A Nyerereite . . . . . Na<sub>2</sub>Ca(CO<sub>3</sub>)<sub>2</sub>

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- A Obertiite . . . . .  $\text{Na}_3(\text{Mg}_3\text{Fe}^{3+}\text{Ti}^{4+})\text{Si}_8\text{O}_{22}\text{O}_2$   
American Mineralogist 85 (2000), 236
- D Oblique mica . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Oboyerite . . . . .  $\text{H}_6\text{Pb}_6(\text{Te}^{4+}\text{O}_3)_3(\text{Te}^{6+}\text{O}_6)_2 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1979), 453
- A Obradovicite . . . . .  $\text{H}_4(\text{K}, \text{Na})\text{CuFe}_2^{3+}(\text{AsO}_4)(\text{MoO}_4)_5 \cdot 12\text{H}_2\text{O}$   
Mineralogical Magazine 50 (1986), 283
- D Obruchevite . . . . .  $(\text{Y}, \text{Na}, \text{Ca})(\text{Nb}, \text{Ta}, \text{Ti})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- D Octahedrite . . . . .  $\text{TiO}_2$   
Mineralogical Magazine 43 (1980), 1053
- A O'Danielite . . . . .  $\text{H}_2\text{Na}(\text{Zn}, \text{Mg})_3(\text{AsO}_4)_3$   
Neues Jahrbuch für Mineralogie, Monatshefte (1981), 155
- D Odenite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Odinit . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Odinite . . . . .  $(\text{Fe}^{3+}, \text{Mg}, \text{Al}, \text{Fe}^{2+})_{2.4}(\text{Si}, \text{Al})_2\text{O}_5(\text{OH})_4$   
Clay Minerals 23 (1988), 237
- A Odintsovite . . . . .  $\text{K}_2(\text{Na}, \text{Li})_4\text{Ca}_3\text{Ti}_2\text{Be}_4\text{Si}_{12}\text{O}_{38}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 124 (1995) (5), 92
- D Odith . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Oellacherite . . . . .  $(\text{K}, \text{Ba})\text{Al}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Oenite . . . . .  $\text{CoSbAs}$   
Canadian Mineralogist 36 (1998), 855
- A Offrétite . . . . .  $(\text{K}, \text{Ca}, \text{Mg})_3(\text{Si}, \text{Al})_{18}\text{O}_{36} \cdot 15\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Ogdensburgite . . . . .  $\text{Ca}_2\text{Fe}_4^{3+}(\text{Zn}, \text{Mn}^{2+})(\text{AsO}_4)_2(\text{OH})_6 \cdot 6\text{H}_2\text{O}$   
Mineralogical Record 12 (1981), 369
- A Ohmilite . . . . .  $\text{Sr}_3(\text{Ti}, \text{Fe}^{3+})(\text{Si}_2\text{O}_6)_2(\text{O}, \text{OH}) \cdot 2\text{H}_2\text{O}$   
Mineralogical Journal (Tokyo) 7 (1973), 298
- A Ojuelaite . . . . .  $\text{ZnFe}_2^{3+}(\text{AsO}_4)_2(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Bulletin de Minéralogie 104 (1981), 582
- A Okanoganite-(Y) . . . . .  $(\text{Na}, \text{Ca})_3(\text{Y}, \text{Ce})_{12}\text{B}_2\text{Si}_6\text{O}_{27}\text{F}_{14}$   
American Mineralogist 65 (1980), 1138
- A Okayamalite . . . . .  $\text{Ca}_2\text{B}_2\text{SiO}_7$   
Mineralogical Magazine 62 (1998), 703
- A Okhotskite . . . . .  $\text{Ca}_2(\text{Mn}, \text{Mg})(\text{Mn}^{3+}, \text{Al}, \text{Fe}^{3+})_2\text{Si}_3(\text{O}, \text{OH})_{14}$   
Mineralogical Magazine 51 (1987), 611
- A Olekminskite . . . . .  $\text{Sr}(\text{Sr}, \text{Ca}, \text{Ba})(\text{CO}_3)_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 120 (1991) (3), 89
- A Olenite . . . . .  $\text{Na}_{0.5}\text{Al}_9(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{O}, \text{OH})_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 115 (1986), 119
- A Olgite . . . . .  $\text{Na}(\text{Sr}, \text{Ba}, \text{Na})_3(\text{PO}_4)_{1.8}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 347
- D Oligiste . . . . .  $\text{Fe}_2\text{O}_3$   
Mineralogical Magazine 33 (1962), 263



- A Olkhonskite . . . . .  $(\text{Cr}, \text{V}^{3+})_2\text{Ti}_3\text{O}_9$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **123 (1994) (4), 98**
- A Olmsteadite . . . . .  $\text{KFe}_2^{2+}(\text{Nb}, \text{Ta})\text{O}_2(\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$   
American Mineralogist **61 (1976), 5**
- D Olovotantalite . . . . .  $\text{Mn}(\text{Ta}, \text{Sn})_2\text{O}_6$   
Mineralogical Magazine **36 (1967), 133**
- A Olsacherite . . . . .  $\text{Pb}_2(\text{Se}^{6+}\text{O}_4)(\text{SO}_4)$   
American Mineralogist **54 (1969), 1519**
- A Olshanskyite . . . . .  $\text{Ca}_3[\text{B}_3\text{O}_3(\text{OH})_6]\text{OH} \cdot 3\text{H}_2\text{O}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections **184 (1969), 127**
- A Olympite . . . . .  $\text{LiNa}_5(\text{PO}_4)_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **109 (1980), 476**
- A Ominelite . . . . .  $(\text{Fe}^{2+}, \text{Mg})\text{Al}_3\text{O}_2(\text{BO}_3)\text{SiO}_4$   
American Mineralogist **87 (2001), 160**
- A Omphacite . . . . .  $(\text{Ca}, \text{Na})(\text{Mg}, \text{Fe}, \text{Al})\text{Si}_2\text{O}_6$   
Mineralogical Magazine **52 (1988), 535**
- D Oncophyllite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Oncosine . . . . .  $\text{K}, \text{Mg}, \text{Al}, \text{Si}, \text{O}$   
Canadian Mineralogist **36 (1998), 905**
- D Ondřejite . . . . .  $\text{Mg}, \text{Ca}, \text{CO}_3, \text{H}_2\text{O}$   
American Mineralogist **49 (1964), 1502**
- A Oneillite . . . . .  $\text{Na}_{15}\text{Ca}_3\text{Mn}_3\text{Fe}_3\text{Zr}_3\text{Nb}(\text{Si}_{25}\text{O}_{73})(\text{O}, \text{OH}, \text{H}_2\text{O})_3(\text{OH}, \text{Cl})_2$   
Canadian Mineralogist **37 (1999), 1295**
- D Onkophyllit . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Onkosin . . . . .  $\text{K}, \text{Mg}, \text{Al}, \text{Si}, \text{O}$   
Canadian Mineralogist **36 (1998), 905**
- D Onkosine . . . . .  $\text{K}, \text{Mg}, \text{Al}, \text{Si}, \text{O}$   
Canadian Mineralogist **36 (1998), 905**
- A Onoratoite . . . . .  $\text{Sb}_8\text{O}_{11}\text{Cl}_2$   
Mineralogical Magazine **36 (1968), 1037**
- A Oosterboschite . . . . .  $(\text{Pd}, \text{Cu})_7\text{Se}_5$   
Bulletin de la Société Française de Minéralogie et de Cristallographie **93 (1970), 476**
- D Opsimose . . . . .  $(\text{Mn}, \text{Fe}, \text{Mg})\text{SiO}_3 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine **42 (1978), 279**
- A Orcelite . . . . .  $\text{Ni}_{5-x}\text{As}_2$  ( $x = 0.23$ )  
Mineralogical Magazine **33 (1962), 261**
- A Örebroite . . . . .  $\text{Mn}_6^{2+}(\text{Fe}^{3+}, \text{Sb}^{5+})_2(\text{SiO}_4)_2(\text{O}, \text{OH})_6$   
American Mineralogist **71 (1986), 1522**
- A Oregonite . . . . .  $\text{FeNi}_2\text{As}_2$   
Mineralogical Magazine **33 (1962), 261**
- A Organovaite-Mn . . . . .  $\text{K}_8\text{Mn}_4\text{Nb}_{16}(\text{Si}_4\text{O}_{12})_8\text{O}_{16} \cdot 20\text{-}28\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **130 (2001) (2), 46**
- A Organovaite-Zn . . . . .  $\text{K}_2\text{Zn}(\text{Nb}, \text{Ti})_4(\text{Si}_4\text{O}_{12})_2(\text{O}, \text{OH})_4 \cdot 6\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **131 (2002) (1), 29**
- A Orickite . . . . .  $\text{CuFeS}_2 \cdot n\text{H}_2\text{O}$   
American Mineralogist **68 (1983), 245**
- D Orizite . . . . .  $(\text{Ca}, \text{Na})_{3.4}(\text{Al}_6\text{Si}_{18})\text{O}_{48} \cdot \approx 16\text{H}_2\text{O}$   
American Mineralogist **57 (1972), 592**

- A Orlandiite . . . . .  $\text{Pb}_3\text{Cl}_4(\text{Se}^{4+}\text{O}_3) \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 37 (1999), 1493
- A Orlymanite . . . . .  $\text{Ca}_4\text{Mn}_3^{2+}\text{Si}_8\text{O}_{20}(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
American Mineralogist 75 (1990), 923
- D Orniblenite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Orpheite . . . . .  $\text{H}_6\text{Pb}_{10}\text{Al}_{20}(\text{PO}_4)_{12}(\text{SO}_4)_5(\text{OH})_{40} \cdot 11\text{H}_2\text{O} (?)$   
Annuaire Université de Sofia, Faculté de Biologie, Géologie et Géographie 64  
(1971-72), 107
- A Orschallite . . . . .  $\text{Ca}_3(\text{S}^{4+}\text{O}_3)_2\text{SO}_4 \cdot 12\text{H}_2\text{O}$   
Mineralogy and Petrology 48 (1993), 167
- D Orthite . . . . .  $(\text{Ce}, \text{Ca}, \text{Y})_2(\text{Al}, \text{Fe}^{3+})_3(\text{SiO}_4)_3\text{OH}$   
American Mineralogist 72 (1987), 1031
- D Ortho-armalcolite . . . . .  $(\text{Mg}, \text{Fe})\text{Ti}_2\text{O}_5$   
Mineralogical Magazine 43 (1980), 1055
- D Orthobronzite . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535
- A Orthoclase . . . . .  $\text{KAlSi}_3\text{O}_8$   
Mineralogical Magazine 33 (1962), 263
- D Orthoenstatite . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535
- A Orthoericssonite . . . . .  $(\text{Ba}, \text{Sr})(\text{Fe}^{3+}, \text{Ti})(\text{Mn}^{2+}, \text{Fe}^{2+})_2\text{Si}_2\text{O}_7(\text{O}, \text{OH})_2$   
Lithos 4 (1971), 137
- D Orthoerulite . . . . .  $\text{Fe}^{2+}\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Orthoferrosilite . . . . .  $\text{Fe}^{2+}\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Orthohypersthene . . . . .  $(\text{Mg}, \text{Fe}^{2+})\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- A Orthojoaquinite-(Ce) . . . . .  $\text{NaBa}_2\text{Fe}^{2+}\text{Ce}_2\text{Ti}_2(\text{SiO}_3)_8\text{O}_2(\text{O}, \text{OH}) \cdot \text{H}_2\text{O}$   
American Mineralogist 67 (1982), 809
- R Orthojoaquinite-(La) . . . . .  $\text{NaBa}_2(\text{La}, \text{Ce})_2\text{Fe}^{2+}\text{Ti}_2\text{Si}_8\text{O}_{26}(\text{OH}, \text{O}, \text{F}) \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 39 (2001), 757
- D Ortholomonosovite . . . . .  $\text{Na}_5\text{Ti}_2\text{O}_2(\text{Si}_2\text{O}_7)(\text{PO}_4)$   
American Mineralogist 48 (1963), 1413
- A Orthominasragrite . . . . .  $\text{V}^{4+}\text{O}(\text{SO}_4) \cdot 5\text{H}_2\text{O}$   
Canadian Mineralogist 39 (2001), 1325
- A Orthopinakiolite . . . . .  $(\text{Mg}, \text{Mn}^{2+}, \text{Fe})_2\text{Mn}^{3+}\text{O}_2(\text{BO}_3)$   
Mineralogical Magazine 33 (1962), 260
- D Orthorhombic lamprophyllite . . . . .  $(\text{Na}, \text{Ca})(\text{Na}, \text{Mn})_2(\text{Sr}, \text{Ba})_2\text{Ti}_3(\text{Si}_2\text{O}_7)_2(\text{O}, \text{OH}, \text{F})_4$   
Mineralogical Magazine 36 (1968), 1144
- D Orthorhombic lăvenite . . . . .  $(\text{Na}, \text{Ca})_2(\text{Mn}^{2+}, \text{Fe}^{2+})(\text{Zr}, \text{Nb})(\text{Si}_2\text{O}_7)(\text{O}, \text{OH}, \text{F})_2$   
Mineralogical Magazine 36 (1968), 1144
- D Orthoriebeckite . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Orthose . . . . .  $\text{KAlSi}_3\text{O}_8$   
Mineralogical Magazine 33 (1962), 263
- A Orthoserpierite . . . . .  $\text{Ca}(\text{Cu}, \text{Zn})_4(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
Schweizerische Mineralogische und Petrographische Mitteilungen 65 (1985), 1
- A Orthowalpurkite . . . . .  $(\text{UO}_2)\text{Bi}_4\text{O}_4(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$   
European Journal of Mineralogy 7 (1995), 1313
- D Orthozoisite . . . . .  $\text{Ca}_2\text{Al}_3(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{O}, \text{OH})_2$

- Mineralogical Magazine 38 (1971), 103
- D Oryzite . . . . .  $(\text{Ca}_{2.6}\text{Na}_{0.8})(\text{Al}_6\text{Si}_{18})\text{O}_{48} \cdot \approx 16\text{H}_2\text{O}$   
American Mineralogist 57 (1972), 592
- D Osannite . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_3\text{Fe}_2^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- R Osarizawaite . . . . .  $\text{CuPb}(\text{Al}, \text{Fe})_2(\text{SO}_4)_2(\text{OH})_6$   
American Mineralogist 72 (1987), 178
- A Osarsite . . . . .  $(\text{Os}, \text{Ru})\text{AsS}$   
American Mineralogist 57 (1972), 1029
- D Osmiridium . . . . .  $(\text{Ir}, \text{Os})$   
Canadian Mineralogist 29 (1991), 231
- R Osmium . . . . .  $\text{Os}$   
Canadian Mineralogist 29 (1991), 231
- D Osumilite-(K,Mg) . . . . .  $\text{K}(\text{Mg}, \text{Fe})_2(\text{Al}, \text{Fe})_3(\text{Si}, \text{Al})_{12}\text{O}_{30}$   
Mineralogical Magazine 43 (1980), 1055
- A Oswaldpeetersite . . . . .  $(\text{UO}_2)_2\text{CO}_3(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 39 (2001), 1685
- A Otjismeite . . . . .  $\text{PbGe}_4\text{O}_9$   
Neues Jahrbuch für Mineralogie, Monatshefte (1981), 49
- A Ottemannite . . . . .  $\text{Sn}_2\text{S}_3$   
Mineralogical Magazine 36 (1968), 1144
- A Ottoliniite . . . . .  $\text{NaLi}(\text{Mg}_3\text{Fe}^{3+}\text{Al})\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 41 (2003), 1355
- A Otwayite . . . . .  $\text{Ni}_2\text{CO}_3(\text{OH})_2 \cdot \text{H}_2\text{O}$   
American Mineralogist 62 (1977), 999
- A Oulankaite . . . . .  $(\text{Pd}, \text{Pt})_5(\text{Cu}, \text{Fe})_4\text{SnTe}_2\text{S}_2$   
European Journal of Mineralogy 8 (1996), 311
- A Ourayite . . . . .  $\text{Ag}_3\text{Pb}_4\text{Bi}_5\text{S}_{13}$   
Neues Jahrbuch für Mineralogie, Abhandlungen 131 (1977), 56
- A Oursinite . . . . .  $(\text{Co}, \text{Mg})(\text{UO}_2)_2(\text{SiO}_3\text{OH})_2 \cdot 6\text{H}_2\text{O}$   
Bulletin de Minéralogie 106 (1983), 305
- A Ovamboite . . . . .  $\text{Cu}_{10}(\text{Fe}, \text{Zn}, \text{Cu})_3\text{WGe}_3\text{S}_{16}$   
Doklady Akademiia Nauk (in Russian). 393 (2003), 809
- A Owensite . . . . .  $(\text{Ba}, \text{Pb})_6(\text{Cu}^{1+}, \text{Fe}, \text{Ni})_{25}\text{S}_{27}$   
Canadian Mineralogist 33 (1995), 665
- D Oxyferropumpellyite . . . . .  $\text{Ca}_2\text{Fe}^{3+}\text{Al}_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- D Oxyjulgoldite . . . . .  $(\text{Ca}, \text{K})_2\text{Fe}_2^{3+}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- A Oyelite . . . . .  $\text{Ca}_{10}\text{B}_2\text{Si}_8\text{O}_{29} \cdot 12\text{H}_2\text{O}$   
Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists 79 (1984), 267
- D Ozarkite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Pääkkönenite . . . . .  $\text{Sb}_2\text{AsS}_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 480
- A Paarite . . . . .  $\text{Cu}_{1.6}\text{Pb}_{1.6}\text{Bi}_{6.4}\text{S}_{12}$   
Canadian Mineralogist 39 (2001), 1377
- A Pabstite . . . . .  $\text{Ba}(\text{Sn}, \text{Ti})\text{Si}_3\text{O}_9$   
American Mineralogist 50 (1965), 1164
- A Paceite . . . . .  $\text{CaCu}(\text{CH}_3\text{COO})_2 \cdot 6\text{H}_2\text{O}$   
Mineralogical Magazine 66 (2002), 459

- A Padëraite . . . . .  $\text{Ag}_{1.3}\text{Cu}_{5.9}^{1+}\text{Pb}_{1.6}\text{Bi}_{11.2}\text{S}_{22}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1985), 557
- A Padmaite . . . . .  $\text{PdBiSe}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 120 (3) (1991), 85
- A Paganoite . . . . .  $\text{NiBi}^{3+}\text{OAsO}_4$   
European Journal of Mineralogy 13 (2001), 167
- D Pagodite . . . . .  $\text{Al, Si, O, H}_2\text{O}$   
Canadian Mineralogist 36 (1998), 905
- A Pahasapaite . . . . .  $\text{Li}_8(\text{Ca, Li, K})_{10.5}\text{Be}_{24}(\text{PO}_4)_{24} \cdot 38\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1987), 433
- A Palarstanide . . . . .  $\text{Pd}_5(\text{Sn, As})_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 487
- A Palenzonaite . . . . .  $\text{NaCa}_2\text{Mn}_2^{2+}(\text{VO}_4)_3$   
Neues Jahrbuch für Mineralogie, Monatshefte (1987), 136
- D Palladium arsenostannide . . . . .  $\text{Pd}_{5+x}(\text{Sn, As, Sb})_3$   
American Mineralogist 72 (1987), 1031 (Appendix Table 1)
- A Palladoarsenide . . . . .  $\text{Pd}_2\text{As}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 104
- A Palladobismutharsenide . . . . .  $\text{Pd}_2(\text{As, Bi})$   
Canadian Mineralogist 14 (1976), 410
- A Palladodymite . . . . .  $(\text{Pd, Rh})_2\text{As}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 128 (1999) (2), 39
- A Palladseite . . . . .  $\text{Pd}_{17}\text{Se}_{15}$   
Mineralogical Magazine 41 (1977), 123, M12
- D Panabase . . . . .  $(\text{Cu, Fe})_{12}\text{Sb}_4\text{S}_{13}$   
Mineralogical Magazine 43 (1980), 1053
- A Panasqueiraite . . . . .  $\text{Ca}(\text{Mg, Fe})\text{PO}_4(\text{OH, F})$   
Canadian Mineralogist 19 (1981), 389
- D Pandaite . . . . .  $(\text{Ba, Sr})(\text{Nb, Ti})_2(\text{O, OH})_7$   
American Mineralogist 62 (1977), 403
- A Panethite . . . . .  $(\text{Na, Ca, K})_{1-x}(\text{Mg, Fe}^{2+}, \text{Mn})\text{PO}_4$   
Geochimica et Cosmochimica Acta 31 (1967), 1711
- A Panunzite . . . . .  $\text{K}_3\text{Na}(\text{AlSiO}_4)_4$   
American Mineralogist 73 (1988), 420
- A Paolovite . . . . .  $\text{Pd}_2\text{Sn}$   
Geologiya Rudnykh Mestorozhdenii 16 (1974), 98
- A Papagoite . . . . .  $\text{CaCuAlSi}_2\text{O}_6(\text{OH})_3$   
Mineralogical Magazine 33 (1962), 261
- A Para-alumohydrocalcite . . . . .  $\text{CaAl}_2(\text{CO}_3)_2(\text{OH})_4 \cdot 6\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 106 (1977), 336
- D Para-armalcolite . . . . .  $(\text{Mg, Fe})\text{Ti}_2\text{O}_5$   
Mineralogical Magazine 43 (1980), 1055
- A Parabariomicrolite . . . . .  $\text{BaTa}_4\text{O}_{10}(\text{OH})_2 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 24 (1986), 655
- D Paraboleite . . . . .  $\text{Pb, Ag, Cu, Cl, OH, H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1055
- A Parabrandtite . . . . .  $\text{Ca}_2\text{Mn}^{2+}(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Abhandlungen 157 (1987), 113
- A Paracostibite . . . . .  $\text{CoSbS}$   
Canadian Mineralogist 10 (1970), 232
- A Paradocrasite . . . . .  $\text{Sb}_3\text{As}$   
American Mineralogist 56 (1971), 1127

- A Parafransoletite . . . . .  $\text{Ca}_3\text{Be}_2(\text{PO}_4)_2(\text{PO}_3\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
*American Mineralogist* 77 (1992), 843
- A Paragonite . . . . .  $\text{NaAl}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_2$   
*Canadian Mineralogist* 36 (1998), 905
- D Parahilgardite . . . . .  $(\text{Ca}, \text{Sr})_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}$   
*American Mineralogist* 70 (1985), 636
- A Parakeldyshite . . . . .  $\text{Na}_2\text{ZrSi}_2\text{O}_7$   
*Trudy Mineralogicheskogo Muzeya Akademiyi Nauk SSSR* 24 (1975), 120
- A Parakhinite . . . . .  $\text{Cu}_3^{2+}\text{PbTe}^{6+}\text{O}_6(\text{OH})_2$   
*American Mineralogist* 63 (1978), 1016
- A Parakuzmenkoite-Fe . . . . .  $(\text{K}, \text{Ba})_8\text{Fe}_4\text{Ti}_{16}(\text{Si}_4\text{O}_{12})_8(\text{OH}, \text{O})_{16} \cdot 20\text{-}28\text{H}_2\text{O}$   
*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* 130 (2001) (6), 63
- R Paralabuntsovite-Mg . . . . .  $\text{Na}_8\text{K}_8\text{Mg}_4\text{Ti}_{16}(\text{Si}_4\text{O}_{12})_8(\text{O}, \text{OH})_{16} \cdot 20\text{-}24\text{H}_2\text{O}$   
*European Journal of Mineralogy* 14 (2002), 165
- A Paralstonite . . . . .  $\text{BaCa}(\text{CO}_3)_2$   
*Geological Survey of Canada, Paper 79-1C* (1979), 99
- A Paramendozavilite . . . . .  $\text{NaAl}_4\text{Fe}_7(\text{PO}_4)_5(\text{PMo}_{12}\text{O}_{40})(\text{OH})_{16} \cdot 56\text{H}_2\text{O}$   
*Boletín de Mineralogía (Mexico City)* 2 (1986), 13
- A Paranatisite . . . . .  $\text{Na}_2\text{TiO}(\text{SiO}_4)$   
*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* 121 (1992) (6), 133
- A Paranatroilite . . . . .  $\text{Na}_2(\text{Si}_3\text{Al}_2)\text{O}_{10} \cdot 3\text{H}_2\text{O}$   
*Canadian Mineralogist* 18 (1980), 85
- A Paraniite-(Y) . . . . .  $(\text{Ca}, \text{Y}, \text{Dy})_2\text{Y}(\text{WO}_4)_2\text{AsO}_4$   
*Schweizerische Mineralogische und Petrographische Mitteilungen* 74 (1994), 155
- A Paraotwayite . . . . .  $\text{Ni}(\text{OH})_{2-x}(\text{SO}_4, \text{CO}_3)_{0.5x}$   
*Canadian Mineralogist* 25 (1987), 409
- D Parapectolite . . . . .  $\text{NaCa}_2\text{Si}_3\text{O}_8(\text{OH})$   
*Mineralogical Magazine* 43 (1980), 1055
- D Paraphane . . . . .  $\text{U}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
*Mineralogical Magazine* 36 (1968), 1144
- A Parapierronite . . . . .  $\text{Tl}(\text{Sb}, \text{As})_5\text{S}_8$   
*Tschermak's Mineralogische und Petrographische Mitteilungen* 22 (1975), 200
- A Pararealgar . . . . .  $\text{AsS}$   
*Canadian Mineralogist* 18 (1980), 525
- A Pararobertsite . . . . .  $\text{Ca}_2\text{Mn}_3^{3+}(\text{PO}_4)_3\text{O}_2 \cdot 3\text{H}_2\text{O}$   
*Canadian Mineralogist* 27 (1989), 451
- A Pararsenolamprite . . . . .  $\text{As}$   
*Mineralogical Magazine* 65 (2001), 807
- A Paraschachnerite . . . . .  $\text{Ag}_{1.2}\text{Hg}_{0.8}$   
*Neues Jahrbuch für Mineralogie, Abhandlungen* 117 (1972), 1
- A Parascholzite . . . . .  $\text{CaZn}_2(\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$   
*American Mineralogist* 66 (1981), 843
- A Parascorodite . . . . .  $\text{Fe}^{3+}\text{AsO}_4 \cdot 2\text{H}_2\text{O}$   
*American Mineralogist* 84 (1999), 1439
- A Parasibirskite . . . . .  $\text{Ca}_2\text{B}_2\text{O}_5 \cdot \text{H}_2\text{O}$   
*Mineralogical Magazine* 62 (1998), 521
- A Paraspuurrite . . . . .  $\text{Ca}_5(\text{SiO}_4)_2(\text{CO}_3)$   
*American Mineralogist* 62 (1977), 1003
- D Parastilbite . . . . .  $(\text{Ca}, \text{Na})_{3.4}(\text{Al}_6\text{Si}_{18})\text{O}_{48} \cdot \approx 16\text{H}_2\text{O}$   
*Canadian Mineralogist* 35 (1997), 1571
- D Parastrengite . . . . .  $\text{Fe}, \text{PO}_4, \text{H}_2\text{O}$   
*Mineralogical Magazine* 43 (1980), 1055

- A Paratellurite . . . . .  $\text{TeO}_2$   
Mineralogical Magazine 33 (1962), 260
- A Paratsepinite-Ba . . . . .  $(\text{Ba, Na, K})_{2-x}(\text{Ti, Nb})_2\text{Si}_4\text{O}_{12}(\text{OH, O})_2 \cdot 4\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (1), 38
- A Paraumbite . . . . .  $\text{K}_3\text{Zr}_2\text{H}(\text{Si}_3\text{O}_9)_2 \cdot 3\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 461
- D Paravariscite . . . . .  $(\text{Al, Fe})\text{PO}_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1055
- A Paravinogradovite . . . . .  $(\text{Na, } \square)_2(\text{Ti}^{4+}, \text{Fe}^{3+})_4(\text{Si}_2\text{O}_6)_2(\text{Si}_3\text{AlO}_{10})(\text{OH})_4 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 41 (2003), 989
- D Parawollastonite . . . . .  $\text{CaSiO}_3$   
Mineralogical Magazine 33 (1962), 263
- R Pargasite . . . . .  $\text{NaCa}_2(\text{Mg, Fe})_4\text{Al}(\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Pargasitic hornblende . . . . .  $\text{NaCa}_2(\text{Mg, Fe}^{2+}, \text{Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Parisite-(Ce) . . . . .  $\text{Ca}(\text{Ce, La})_2(\text{CO}_3)_3\text{F}_2$   
American Mineralogist 72 (1987), 1031 (Appendix Table 2)
- A Parkinsonite . . . . .  $(\text{Pb, Mo, } \square)_8\text{O}_8\text{Cl}_2$   
Mineralogical Magazine 58 (1994), 59
- A Parnauite . . . . .  $\text{Cu}_9(\text{AsO}_4)_2(\text{SO}_4)(\text{OH})_{10} \cdot 7\text{H}_2\text{O}$   
American Mineralogist 63 (1978), 704
- A Parthéite . . . . .  $\text{Ca}_2(\text{Si}_4\text{Al}_4)\text{O}_{15}(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Schweizerische Mineralogische und Petrographische Mitteilungen 59 (1979), 5
- A Parwelite . . . . .  $\text{Mn}_{10}^{2+}\text{Sb}_2^{5+}\text{As}_2^{5+}\text{Si}_2\text{O}_{24}$   
Arkiv för Mineralogi och Geologi 4 (1968), 467
- D Paternoite . . . . .  $\text{KMg}_2\text{B}_{12}\text{O}_{15}(\text{OH})_{11} \cdot 4\text{H}_2\text{O}$   
American Mineralogist 50 (1965), 1079
- D Pattersonite . . . . .  $\text{K, Mg, Fe, Al, Si, O}$   
Canadian Mineralogist 36 (1998), 905
- D Paucilithionite . . . . .  $\text{K}_2(\text{Li, Al})_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Paulingite-Ca . . . . .  $(\text{Ca, K, Na, Ba})_7(\text{Si, Al})_{42}\text{O}_{84} \cdot n\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- R Paulingite-K . . . . .  $(\text{K, Ca, Na, Ba})_7(\text{Si, Al})_{42}\text{O}_{84} \cdot 34\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Paulite (of Bültmann) . . . . .  $\text{Al, U, AsO}_4, \text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 261
- D Paulite (of Werner) . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535
- A Paulkellerite . . . . .  $\text{Bi}_2^{3+}\text{Fe}^{3+}\text{O}_2(\text{PO}_4)(\text{OH})_2$   
American Mineralogist 73 (1988), 870
- A Paulkerrite . . . . .  $\text{K}(\text{Mg, Mn}^{2+})_2\text{Ti}(\text{Fe}^{3+}, \text{Al})_2(\text{PO}_4)_4(\text{OH})_3 \cdot 15\text{H}_2\text{O}$   
Mineralogical Record 15 (1984), 303
- A Paulmooreite . . . . .  $\text{Pb}_2\text{As}_2^{3+}\text{O}_5$   
American Mineralogist 64 (1979), 352
- A Paxite . . . . .  $\text{CuAs}_2$   
Mineralogical Magazine 36 (1967), 132
- D Pearl-mica . . . . .  $\text{CaAl}_4\text{Si}_2\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Peckhamite . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535

- A Pecoraite . . . . . Ni<sub>3</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub>  
 Science 165 (1969), 59
- R Pectolite-M2abc . . . . . NaCa<sub>2</sub>Si<sub>3</sub>O<sub>8</sub>(OH)  
 American Mineralogist 63 (1978), 427
- A Pedrizite . . . . . Li<sub>2</sub>(Li, Mg, Fe<sup>2+</sup>, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 41 (2003), 1355
- D Pehrmanite . . . . . Be(Fe<sup>2+</sup>, Zn, Mg)<sub>2</sub>Al<sub>6</sub>O<sub>12</sub>  
 European Journal of Mineralogy 14 (2002), 389
- A Peisleyite . . . . . Na<sub>3</sub>Al<sub>16</sub>(PO<sub>4</sub>)<sub>10</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>17</sub>•20H<sub>2</sub>O  
 Mineralogical Magazine 46 (1982), 449
- A Pekoite . . . . . CuPbBi<sub>11</sub>(S, Se)<sub>18</sub>  
 Canadian Mineralogist 14 (1976), 322
- A Pellouxite . . . . . (Cu, Ag)Pb<sub>10</sub>Sb<sub>12</sub>S<sub>27</sub>(Cl, S)<sub>0.6</sub>O  
 International Mineralogical Association, General Meeting Program Abstracts 18  
 (2002), 138
- A Pellyite . . . . . Ba<sub>2</sub>Ca(Fe, Mg)<sub>2</sub>Si<sub>6</sub>O<sub>17</sub>  
 Canadian Mineralogist 11 (1972), 444
- D Pendletonite . . . . . C<sub>24</sub>H<sub>12</sub>  
 American Mineralogist 54 (1969), 329
- D Pengzhizhongite-6H . . . . . (Mg, Zn, Fe<sup>3+</sup>, Al)<sub>4</sub>(Sn<sup>4+</sup>, Fe<sup>3+</sup>)<sub>2</sub>(Al, □)<sub>10</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 European Journal of Mineralogy 14 (2002), 389
- A Penikisite . . . . . Ba(Mg, Fe<sup>2+</sup>)<sub>2</sub>Al<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub>(OH)<sub>3</sub>  
 Canadian Mineralogist 15 (1977), 393
- R Penkvilksite-2O . . . . . Na<sub>4</sub>Ti<sub>2</sub>Si<sub>8</sub>O<sub>22</sub>•4H<sub>2</sub>O  
 American Mineralogist 79 (1994), 1185
- R Penkvilksite-1M . . . . . Na<sub>4</sub>Ti<sub>2</sub>Si<sub>8</sub>O<sub>22</sub>•4H<sub>2</sub>O  
 American Mineralogist 79 (1994), 1185
- A Penobsquisite . . . . . Ca<sub>2</sub>Fe<sup>2+</sup>[B<sub>9</sub>O<sub>13</sub>(OH)<sub>6</sub>]Cl•4H<sub>2</sub>O  
 Canadian Mineralogist 34 (1996), 657
- A Pentagonite . . . . . CaV<sup>4+</sup>OSi<sub>4</sub>O<sub>10</sub>•4H<sub>2</sub>O  
 American Mineralogist 58 (1973), 405
- A Pentahydroborite . . . . . CaB<sub>2</sub>O(OH)<sub>6</sub>•2H<sub>2</sub>O  
 Mineralogical Magazine 36 (1967), 132
- D Penwithite . . . . . (Mn, Fe, Mg)SiO<sub>3</sub>•H<sub>2</sub>O  
 Mineralogical Magazine 42 (1978), 279
- A Penzhinite . . . . . (Ag, Cu)<sub>4</sub>Au(S, Se)<sub>4</sub>  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 356
- R Peprossiite-(Ce) . . . . . (Ce, La)Al<sub>2</sub>B<sub>4</sub>O<sub>10</sub>  
 European Journal of Mineralogy 5 (1993), 53
- A Percleveite-(Ce) . . . . . (Ce, La, Nd)<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>  
 European Journal of Mineralogy 15 (2003), 725
- A Peretaite . . . . . CaSb<sub>4</sub><sup>3+</sup>O<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>•2H<sub>2</sub>O  
 American Mineralogist 65 (1980), 936
- A Perhamite . . . . . Ca<sub>3</sub>Al<sub>7</sub>(SiO<sub>4</sub>)<sub>3</sub>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>3</sub>•16.5H<sub>2</sub>O  
 Mineralogical Magazine 41 (1977), 437
- A Perite . . . . . PbBiO<sub>2</sub>Cl  
 Mineralogical Magazine 33 (1962), 260
- D Perlglimmer . . . . . CaAl<sub>4</sub>Si<sub>2</sub>O<sub>10</sub>(OH)<sub>2</sub>  
 Canadian Mineralogist 36 (1998), 905
- A Perlialite . . . . . K<sub>9</sub>Na(Ca, Sr)(Si<sub>24</sub>Al<sub>12</sub>)O<sub>72</sub>•15H<sub>2</sub>O  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 607
- A Perloffite . . . . . Ba(Mn<sup>2+</sup>, Fe<sup>2+</sup>)<sub>2</sub>Fe<sub>2</sub><sup>3+</sup>(PO<sub>4</sub>)<sub>3</sub>(OH)<sub>3</sub>

- Mineralogical Record 8 (1977), 112
- R Permanganogrunerite . . . . .  $\square\text{Mn}_4^{2+}(\text{Fe}, \text{Mg})_3\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Permingeatite . . . . .  $\text{Cu}_3(\text{Sb}, \text{As})\text{Se}_4$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 94 (1971), 162
- A Perraultite . . . . .  $(\text{Na}, \text{Ca})_2(\text{Ba}, \text{K})_2\text{Mn}_8^{2+}(\text{Ti}, \text{Nb})_4\text{O}_4(\text{Si}_2\text{O}_7)_4(\text{OH}, \text{F})_6$   
Canadian Mineralogist 29 (1991), 355
- A Perrierite-(Ce) . . . . .  $(\text{Ce}, \text{Ca}, \text{Th})_4(\text{Mg}, \text{Fe})(\text{Fe}^{3+}, \text{Al}, \text{Zr})_2\text{Ti}_2^{4+}\text{O}_8(\text{Si}_2\text{O}_7)_2$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Perroudite . . . . .  $\text{Ag}_4\text{Hg}_5\text{S}_5(\text{Cl}, \text{I}, \text{Br})_4$   
American Mineralogist 72 (1987), 1251
- A Pertsevite . . . . .  $\text{Mg}_2\text{BO}_3\text{F}$   
European Journal of Mineralogy 15 (2003), 1007
- A Petarasite . . . . .  $\text{Na}_5\text{Zr}_2\text{Si}_6\text{O}_{18}(\text{Cl}, \text{OH}) \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 18 (1980), 497
- A Petedunnite . . . . .  $\text{CaZnSi}_2\text{O}_6$   
American Mineralogist 72 (1987), 157
- A Peterbaylissite . . . . .  $\text{Hg}_3\text{CO}_3(\text{OH}) \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 33 (1995), 47
- A Petersenite-(Ce) . . . . .  $\text{Na}_4(\text{Ce}, \text{La}, \text{Nd})_2(\text{CO}_3)_5$   
Canadian Mineralogist 32 (1994), 405
- A Petersite-(Y) . . . . .  $\text{Cu}_6(\text{Y}, \text{Ca})(\text{PO}_4)_3(\text{OH})_6 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 67 (1982), 1039
- A Petitjeanite . . . . .  $\text{Bi}_3\text{O}(\text{PO}_4)_2(\text{OH})$   
Neues Jahrbuch für Mineralogie, Monatshefte (1993), 487
- A Petrovicite . . . . .  $\text{Cu}_3\text{HgPbBiSe}_5$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 99 (1976), 310
- A Petrovskaita . . . . .  $\text{AuAg}(\text{S}, \text{Se})$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 602
- A Petrukite . . . . .  $(\text{Cu}, \text{Fe}, \text{Sn})_3\text{SnS}_4$   
Canadian Mineralogist 27 (1989), 673
- A Petscheckite . . . . .  $\text{U}^{4+}\text{Fe}^{2+}(\text{Nb}, \text{Ta})_2\text{O}_8$   
American Mineralogist 63 (1978), 941
- A Petterdite . . . . .  $\text{PbCr}_2(\text{CO}_3)_2(\text{OH})_4 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 38 (2000), 1467
- A Pezzottaite . . . . .  $\text{CsLiBe}_2\text{Al}_2\text{Si}_6\text{O}_{18}$   
Gems and Gemology 39 (2003), 284
- D Phacolite . . . . .  $(\text{Ca}, \text{K}, \text{Na})(\text{Si}, \text{Al})_3\text{O}_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Phakolit . . . . .  $(\text{Ca}, \text{K}, \text{Na})(\text{Si}, \text{Al})_3\text{O}_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Pharaonite . . . . .  $(\text{Na}, \text{Ca}, \text{K})_8(\text{AlSiO}_4)_6(\text{Cl}, \text{SO}_4, \text{CO}_3)_{2-3}$   
Mineralogical Magazine 43 (1980), 1055
- D Phästine . . . . .  $\text{Mg}, \text{Si}, \text{O}$   
Mineralogical Magazine 52 (1988), 535
- A Phaunouxite . . . . .  $\text{Ca}_3(\text{AsO}_4)_2 \cdot 11\text{H}_2\text{O}$   
Bulletin de Minéralogie 105 (1982), 327
- g Phengite . . . . .  $\text{K}(\text{Al}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Philadelphite . . . . .  $\text{K}, \text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$



- Canadian Mineralogist 36 (1998), 905
- A Philipsbornite . . . . .  $\text{PbAl}_3(\text{AsO}_4)(\text{AsO}_3\text{OH})(\text{OH})_6$   
Neues Jahrbuch für Mineralogie, Monatshefte (1982), 1
- A Philipsburgite . . . . .  $(\text{Cu, Zn})_6(\text{AsO}_4, \text{PO}_4)_2(\text{OH})_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 23 (1985), 255
- D Philipstadite . . . . .  $\text{Ca}_2(\text{Fe}^{2+}, \text{Mg})_4(\text{Fe}^{3+}, \text{Al})(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH}, \text{F})_2$   
American Mineralogist 63 (1978), 1023
- A Phillipsite-Ca . . . . .  $(\text{Ca, K, Na})_2(\text{Si, Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- R Phillipsite-K . . . . .  $(\text{K, Na, Ca})_2(\text{Si, Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Phillipsite-Na . . . . .  $(\text{Na, K, Ca})_2(\text{Si, Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Mineralogical Magazine 62 (1998), 533
- A Philolithite . . . . .  $\text{Pb}_{12}\text{O}_6(\text{Mn, Mg})_7(\text{SO}_4)(\text{CO}_3)_4\text{Cl}_4(\text{OH})_{12}$   
Mineralogical Record 29 (1998), 201
- A Phlogopite . . . . .  $\text{K}(\text{Mg, Fe})_3(\text{Si}_3\text{Al})\text{O}_{10}(\text{F, OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Phoenicochroite . . . . .  $\text{Pb}_2\text{O}(\text{CrO}_4)$   
Mineralogical Magazine 43 (1980), 1054
- D Pholidolite . . . . .  $\text{K, Mg, Fe, Al, Si, O}$   
Canadian Mineralogist 36 (1998), 905
- A Phosinaite-(Ce) . . . . .  $\text{Na}_{13}(\text{Ca, Mn})_2(\text{Ce, La})(\text{SiO}_3)_4(\text{PO}_4)_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 567
- D Phosphochromite . . . . .  $(\text{Al, Fe})\text{PO}_4 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 7 (1963), 676
- A Phosphoellenbergerite . . . . .  $(\text{Mg, } \square)_2\text{Mg}_{12}(\text{PO}_4, \text{PO}_3\text{OH})_6(\text{PO}_3\text{OH, CO}_3)_2(\text{OH})_6$   
Mineralogy and Petrology 62 (1998), 89
- R Phosphoferrite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})_3(\text{PO}_4)_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 789
- A Phosphofibrite . . . . .  $\text{KCuFe}^{3+}_{15}(\text{PO}_4)_{12}(\text{OH})_{12} \cdot 12\text{H}_2\text{O}$   
Chemie der Erde 43 (1984), 11
- A Phosphogartrellite . . . . .  $\text{PbCuFe}^{3+}(\text{PO}_4)_2(\text{OH, H}_2\text{O})_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1998), 111
- R Phosphosiderite . . . . .  $\text{Fe}^{3+}\text{PO}_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 135
- D Phosphothorogummite . . . . .  $(\text{Th, U})(\text{SiO}_4, \text{PO}_4)(\text{OH})_4$   
Mineralogical Magazine 38 (1971), 103
- A Phosphovanadylite . . . . .  $(\text{Ba, Ca, K, Na})_{0.7}(\text{V, Al})_4\text{P}_2(\text{O, OH})_{16} \cdot 12\text{H}_2\text{O}$   
American Mineralogist 83 (1998), 889
- A Phuralumite . . . . .  $\text{Al}_2(\text{UO}_2)_3(\text{PO}_4)_2(\text{OH})_6 \cdot 10\text{H}_2\text{O}$   
Bulletin de Minéralogie 102 (1979), 333
- A Phurcalite . . . . .  $\text{Ca}_2(\text{UO}_2)_3\text{O}_2(\text{PO}_4)_2 \cdot 7\text{H}_2\text{O}$   
Bulletin de Minéralogie 101 (1978), 356
- A Phyllotungstite . . . . .  $\text{HCaFe}^{3+}_3(\text{WO}_4)_6 \cdot 10\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1984), 529
- D Pianlinite . . . . .  $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot \text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031
- A Picotpaulite . . . . .  $\text{TlFe}_2\text{S}_3$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 93 (1970), 545
- D Picranalcime . . . . .  $\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571

- D Picroamosite . . . . . (Mg, Fe<sup>3+</sup>, Fe)<sub>7</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Picromerite . . . . . K<sub>2</sub>Mg(SO<sub>4</sub>)<sub>2</sub>•6H<sub>2</sub>O  
Mineralogical Magazine 46 (1982), 513
- D Picrophengite . . . . . K(Al, Mg)<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Picrophyll . . . . . Ca, Mg, Fe, Si, O  
Mineralogical Magazine 52 (1988), 535
- D Picrothomsonite . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub>•6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Piedmontite . . . . . (Ca, Pb, Ce)<sub>2</sub>(Mn, Fe)Al<sub>2</sub>(Si<sub>2</sub>O<sub>7</sub>)(SiO<sub>4</sub>)(O, OH)<sub>2</sub>  
Mineralogical Magazine 43 (1980), 1053
- A Piemontite . . . . . (Ca, Pb, Ce)<sub>2</sub>(Mn<sup>3+</sup>, Fe<sup>3+</sup>)Al<sub>2</sub>(Si<sub>2</sub>O<sub>7</sub>)(SiO<sub>4</sub>)(O, OH)<sub>2</sub>  
Mineralogical Magazine 33 (1962), 262
- A Pierrotite . . . . . Tl<sub>2</sub>(Sb, As)<sub>10</sub>S<sub>16</sub>  
Bulletin de la Société Française de Minéralogie et de Cristallographie 93 (1970),  
66
- A Pigeonite . . . . . (Mg, Fe, Ca)SiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- D Pigeonite-augite . . . . . (Ca, Mg, Fe)<sub>2</sub>Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- D Pilinite . . . . . Ca<sub>4</sub>Be<sub>2</sub>Al<sub>2</sub>Si<sub>9</sub>O<sub>26</sub>(OH)<sub>2</sub>  
Mineralogical Magazine 33 (1962), 262
- D Pilite . . . . . Ca<sub>2</sub>(Fe, Mg)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Pillaite . . . . . Pb<sub>9</sub>Sb<sub>10</sub>S<sub>23</sub>Cl<sub>0.5</sub>  
European Journal of Mineralogy 13 (2001), 605
- R Pilsenite . . . . . Bi<sub>4</sub>Te<sub>3</sub>  
Proceedings of the Japan Academy B58 (1982), 291
- A Pinalite . . . . . Pb<sub>3</sub>(WO<sub>4</sub>)OCl<sub>2</sub>  
American Mineralogist 74 (1989), 934
- A Pinchite . . . . . Hg<sub>5</sub>O<sub>4</sub>Cl<sub>2</sub>  
Canadian Mineralogist 12 (1974), 417
- A Pinguite . . . . . Bi<sub>6</sub>Te<sub>2</sub><sup>4+</sup>O<sub>13</sub>  
Acta Mineralogica Sinica (in Chinese) 14 (1994), 767
- D Pinite . . . . . K, Al, Si, O (?)  
Canadian Mineralogist 36 (1998), 905
- A Piretite . . . . . Ca(UO<sub>2</sub>)<sub>3</sub>(Se<sup>4+</sup>O<sub>3</sub>)<sub>2</sub>(OH)<sub>4</sub>•4H<sub>2</sub>O  
Canadian Mineralogist 34 (1996), 1317
- A Pirquitasite . . . . . Ag<sub>2</sub>ZnSnS<sub>4</sub>  
Bulletin de Minéralogie 105 (1982), 229
- A Pitiglianoite . . . . . K<sub>2</sub>Na<sub>6</sub>(AlSiO<sub>4</sub>)<sub>6</sub>(SO<sub>4</sub>)•2H<sub>2</sub>O  
American Mineralogist 76 (1991), 2003
- D Pitkärantite . . . . . Ca, Mg, Fe, Si, O  
Mineralogical Magazine 52 (1988), 535
- A Piypite . . . . . K<sub>4</sub>Cu<sub>4</sub>O<sub>2</sub>(SO<sub>4</sub>)<sub>4</sub>•(Na, Cu)Cl  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 118(3), (1989), 88
- R Planchéite . . . . . Cu<sub>8</sub>(Si<sub>4</sub>O<sub>11</sub>)<sub>2</sub>(OH)<sub>4</sub>•H<sub>2</sub>O  
Mineralogical Abstracts 19 (1968), 221
- R Planerite . . . . . Al<sub>6</sub>(PO<sub>4</sub>)<sub>2</sub>(PO<sub>3</sub>OH)<sub>2</sub>(OH)<sub>8</sub>•4H<sub>2</sub>O  
Mineralogical Magazine 62 (1998), 93
- A Platarsite . . . . . (Pt, Rh, Ru)AsS

- Canadian Mineralogist 15 (1977), 385
- D Platiniridium . . . . . (Ir, Pt)  
Canadian Mineralogist 29 (1991), 231
- D Platynite . . . . .  $\text{PbBi}_2(\text{Se, S})_4$   
Canadian Mineralogist 37 (1999), 1313
- A Playfairite . . . . .  $\text{Pb}_8(\text{Sb, As})_{10}\text{S}_{23}$   
Canadian Mineralogist 9 (1967), 191
- D Pleonectite . . . . .  $\text{Pb}_3\text{Ca}_2(\text{AsO}_4)_3\text{Cl}$   
Geologiska Föreningens i Stockholm Förhandlingar 94 (1972), 423
- D Pleurasite . . . . .  $\text{Mn, Fe, AsO}_4$   
Geologiska Föreningens i Stockholm Förhandlingar 94 (1972), 423
- D Plinthite . . . . .  $\text{Fe, Al, Si, O}$   
Mineralogical Magazine 33 (1962), 262
- D Plumalsite . . . . .  $(\text{Pb, Ca, Mg})_4(\text{Al, Fe})_2(\text{SiO}_3)_7$  (?)  
American Mineralogist 53 (1968), 349
- D Plumangite . . . . .  $(\text{Cu, Zn})\text{PbMn}_4\text{O}_{11}$  (?)  
Mineralogical Magazine 43 (1980), 1055
- D Plumboallophe . . . . .  $\text{Pb, Al, Si, O, H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1055
- A Plumbobetafite . . . . .  $(\text{Pb, U, Ca, } \square)_2(\text{Ti, Nb})_2(\text{O, OH, F})_7$   
Trudy Mineralogicheskogo Muzeya Akademiyi Nauk SSSR 19 (1969), 135
- R Plumbojarosite . . . . .  $\text{PbFe}_6^{3+}(\text{SO}_4)_4(\text{OH})_{12}$   
American Mineralogist 72 (1987), 178
- A Plumbomicrolite . . . . .  $(\text{Pb, Na, Ca, } \square)_2(\text{Ta, Nb})_2(\text{O, OH})_7$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 84 (1961), 382
- A Plumbopalladinite . . . . .  $\text{Pb}_2\text{Pd}_3$   
Geologiya Rudnykh Mestorozhdenii 12 (1970) (5), 63
- A Plumbopyrochlore . . . . .  $(\text{Pb, Y, U, Ca, } \square)_2\text{Nb}_2(\text{O, OH})_7$   
Geologiya Mestorozhdenii Redkikh Elementov 30 (1966), 84
- A Plumbotellurite . . . . .  $\text{PbTe}^{4+}\text{O}_3$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science Sections 262 (1982), 177
- A Plumbotsumite . . . . .  $\text{Pb}_5\text{Si}_4\text{O}_8(\text{OH})_{10}$   
Chemie der Erde 41 (1982), 1
- D Plumbozincocalcite . . . . .  $(\text{Ca, Pb, Zn})\text{CO}_3$   
Mineralogical Magazine 38 (1971), 103
- A Poitevinite . . . . .  $(\text{Cu, Fe, Zn})\text{SO}_4 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 8 (1964), 109
- A Pokrovskite . . . . .  $\text{Mg}_2\text{CO}_3(\text{OH})_2 \cdot 0.5\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 90
- A Polarite . . . . .  $\text{Pd}(\text{Bi, Pb})$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 98 (1969), 708
- A Poldervaartite . . . . .  $\text{Ca}(\text{Ca, Mn})(\text{SiO}_3\text{OH})(\text{OH})$   
American Mineralogist 78 (1993), 1082
- A Polhemusite . . . . .  $(\text{Zn, Hg})\text{S}$   
American Mineralogist 63 (1978), 1153
- D Polianite . . . . .  $\text{MnO}_2$   
Mineralogical Magazine 46 (1982), 513
- A Polkanovite . . . . .  $\text{Rh}_{12}\text{As}_7$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 127 (1998) (2), 60
- A Polkovicite . . . . .  $(\text{Fe, Pb})_3(\text{Ge, Fe})_{1-x}\text{S}_4$

Rudy i Metally 20 (1975), 288

- A Pollucite . . . . . (Cs, Na)(Si<sub>2</sub>Al)O<sub>6</sub>•nH<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Pollux . . . . . (Cs, Na)<sub>2</sub>Al<sub>2</sub>Si<sub>4</sub>O<sub>12</sub>•H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Polyakovite-(Ce) . . . . . (Ce, Ca)<sub>4</sub>(Mg, Fe<sup>2+</sup>)(Cr, Fe<sup>3+</sup>)<sub>2</sub>(Ti, Nb)<sub>2</sub>Si<sub>4</sub>O<sub>22</sub>  
Canadian Mineralogist 39 (2001), 1095
- A Polycrase-(Y) . . . . . Y(Ti, Nb)<sub>2</sub>(O, OH)<sub>6</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Poly-irvingite . . . . . K(Li, Al)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(F, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Polyolithionite . . . . . KLi<sub>2</sub>AlSi<sub>4</sub>O<sub>10</sub>(F, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Polymignite . . . . . (Ti, Ca, Zr)O<sub>2</sub>  
Mineralogical Magazine 53 (1989), 565
- A Polyphite . . . . . Na<sub>17</sub>Ca<sub>3</sub>Mg(Ti, Mn)<sub>4</sub>O<sub>2</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>2</sub>(PO<sub>4</sub>)<sub>6</sub>F<sub>6</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (1), 105
- D Polyxene . . . . . Pt, Fe  
Canadian Mineralogist 13 (1975), 117
- A Ponomarevite . . . . . K<sub>4</sub>Cu<sub>4</sub>OCl<sub>10</sub>  
Doklady Akademiia Nauk, SSSR (USSR) 300 (1988), 1197
- D Poonahlite . . . . . Na<sub>2</sub>Ca<sub>2</sub>Al<sub>6</sub>Si<sub>9</sub>O<sub>30</sub>•8H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Poonalite . . . . . Na<sub>2</sub>Ca<sub>2</sub>Al<sub>6</sub>Si<sub>9</sub>O<sub>30</sub>•8H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Portite . . . . . Na<sub>2</sub>(Al<sub>2</sub>Si<sub>3</sub>)O<sub>10</sub>•2H<sub>2</sub>O  
European Journal of Mineralogy 6 (1994), 351
- A Posnjakite . . . . . Cu<sub>4</sub>SO<sub>4</sub>(OH)<sub>6</sub>•H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 96 (1967), 58
- D Potash-aegirine . . . . . KFe<sup>3+</sup>Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- D Potash margarite . . . . . CaAl<sub>4</sub>Si<sub>2</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Potash mica . . . . . KAl<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Potassic-chloropargasite . . . . . (K, Na)Ca<sub>2</sub>(Mg, Fe<sup>2+</sup>)<sub>4</sub>Al(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(Cl, OH)<sub>2</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 131 (2002) (2), 58
- A Potassicferrisadanagaite . . . . . (K, Na)Ca<sub>2</sub>Fe<sub>3</sub><sup>2+</sup>Fe<sub>2</sub><sup>3+</sup>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 128 (1999) (4), 50
- A Potassic-fluorrichterite . . . . . (K, Na)(Ca, Na)<sub>2</sub>Mg<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(F, OH)<sub>2</sub>  
Atti Academia Nazionale dei Lincei, Rendiconti, Classe di Scienze Fisiche,  
Matematiche, e Naturali ser. 9, 3 (1992), 239
- A Potassicleakeite . . . . . KNa<sub>2</sub>Mg<sub>2</sub>Fe<sub>2</sub><sup>3+</sup>LiSi<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Journal of Mineralogical and Petrological Sciences (formerly Mineralogical  
Journal) 97 (2002), 177
- A Potassicpargasite . . . . . KCa<sub>2</sub>Mg<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>23</sub>  
Canadian Mineralogist 35 (1997), 1535
- D Potassium clinoptilolite . . . . . (K, Na, Ca)<sub>2-3</sub>(Si, Al)<sub>18</sub>O<sub>36</sub>•11H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Potosiite . . . . . Pb<sub>48</sub>Fe<sub>7</sub>Sn<sub>18</sub>Sb<sub>16</sub>S<sub>115</sub>  
Freiberger Forschungshefte 364 (1981), 113
- A Pottsite . . . . . PbBi(VO<sub>4</sub>)(VO<sub>3</sub>OH)•2H<sub>2</sub>O

- Mineralogical Magazine 52 (1988), 389
- A Poubaite . . . . .  $\text{PbBi}_2\text{Se}_2(\text{Te}, \text{S})_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1978), 9
- A Poudretteite . . . . .  $\text{KNa}_2\text{B}_3\text{Si}_{12}\text{O}_{30}$   
Canadian Mineralogist 25 (1987), 763
- A Poughite . . . . .  $\text{Fe}_2^{3+}(\text{Te}^{4+}\text{O}_3)_2\text{SO}_4 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 53 (1968), 1075
- R Povondraite . . . . .  $(\text{Na}, \text{K})(\text{Fe}^{3+}, \text{Mg})_3\text{Fe}_6^{3+}(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{O}, \text{OH})_4$   
American Mineralogist 78 (1993), 433
- A Poyarkovite . . . . .  $\text{Hg}_3\text{OCl}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 501
- D Pradetite . . . . .  $(\text{Cu}, \text{Co})_5(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2 \cdot 10\text{H}_2\text{O}$   
Archives des Sciences (Geneva) 48 (1995), 239
- D Prassoite . . . . .  $\text{Rh}_{17}\text{S}_{15}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 130 (2001) (2), 41
- D Pravdite . . . . .  $\text{Ce}, \text{Ca}, \text{Si}, \text{P}, \text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 93 (1964), 106
- D Pregrattite . . . . .  $\text{NaAl}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Preisingerite . . . . .  $\text{Bi}_3\text{O}(\text{AsO}_4)_2(\text{OH})$   
Fortschritte der Mineralogie Beih. 1 (1981), 15
- A Preiswerkite . . . . .  $\text{Na}(\text{Mg}, \text{Al})_3(\text{Si}_2\text{Al}_2)\text{O}_{10}(\text{OH})_2$   
American Mineralogist 65 (1980), 1134
- A Pretulite . . . . .  $\text{ScPO}_4$   
American Mineralogist 83 (1998), 625
- A Pringleite . . . . .  $\text{Ca}_9\text{B}_{26}\text{O}_{34}(\text{OH})_{24}\text{Cl}_4 \cdot 13\text{H}_2\text{O}$   
Canadian Mineralogist 31 (1993), 795
- D Priorite . . . . .  $(\text{Y}, \text{Ca}, \text{Fe}, \text{Th})(\text{Ti}, \text{Nb})_2(\text{O}, \text{OH})_6$   
American Mineralogist 51 (1966), 152
- D Prismatic schillerspar . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- R Prismatine . . . . .  $(\text{Mg}, \text{Al}, \text{Fe})_6\text{Al}_4(\text{Si}, \text{Al})_4(\text{B}, \text{Si}, \text{Al})(\text{O}, \text{OH}, \text{F})_{22}$   
Mineralogical Magazine 60 (1996), 483
- D Proarizonite . . . . .  $\text{Fe}, \text{Ti}, \text{O}$   
Mineralogical Magazine 36 (1967), 133
- A Prosperite . . . . .  $\text{CaZn}_2(\text{AsO}_4)_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 17 (1979), 87
- A Protasite . . . . .  $\text{Ba}(\text{UO}_2)_3\text{O}_3(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 50 (1986), 125
- D Protheite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Protoanthophyllite . . . . .  $(\text{Mg}, \text{Fe})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 88 (2003), 1718
- D Protoastrakhanite . . . . .  $\text{Na}_2\text{Mg}(\text{SO}_4)_2 \cdot 5\text{H}_2\text{O}$   
American Mineralogist 74 (1989), 1382
- D Protobastite . . . . .  $\text{MgSiO}_3$   
Mineralogical Magazine 52 (1988), 535
- A Protoferro-anthophyllite . . . . .  $(\text{Fe}^{2+}, \text{Mn})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
International Mineralogical Association, General Meeting Program Abstracts (1986), 241
- D Protolithionite . . . . .  $(\text{K}, \text{Li})(\text{Fe}, \text{Mg})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905

- A Protomangano-ferro-anthophyllite . . . . .  $(\text{Mn, Fe}^{2+})_2\text{Fe}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
**International Mineralogical Association, General Meeting Program Abstracts**  
**(1986), 241**
- D Protopartzite . . . . . Cu, Sb, O  
**Mineralogical Magazine 38 (1971), 103**
- A Proudite . . . . .  $\approx\text{Pb}_8\text{CuBi}_{10}(\text{S, Se})_{23}$   
**American Mineralogist 61 (1976), 839**
- D Pseudo-aenigmatite . . . . . Fe, Ti, Mg, Ca, Na, Al, Si  
**Mineralogical Magazine 36 (1968), 1144**
- D Pseudo-autunite . . . . .  $(\text{H}_3\text{O})_4\text{Ca}_2(\text{UO}_2)_2(\text{PO}_4)_4 \cdot 5\text{H}_2\text{O}$   
**Mineralogical Magazine 36 (1968), 1144**
- D Pseudobiotite . . . . . K, Mg, Fe, Al, Si, O,  $\text{H}_2\text{O}$  (?)  
**Canadian Mineralogist 36 (1998), 905**
- R Pseudobrookite . . . . .  $\text{Fe}_2^{3+}\text{TiO}_5$   
**American Mineralogist 73 (1988), 1377**
- D Pseudoglaucophane . . . . .  $\text{Na}_2(\text{Fe, Mg})_3(\text{Al, Fe}^{3+})_2\text{Si}_8\text{O}_{22}(\text{OH})_2$   
**American Mineralogist 63 (1978), 1023**
- A Pseudograndreefite . . . . .  $\text{Pb}_6(\text{SO}_4)\text{F}_{10}$   
**American Mineralogist 74 (1989), 927**
- D Pseudo-ixiolite . . . . .  $(\text{Ta, Nb, Sn, Fe, Mn})_4\text{O}_8$   
**Canadian Mineralogist 14 (1976), 540**
- D Pseudolaumontite . . . . . Ca, Al, Si, O,  $\text{H}_2\text{O}$   
**Canadian Mineralogist 35 (1997), 1571**
- D Pseudomesolite . . . . .  $\text{Na}_2\text{Ca}_2\text{Al}_6\text{Si}_9\text{O}_{30} \cdot 8\text{H}_2\text{O}$   
**Mineralogical Magazine 49 (1985), 103**
- D Pseudonatrolite . . . . .  $(\text{Ca, Na, K})(\text{Si, Al})_{12}\text{O}_{24} \cdot 7\text{H}_2\text{O}$   
**Mineralogical Magazine 33 (1962), 262**
- D Pseudophillipsite . . . . .  $(\text{K, Na, Ca})_2(\text{Si, Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
**Canadian Mineralogist 35 (1997), 1571**
- R Pseudorutile . . . . .  $\text{Fe}_2^{3+}\text{Ti}_3^{4+}\text{O}_9$   
**Mineralogical Magazine 58 (1994), 597**
- A Pseudosinhalite . . . . .  $\text{Mg}_2\text{Al}_3\text{B}_2\text{O}_9(\text{OH})$   
**Contributions to Mineralogy and Petrology 133 (1998), 382**
- A Pseudowollastonite . . . . .  $\text{CaSiO}_3$   
**Mineralogical Magazine 33 (1962), 263**
- D Psilomelane . . . . .  $(\text{Ba, H}_2\text{O})_2\text{Mn}_5\text{O}_{10}$   
**Mineralogical Magazine 46 (1982), 513**
- D Pterolite . . . . . K, Mg, Fe, Al, Si, O (?)  
**Canadian Mineralogist 36 (1998), 905**
- D Ptilolite . . . . .  $(\text{Ca, Na, K})(\text{Si, Al})_{12}\text{O}_{24} \cdot 7\text{H}_2\text{O}$   
**Canadian Mineralogist 35 (1997), 1571**
- D Pufferite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_{13}\text{O}_{36} \cdot 14\text{H}_2\text{O}$   
**Canadian Mineralogist 35 (1997), 1571**
- D Pufferite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_{13}\text{O}_{36} \cdot 14\text{H}_2\text{O}$   
**Canadian Mineralogist 35 (1997), 1571**
- D Pumpellyite . . . . .  $\text{Ca}_2(\text{Mg, Fe})\text{Al}_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
**Canadian Mineralogist 12 (1973), 219**
- A Pumpellyite-(Al) . . . . .  $\text{Ca}_2\text{Al}_3(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH, O})_2 \cdot \text{H}_2\text{O}$   
**Canadian Mineralogist 12 (1973), 219**
- A Pumpellyite-(Fe<sup>2+</sup>) . . . . .  $\text{Ca}_2\text{Fe}^{2+}\text{Al}_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
**Canadian Mineralogist 12 (1973), 219**
- A Pumpellyite-(Fe<sup>3+</sup>) . . . . .  $\text{Ca}_2(\text{Fe}^{3+}, \text{Mg})\text{Al}_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH, O})_2 \cdot \text{H}_2\text{O}$

- Canadian Mineralogist 12 (1973), 219
- R Pumpellyite-(Mg) . . . . .  $\text{Ca}_2\text{MgAl}_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 12 (1973), 219
- A Pumpellyite-(Mn<sup>2+</sup>) . . . . .  $\text{Ca}_2\text{Mn}^{2+}\text{Al}_2(\text{SiO}_4)(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Bulletin de Minéralogie 104 (1981), 396
- D Punahllite . . . . .  $\text{Na}_2\text{Ca}_2\text{Al}_6\text{Si}_9\text{O}_{30} \cdot 8\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Pushcharovskite . . . . .  $\text{K}_{0.6}\text{Cu}_{18}[\text{AsO}_2(\text{OH})_2]_4[\text{AsO}_3\text{OH}]_{10}(\text{AsO}_4)(\text{OH})_{9.6} \cdot 18.6\text{H}_2\text{O}$   
Archives des Sciences (Geneva) 50 (1997), 177
- A Putoranite . . . . .  $\text{Cu}_{1.1}\text{Fe}_{1.2}\text{S}_2$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 335
- A Pyatenkoite-(Y) . . . . .  $\text{Na}_5(\text{Y}, \text{Dy}, \text{Gd})(\text{Ti}, \text{Nb})\text{Si}_6\text{O}_{18} \cdot 6\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 125 (1996) (4), 72
- D Pycnophyllite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Pyknophyllit . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Pyralloite . . . . . Ca, Mg, Fe, Si, O  
Mineralogical Magazine 52 (1988), 535
- D Pyrgom . . . . . Ca, Mg, Fe, Si, O  
Mineralogical Magazine 52 (1988), 535
- A Pyrochlore . . . . .  $(\text{Ca}, \text{Na})_2\text{Nb}_2(\text{O}, \text{OH}, \text{F})_7$   
American Mineralogist 62 (1977), 403
- D Pyrochlore-microlite . . . . .  $(\text{Ca}, \text{Na})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$   
American Mineralogist 62 (1977), 403
- D Pyrochlore-wiikite . . . . . Ca, U, Nb, O  
American Mineralogist 62 (1977), 403
- A Pyrolusite . . . . .  $\text{MnO}_2$   
Mineralogical Magazine 46 (1982), 513
- g Pyrosmalite . . . . .  $(\text{Fe}^{2+}, \text{Mn})_8\text{Si}_6\text{O}_{15}(\text{OH}, \text{Cl})_{10}$   
Mineralogical Magazine 51 (1987), 174
- A Pyroxferroite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+}, \text{Ca})\text{SiO}_3$   
Apollo Eleventh Lunar Science Conference 1 (1970), 65
- D Pyrrhite . . . . .  $(\text{Ca}, \text{Na})_2(\text{Nb}, \text{Ta})_2\text{O}_6(\text{OH}, \text{F})$   
American Mineralogist 62 (1977), 403
- D Pyrrhoarsenite . . . . .  $(\text{Ca}, \text{Na})_3(\text{Mg}, \text{Mn})_2(\text{AsO}_4)_3$   
Geologiska Föreningens i Stockholm Förhandlingar 94 (1972), 423
- A Qandilite . . . . .  $(\text{Mg}, \text{Fe}^{2+})_2(\text{Ti}, \text{Fe}^{3+}, \text{Al})\text{O}_4$   
Mineralogical Magazine 49 (1985), 739
- A Qilianshanite . . . . .  $\text{NaH}_4(\text{CO}_3)(\text{BO}_3) \cdot 2\text{H}_2\text{O}$   
Acta Mineralogica Sinica (in Chinese) 13 (1993), 97
- A Qingheite . . . . .  $\text{Na}_2\text{NaMn}_2\text{Mg}_2(\text{Al}, \text{Fe})_2(\text{PO}_4)_6$   
Scientia Sinica (English Edition) B25 (1983), 876
- A Qitianlingite . . . . .  $(\text{Fe}^{2+}, \text{Mn}^{2+})_2(\text{Nb}, \text{Ta})_2\text{W}^{6+}\text{O}_{10}$   
Acta Mineralogica Sinica (in Chinese) 5 (1985), 193
- A Quadratite . . . . .  $\text{Ag}(\text{Cd}, \text{Pb})\text{AsS}_3$   
Schweizerische Mineralogische und Petrographische Mitteilungen 78 (1998), 489
- A Quadridavyne . . . . .  $(\text{Na}, \text{K})_6\text{Ca}_2(\text{AlSiO}_4)_6\text{Cl}_4$   
International Geological Congress, Program abstracts (1992), 672
- A Quadruphite . . . . .  $\text{Na}_{14}\text{Ca}_2\text{Ti}_4\text{O}_4(\text{Si}_2\text{O}_7)_2(\text{PO}_4)_4\text{F}_2$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (1), 105

- A Quartz . . . . . SiO<sub>2</sub>  
 Mineralogical Magazine 36 (1967), 134
- A Queitite . . . . . Zn<sub>2</sub>Pb<sub>4</sub>(SiO<sub>4</sub>)(Si<sub>2</sub>O<sub>7</sub>)(SO<sub>4</sub>)  
 Neues Jahrbuch für Mineralogie, Monatshefte (1979), 203
- A Quetzalcoatlite . . . . . Cu<sub>3</sub><sup>2+</sup>Zn<sub>6</sub>Te<sub>2</sub><sup>6+</sup>O<sub>12</sub>(OH)<sub>6</sub>•(Ag, Pb, □)Cl  
 Mineralogical Magazine 39 (1973), 261
- A Quintinite-2H . . . . . Mg<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>CO<sub>3</sub>•3H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1541
- A Quintinite-3T . . . . . Mg<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>CO<sub>3</sub>•3H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1541
- A Raadeite . . . . . Mg<sub>7</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>8</sub>  
 European Journal of Mineralogy 13 (2001), 319
- A Rabejacite . . . . . Ca(UO<sub>2</sub>)<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>•6H<sub>2</sub>O  
 European Journal of Mineralogy 5 (1993), 873
- D Rabenglimmer . . . . . K(Al, Fe, Li)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)F  
 Canadian Mineralogist 36 (1998), 905
- A Radhakrishnaite . . . . . PbTe<sub>3</sub>(Cl, S)<sub>2</sub>  
 Canadian Mineralogist 23 (1985), 501
- D Radiolite . . . . . Na<sub>2</sub>(Al<sub>2</sub>Si<sub>3</sub>)O<sub>10</sub>•2H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Radovanite . . . . . Cu<sub>2</sub>Fe<sup>3+</sup>AsO<sub>4</sub>AsO<sub>2</sub>(OH)<sub>2</sub>•H<sub>2</sub>O  
 Archives des Sciences (Geneva) 55 (2002), 47
- A Radtkeite . . . . . Hg<sub>3</sub>S<sub>2</sub>(Cl)I  
 American Mineralogist 76 (1991), 1715
- A Raguinite . . . . . TlFeS<sub>2</sub>  
 Bulletin de la Société Française de Minéralogie et de Cristallographie 92 (1969),  
 38
- A Raite . . . . . Na<sub>3</sub>Mn<sub>3</sub><sup>2+</sup>Ti<sub>0.25</sub>Si<sub>8</sub>O<sub>20</sub>(OH)<sub>2</sub>•10H<sub>2</sub>O  
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 54
- A Rajite . . . . . CuTe<sub>2</sub><sup>4+</sup>O<sub>5</sub>  
 Mineralogical Magazine 43 (1979), 91
- A Rambergite . . . . . MnS  
 Geologiska Föreningens i Stockholm Förhandlingar 118 (1996), A53
- A Rameauite . . . . . K<sub>2</sub>CaO<sub>8</sub>(UO<sub>2</sub>)<sub>6</sub>•9H<sub>2</sub>O  
 Mineralogical Magazine 38 (1972), 781
- A Ramsbeckite . . . . . (Cu, Zn)<sub>15</sub>(SO<sub>4</sub>)<sub>4</sub>(OH)<sub>22</sub>•6H<sub>2</sub>O  
 Neues Jahrbuch für Mineralogie, Monatshefte (1985), 550
- D Ranite . . . . . (Na, Ca)<sub>2</sub>Al<sub>2</sub>(Si, Al)<sub>3</sub>O<sub>10</sub>•2H<sub>2</sub>O  
 Canadian Mineralogist 35 (1997), 1571
- A Rankachite . . . . . CaFe<sup>2+</sup>(V<sup>5+</sup>, V<sup>3+</sup>)<sub>4</sub>O<sub>4</sub>(WO<sub>4</sub>)<sub>8</sub>•12H<sub>2</sub>O  
 Neues Jahrbuch für Mineralogie, Monatshefte (1984), 289
- A Rankamaite . . . . . (Na, K, Pb)(Ta, Nb, Al)<sub>4</sub>(O, OH)<sub>10</sub>  
 Geological Society of Finland, Bulletin 41 (1969), 47
- A Ranunculite . . . . . Al(UO<sub>2</sub>)(PO<sub>3</sub>OH)(OH)<sub>3</sub>•4H<sub>2</sub>O  
 Mineralogical Magazine 43 (1979), 321
- D Raphilite . . . . . Ca<sub>2</sub>Mg<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
 American Mineralogist 63 (1978), 1023
- D Raphsiderite . . . . . Fe<sub>2</sub>O<sub>3</sub>  
 Periodico di Mineralogia 36 (1967), 649
- A Rapidcreekite . . . . . Ca<sub>2</sub>(SO<sub>4</sub>)(CO<sub>3</sub>)•4H<sub>2</sub>O  
 Canadian Mineralogist 24 (1986), 51
- A Rappoldite . . . . . Pb(Co, Ni, Zn)<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>•2H<sub>2</sub>O



- Mineralogical Magazine 64 (2000), 1109
- A Raslakite . . . . .  $\text{Na}_{15}\text{Ca}_3\text{Fe}_3(\text{Na}, \text{Zr})_3\text{Zr}_3(\text{Si}, \text{Nb})\text{Si}_{25}\text{O}_{73}(\text{OH}, \text{H}_2\text{O})_3(\text{Cl}, \text{OH})$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (5), 22
- D Rastolyte . . . . .  $\text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 36 (1998), 905
- A Rasvumite . . . . .  $\text{KFe}_2\text{S}_3$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 99 (1970), 1121
- A Rauenthalite . . . . .  $\text{Ca}_3(\text{AsO}_4)_2 \cdot 10\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 87 (1964), 169
- A Ravatite . . . . .  $\text{C}_{14}\text{H}_{10}$   
European Journal of Mineralogy 5 (1993), 699
- A Rayite . . . . .  $(\text{Ag}, \text{Tl})_2\text{Pb}_8\text{Sb}_8\text{S}_{21}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1983), 296
- A Rectorite . . . . .  $(\text{Na}, \text{Ca})\text{Al}_4(\text{Si}, \text{Al})_8\text{O}_{20}(\text{OH})_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 133
- R Reddingite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})_3(\text{PO}_4)_2 \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 789
- A Redledgeite . . . . .  $\text{Ba}_x(\text{Cr}, \text{Fe}^{3+})_{2x}\text{Ti}_{8-2x}^{4+}\text{O}_{16}$   
Mineralogical Magazine 36 (1967), 132
- A Redondite . . . . .  $(\text{Al}, \text{Fe})(\text{PO}_4) \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 134
- A Reederite-(Y) . . . . .  $(\text{Na}, \text{Mn})_{15}(\text{Y}, \text{Ce})_2(\text{CO}_3)_9(\text{SO}_3\text{F})\text{Cl}$   
American Mineralogist 80 (1995), 1059
- A Reedmergnerite . . . . .  $\text{NaBSi}_3\text{O}_8$   
Mineralogical Magazine 33 (1962), 260
- A Reevesite . . . . .  $\text{Ni}_6\text{Fe}_2^{3+}\text{CO}_3(\text{OH})_{16} \cdot 4\text{H}_2\text{O}$   
American Mineralogist 52 (1967), 1190
- A Reichenbachite . . . . .  $\text{Cu}_5(\text{PO}_4)_2(\text{OH})_4$   
American Mineralogist 72 (1987), 404
- A Reidite . . . . .  $\text{ZrSiO}_4$   
American Mineralogist 87 (2002), 562
- A Reinhardbraunsite . . . . .  $\text{Ca}_5(\text{SiO}_4)_2(\text{OH}, \text{F})_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1983), 119
- D Reissite (of Fritsch) . . . . .  $(\text{Ca}, \text{Na})_{3.4}(\text{Al}_6\text{Si}_{18})\text{O}_{48} \cdot \approx 16\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Remondite-(Ce) . . . . .  $\text{Na}_3(\text{Ca}, \text{Ce}, \text{La}, \text{Na}, \text{Sr})_3(\text{CO}_3)_5$   
Comptes Rendus, Académie des Sciences (Paris) ser. II, 307 (1988), 915
- A Remondite-(La) . . . . .  $\text{Na}_3(\text{La}, \text{Ce}, \text{Ca})_3(\text{CO}_3)_5$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 129 (2000) (1), 53
- A Rengeite . . . . .  $\text{Sr}_4\text{Ti}_4\text{ZrO}_8(\text{Si}_2\text{O}_7)_2$   
Mineralogical Magazine 65 (2001), 111
- A Reppiaite . . . . .  $\text{Mn}_5^{2+}(\text{VO}_4)_2(\text{OH})_4$   
Zeitschrift für Kristallographie 201 (1992), 223
- D Retinostibian . . . . .  $\text{Mn}_6(\text{W}, \text{Mg})_2\text{Si}_2(\text{O}, \text{OH})_{14}$   
Mineralogical Magazine 43 (1980), 1053
- R Retzian-(Ce) . . . . .  $\text{Mn}_2^{2+}\text{CeAsO}_4(\text{OH})_4$   
American Mineralogist 67 (1982), 841
- A Retzian-(La) . . . . .  $(\text{Mn}^{2+}, \text{Mg})_2(\text{La}, \text{Ce}, \text{Nd})\text{AsO}_4(\text{OH})_4$   
Mineralogical Magazine 48 (1984), 533
- D Retzite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571

- A Revdite . . . . .  $\text{Na}_{16}\text{Si}_{16}\text{O}_{27}(\text{OH})_{26} \cdot 28\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **109 (1980), 566**
- D Revoredite . . . . .  $\text{PbAs}_4\text{S}_7$   
Mineralogical Magazine **33 (1962), 262**
- D Rézbányite (of Frenzel) . . . . .  $\text{Bi, S}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1994), **314**
- D Rezhikite . . . . .  $\text{Na}_2(\text{Mg, Fe}^{2+}, \text{Fe}^{3+})(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63 (1978), 1023**
- A Rhabdophane-(Ce) . . . . .  $(\text{Ce, La, Ca})\text{PO}_4 \cdot \text{H}_2\text{O}$   
American Mineralogist **72 (1987), 1031 (Appendix 2)**
- R Rhabdophane-(La) . . . . .  $(\text{La, Ce})\text{PO}_4 \cdot \text{H}_2\text{O}$   
American Mineralogist **72 (1987), 1031 (Appendix 2)**
- A Rhabdophane-(Nd) . . . . .  $(\text{Nd, Ce, La})\text{PO}_4 \cdot \text{H}_2\text{O}$   
American Mineralogist **51 (1966), 152**
- D Rhenium . . . . .  $\text{Re}$   
American Mineralogist **72 (1987), 1040 (Appendix 1)**
- D Rhodarsenian . . . . .  $\text{MnSiO}_3$   
Geologiska Föreningens i Stockholm Förhandlingar **94 (1972), 423**
- A Rhodarsenide . . . . .  $(\text{Rh, Pd})_2\text{As}$   
European Journal of Mineralogy **9 (1997), 1321**
- A Rhodium . . . . .  $\text{Rh}$   
Canadian Mineralogist **12 (1974), 399**
- A Rhodochrosite . . . . .  $\text{MnCO}_3$   
Mineralogical Magazine **33 (1962), 263**
- A Rhodonite . . . . .  $(\text{Mn, Fe, Mg, Ca})\text{SiO}_3$   
Mineralogical Magazine **43 (1980), 1054**
- A Rhodostannite . . . . .  $(\text{Cu, Ag})_2\text{FeSn}_3\text{S}_8$   
Mineralogical Magazine **36 (1968), 1045**
- A Rhodplumsite . . . . .  $\text{Rh}_3\text{Pb}_2\text{S}_2$   
Mineralogicheskii Zhurnal **5 (1983) (2), 87**
- D Rhodusite . . . . .  $\text{Na}_2(\text{Mg, Fe}^{2+}, \text{Fe}^{3+})(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63 (1978), 1023**
- D Rhombenglimmer . . . . .  $\text{K}(\text{Mg, Fe})_3(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Rhombic mica . . . . .  $\text{K}(\text{Mg, Fe})_3(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist **36 (1998), 905**
- D Rhombomagnojacobsite . . . . .  $(\text{Mn, Mg})(\text{Mn, Fe})_2\text{O}_4$   
Mineralogical Magazine **36 (1967), 133**
- A Ribbeite . . . . .  $(\text{Mn}^{2+}, \text{Mg})_5(\text{SiO}_4)_2(\text{OH})_2$   
American Mineralogist **72 (1987), 213**
- A Richelsdorfite . . . . .  $\text{Ca}_2\text{Cu}_5\text{Sb}^{5+}(\text{AsO}_4)_4(\text{OH})_6\text{Cl} \cdot 6\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1983), **145**
- R Riebeckite . . . . .  $(\square, \text{Na})_2(\text{Fe}^{2+}, \text{Fe}^{3+}, \text{Mg})_5\text{Si}_8\text{O}_{22}(\text{OH, F})_2$   
Canadian Mineralogist **35 (1997), 219**
- D Rijkeboerite . . . . .  $\text{Ba}(\text{Ta, Nb})_2(\text{O, OH})_7$   
American Mineralogist **62 (1977), 403**
- A Rimkorolgitite . . . . .  $(\text{Ba, Sr, Ca})(\text{Mg, Mn}^{2+})_5(\text{PO}_4)_4 \cdot 8\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **124 (1995) (1), 90**
- D Rimpylite . . . . .  $\text{Ca}_2(\text{Mg, Fe, Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist **63 (1978), 1023**
- A Ringwoodite . . . . .  $(\text{Mg, Fe})_2\text{SiO}_4$   
Nature **221 (1969), 943**

- A Rinmanite . . . . .  $Mg_2Fe_4Zn_2Sb_2O_{14}(OH)_2$   
Canadian Mineralogist 39 (2001), 1675
- A Rittmannite . . . . .  $(Mn^{2+}, Ca)Mn^{2+}(Fe^{2+}, Mn^{2+}, Mg)_2(Al, Fe^{3+})_2(PO_4)_4(OH)_2 \cdot 8H_2O$   
Canadian Mineralogist 27 (1989), 447
- A Rivadavite . . . . .  $Na_6Mg[B_6O_7(OH)_6]_4 \cdot 10H_2O$   
American Mineralogist 52 (1967), 326
- A Roaldite . . . . .  $(Fe, Ni)_4N$   
Lunar and Planetary Sciences 12 (1981), 112
- A Robertsite . . . . .  $Ca_2Mn_3^{3+}O_2(PO_4)_3 \cdot 3H_2O$   
American Mineralogist 59 (1974), 48
- A Rodalquilarite . . . . .  $H_3Fe_2^{3+}(Te^{4+}O_3)_4Cl$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 91 (1968), 28
- A Rodolicoite . . . . .  $Fe^{3+}PO_4$   
European Journal of Mineralogy 9 (1997), 1101
- A Roedderite . . . . .  $(Na, K)_2(Mg, Fe)_5Si_{12}O_{30}$   
American Mineralogist 51 (1966), 949
- D Rogersite . . . . .  $YPO_4 \cdot 2H_2O$   
American Mineralogist 48 (1963), 1168
- A Roggianite . . . . .  $Ca_2BeAl_2Si_4O_{13}(OH)_2 \cdot nH_2O (n < 2.5)$   
Rendiconti, Società Italiana di Mineralogia e Petrologia 25 (1969), 105
- A Rohaite . . . . .  $(Tl, Pb, K)_2Cu_{8.7}Sb_2S_4$   
Bulletin Grønlands Geologiske Undersøgelse [Denmark] 126 (1978), 23
- A Rokühnite . . . . .  $FeCl_2 \cdot 2H_2O$   
Neues Jahrbuch für Mineralogie, Monatshefte (1980), 125
- A Rollandite . . . . .  $Cu_3(AsO_4)_2 \cdot 4H_2O$   
European Journal of Mineralogy 12 (2000), 1045
- A Romanèchite . . . . .  $(Ba, H_2O)_2(Mn^{4+}, Mn^{3+})_5O_{10}$   
Mineralogical Magazine 46 (1982), 513
- A Romarchite . . . . .  $SnO$   
Canadian Mineralogist 10 (1971), 916
- A Rondorfite . . . . .  $Ca_8Mg(SiO_4)_4Cl_2$   
Neues Jahrbuch für Mineralogie, Abhandlungen 179 (2004), 265
- A Ronneburgite . . . . .  $K_2MnV_4O_{12}$   
American Mineralogist 86 (2001), 1081
- A Röntgenite-(Ce) . . . . .  $Ca_2(Ce, La)_3(CO_3)_5F_3$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Roquesite . . . . .  $CuInS_2$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 86 (1963), 7
- A Rorisite . . . . .  $CaClF$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 119 (3) (1990), 73
- A Roscoelite . . . . .  $K(V^{3+}, Al, Mg)_2(Si, Al)_4O_{10}(OH)_2$   
Canadian Mineralogist 36 (1998), 905
- D Roseite . . . . .  $Os, Ir, S$   
Mineralogical Magazine 38 (1971), 103
- A Rosemaryite . . . . .  $(Na, Mn^{2+}, Ca, \square)_2(Mn^{2+}, Fe^{3+}, Fe^{2+})_2(Fe^{3+}, Al)(PO_4)_3$   
Mineralogical Magazine 43 (1979), 227
- A Rosenbergite . . . . .  $AlF[F_{0.5}(H_2O)_{0.5}]_4 \cdot H_2O$   
European Journal of Mineralogy 5 (1993), 1167
- A Rosenhahnite . . . . .  $Ca_3Si_3O_8(OH)_2$   
American Mineralogist 52 (1967), 336

- A Roshchinite . . . . . (Ag, Cu)<sub>19</sub>Pb<sub>10</sub>(Sb, As)<sub>51</sub>S<sub>96</sub>  
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **119 (1990) (5), 32**
- A Rosiaite . . . . . PbSb<sub>2</sub>O<sub>6</sub>  
*European Journal of Mineralogy* **8 (1996), 487**
- A Rossmannite . . . . . (□, Na)(Al, Li)<sub>3</sub>Al<sub>6</sub>(Si<sub>6</sub>O<sub>18</sub>)(BO<sub>3</sub>)<sub>3</sub>(OH)<sub>4</sub>  
*American Mineralogist* **83 (1998), 896**
- R Rostite . . . . . AlSO<sub>4</sub>(OH, F) • 5H<sub>2</sub>O  
*Mineralogical Magazine* **52 (1988), 133**
- A Rouaite . . . . . Cu<sub>2</sub>NO<sub>3</sub>(OH)<sub>3</sub>  
*Riviéra Scientifique* **85 (2001), 3**
- A Roubaultite . . . . . Cu<sub>2</sub>O<sub>2</sub>(UO<sub>2</sub>)<sub>3</sub>(CO<sub>3</sub>)<sub>2</sub>(OH)<sub>2</sub> • 4H<sub>2</sub>O  
*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93 (1970), 550**
- A Rouseite . . . . . Pb<sub>2</sub>Mn<sup>2+</sup>(AsO<sub>3</sub>)<sub>2</sub> • 2H<sub>2</sub>O  
*American Mineralogist* **71 (1986), 1034**
- A Routhierite . . . . . (Tl, Cu, Ag)HgAsS<sub>3</sub>  
*Bulletin de la Société Française de Minéralogie et de Cristallographie* **97 (1974), 48**
- A Rouvilleite . . . . . Na<sub>3</sub>Ca(Mn, Ca)(CO<sub>3</sub>)<sub>3</sub>F  
*Canadian Mineralogist* **29 (1991), 107**
- A Rowlandite-(Y) . . . . . Fe<sup>2+</sup>Y<sub>4</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>2</sub>F<sub>2</sub>  
*American Mineralogist* **72 (1987), 1031 (Appendix 2)**
- A Roxbyite . . . . . Cu<sub>1.78</sub>S  
*Mineralogical Magazine* **52 (1988), 323**
- D Royite . . . . . SiO<sub>2</sub>  
*American Mineralogist* **47 (1962), 1223**
- R Rozenite . . . . . Fe<sup>2+</sup>SO<sub>4</sub> • 4H<sub>2</sub>O  
*Canadian Mineralogist* **7 (1963), 751**
- D Rubellan . . . . . K, Mg, Fe, Al, Si, O  
*Canadian Mineralogist* **36 (1998), 905**
- A Rubicline . . . . . (Rb, K)AlSi<sub>3</sub>O<sub>8</sub>  
*American Mineralogist* **83 (1998), 1335**
- A Rucklidgeite . . . . . (Bi, Pb)<sub>3</sub>Te<sub>4</sub>  
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106 (1977), 62**
- A Ruitenbergit . . . . . Ca<sub>9</sub>B<sub>26</sub>O<sub>34</sub>(OH)<sub>24</sub>Cl<sub>4</sub> • 13H<sub>2</sub>O  
*Canadian Mineralogist* **31 (1993), 795**
- A Ruizite . . . . . Ca<sub>2</sub>Mn<sub>2</sub><sup>3+</sup>Si<sub>4</sub>O<sub>11</sub>(OH)<sub>4</sub> • 2H<sub>2</sub>O  
*Mineralogical Magazine* **41 (1977), 429**
- A Rusakovite . . . . . (Fe, Al)<sub>5</sub>(VO<sub>4</sub>, PO<sub>4</sub>)<sub>2</sub>(OH)<sub>9</sub> • 3H<sub>2</sub>O  
*Mineralogical Magazine* **33 (1962), 261**
- A Rustenburgit . . . . . Pt<sub>3</sub>Sn  
*Canadian Mineralogist* **13 (1975), 146**
- A Rustumite . . . . . Ca<sub>10</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>2</sub>(SiO<sub>4</sub>)(OH)<sub>2</sub>Cl<sub>2</sub>  
*Mineralogical Magazine* **34 (1965), 1**
- A Ruthenarsenite . . . . . (Ru, Ni)As  
*Canadian Mineralogist* **12 (1974), 280**
- R Rutheniridosmine . . . . . (Ir, Os, Ru)  
*Canadian Mineralogist* **29 (1991), 231**
- D Rutheniridosmium . . . . . Ru, Ir, Os  
*Canadian Mineralogist* **29 (1991), 231**
- A Ruthenium . . . . . Ru  
*Mineralogical Journal (Tokyo)* **7 (1974), 438**

- D Ruthenosmiridium . . . . . (Ir, Os, Ru)  
Canadian Mineralogist 29 (1991), 231
- A Rutherfordine (of Marckwald) . . . . . (UO<sub>2</sub>)CO<sub>3</sub>  
Mineralogical Magazine 33 (1962), 262
- D Rutherfordite . . . . . UO<sub>2</sub>CO<sub>3</sub>  
Mineralogical Magazine 43 (1980), 1053
- A Rynersonite . . . . . Ca(Ta, Nb)<sub>2</sub>O<sub>6</sub>  
American Mineralogist 63, (1978), 709
- A Sabatierite . . . . . Cu<sub>6</sub>TlSe<sub>4</sub>  
Bulletin de Minéralogie 101 (1978), 557
- A Sabelliite . . . . . (Cu, Zn)<sub>2</sub>Zn(As, Sb)O<sub>4</sub>(OH)<sub>3</sub>  
European Journal of Mineralogy 7 (1995), 1325
- A Sabieite . . . . . NH<sub>4</sub>Fe<sup>3+</sup>(SO<sub>4</sub>)<sub>2</sub>  
Annals Geological Survey of South Africa 17 (1983), 29
- A Sabinaite . . . . . Na<sub>4</sub>TiZr<sub>2</sub>O<sub>4</sub>(CO<sub>3</sub>)<sub>4</sub>  
Canadian Mineralogist 18 (1980), 25
- A Sacrofanite . . . . . (Na, Ca)<sub>9</sub>(Si, Al)<sub>12</sub>O<sub>24</sub>(OH, SO<sub>4</sub>)<sub>4</sub>•nH<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Abhandlungen 140 (1980), 102
- R Sadanagaite . . . . . (Na, K)Ca<sub>2</sub>(Fe<sup>2+</sup>, Mg, Fe<sup>3+</sup>, Al)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Saddlebackite . . . . . Pb<sub>2</sub>Bi<sub>2</sub>Te<sub>2</sub>S<sub>3</sub>  
Australian Journal of Mineralogy 3 (1997), 119
- A Sahamalite-(Ce) . . . . . (Ce, La, Nd)<sub>2</sub>(Mg, Fe)(CO<sub>3</sub>)<sub>4</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Sahlite . . . . . CaMg(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Sailaufite . . . . . (Ca, Na, □)<sub>2</sub>Mn<sub>3</sub><sup>3+</sup>O<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>CO<sub>3</sub>•3H<sub>2</sub>O  
European Journal of Mineralogy 15 (2003), 555
- A Sainfeldite . . . . . Ca<sub>5</sub>(AsO<sub>4</sub>)<sub>2</sub>(AsO<sub>3</sub>OH)<sub>2</sub>•4H<sub>2</sub>O  
Bulletin de la Société Française de Minéralogie et de Cristallographie 87 (1964), 169
- A Sakhaite . . . . . Ca<sub>3</sub>Mg(BO<sub>3</sub>)<sub>2</sub>(CO<sub>3</sub>)•nH<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 95 (1966), 193
- A Sakuraiite . . . . . (Cu, Zn, Fe, In, Sn)S  
Chigaku Kenkyu (in Japanese) Sakurai Vol. (1965), 1
- A Saliotite . . . . . (Li, Na)Al<sub>3</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(OH)<sub>5</sub>  
European Journal of Mineralogy 6 (1994), 897
- D Salite . . . . . CaMg(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- D Salmonsite . . . . . Ca, Mn, Fe, PO<sub>4</sub>, H<sub>2</sub>O  
Mineralogical Magazine 42 (1978), 309
- A Salzburgite . . . . . Cu<sub>1.6</sub>Pb<sub>1.6</sub>Bi<sub>6.4</sub>S<sub>12</sub>  
Canadian Mineralogist 40 (2002), 849
- A Samarskite-(Y) . . . . . (Y, Ce, U, Fe, Nb)(Nb, Ta, Ti)O<sub>4</sub>  
Mineralogical Magazine 43 (1980), 1054
- A Samfowlerite . . . . . Ca<sub>14</sub>Mn<sub>3</sub><sup>2+</sup>Zn<sub>2</sub>(Be, Zn)<sub>2</sub>Be<sub>6</sub>Si<sub>14</sub>O<sub>52</sub>(OH, F)<sub>6</sub>  
Canadian Mineralogist 32 (1994), 43
- D Samiresite . . . . . (U, Ca, Pb)<sub>2</sub>(Nb, Ta)<sub>2</sub>O<sub>6</sub>(OH, F)  
American Mineralogist 62 (1977), 403
- A Samuelsonite . . . . . (Ca, Ba)<sub>9</sub>(Mn<sup>2+</sup>, Fe<sup>2+</sup>)<sub>4</sub>Al<sub>2</sub>(PO<sub>4</sub>)<sub>10</sub>(OH)<sub>2</sub>  
American Mineralogist 60 (1975), 957
- D Sandbergite (of Readwin) . . . . . (K, Ba)Al<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>

- Canadian Mineralogist 36 (1998), 905
- A Saneroite . . . . .  $\text{Na}_2(\text{Mn}^{2+}, \text{Mn}^{3+})_{10}\text{V}^{5+}\text{Si}_{11}\text{O}_{34}(\text{OH})_4$   
Neues Jahrbuch für Mineralogie, Monatshefte (1981), 161
- D Sangarite . . . . . K, Mg, Fe, Al, Si, O  
Mineralogical Magazine 36 (1967), 133
- A Sanjuanite . . . . .  $\text{Al}_2(\text{PO}_4)(\text{SO}_4)(\text{OH}) \cdot 9\text{H}_2\text{O}$   
American Mineralogist 53 (1968), 1
- A Santabarbaraite . . . . .  $\text{Fe}_3^{3+}(\text{PO}_4)_2(\text{OH})_3 \cdot 5\text{H}_2\text{O}$   
European Journal of Mineralogy 15 (2003), 185
- A Santaclaraite . . . . .  $\text{CaMn}_4^{2+}\text{Si}_5\text{O}_{14}(\text{OH})_2 \cdot \text{H}_2\text{O}$   
American Mineralogist 66 (1981), 154
- A Santanaite . . . . .  $\text{Pb}_{11}\text{CrO}_{16}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1972), 455
- A Santite . . . . .  $\text{KB}_5\text{O}_6(\text{OH})_4 \cdot 2\text{H}_2\text{O}$   
Contributions to Mineralogy and Petrology 27 (1970), 159
- A Sarabauite . . . . .  $\text{CaSb}_{10}^{3+}\text{O}_{10}\text{S}_6$   
American Mineralogist 63 (1978), 715
- D Sarcollite (of Vauquelin) . . . . .  $\text{Na}_4(\text{Al}_4\text{Si}_8)\text{O}_{24} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Sarospatakite . . . . .  $(\text{K}, \text{H}_3\text{O})\text{Al}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{H}_2\text{O}, \text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Saryarkite-(Y) . . . . .  $\text{Ca}(\text{Y}, \text{Th})\text{Al}_5(\text{SiO}_4)_2(\text{PO}_4)_2(\text{OH})_7 \cdot 6\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Sasaite . . . . .  $(\text{Al}, \text{Fe}^{3+})_6(\text{PO}_4, \text{SO}_4)_5(\text{OH})_3 \cdot 36\text{H}_2\text{O}$   
Mineralogical Magazine 42 (1978), 401
- D Sasbachite . . . . .  $(\text{K}, \text{Na}, \text{Ca})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O} (?)$   
Canadian Mineralogist 35 (1997), 1571
- D Saspachite . . . . .  $(\text{K}, \text{Na}, \text{Ca})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O} (?)$   
Canadian Mineralogist 35 (1997), 1571
- A Satimolite . . . . .  $\text{KNa}_2\text{Al}_4(\text{B}_2\text{O}_5)_3\text{Cl}_3 \cdot 13\text{H}_2\text{O}$   
Trudy Mineralogicheskogo Muzeya Akademiyi Nauk SSSR 19 (1969), 121
- A Satpaevite . . . . .  $\text{Al}_{12}\text{V}_8\text{O}_{37} \cdot 30\text{H}_2\text{O} (?)$   
Mineralogical Magazine 33 (1962), 260
- A Satterlyite . . . . .  $(\text{Fe}^{2+}, \text{Mg}, \text{Fe}^{3+})_{12}(\text{PO}_3\text{OH})(\text{PO}_4)_5(\text{OH}, \text{O})_6$   
Canadian Mineralogist 16 (1978), 411
- D Savite . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Sayrite . . . . .  $\text{Pb}_2(\text{UO}_2)_5\text{O}_6(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
Bulletin de Minéralogie 106 (1983), 299
- A Sazhinite-(Ce) . . . . .  $\text{Na}_2\text{CeSi}_6\text{O}_{14}(\text{OH}) \cdot 6\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 338
- A Sazykinaite-(Y) . . . . .  $(\text{Na}, \text{K})_5\text{Y}(\text{Zr}, \text{Ti}, \text{Nb})\text{Si}_6\text{O}_{18} \cdot 6\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 122 (1993) (5), 76
- A Scainiite . . . . .  $\text{Pb}_{14}\text{Sb}_{30}\text{S}_{54}\text{O}_5$   
European Journal of Mineralogy 11 (1999), 949
- D Scale stone . . . . .  $\text{K}(\text{Li}, \text{Al})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{F}, \text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Scandiobabingtonite . . . . .  $(\text{Ca}, \text{Na})_2(\text{Fe}^{2+}, \text{Mn})(\text{Sc}, \text{Fe}^{3+})\text{Si}_5\text{O}_{14}(\text{OH})$   
American Mineralogist 83 (1998), 1330
- D Schabasit . . . . .  $(\text{Ca}, \text{K}, \text{Na})(\text{Si}, \text{Al})_3\text{O}_6 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571

- A Schachnerite . . . . . Ag<sub>1.1</sub>Hg<sub>0.9</sub>  
Neues Jahrbuch für Mineralogie, Abhandlungen 117 (1972), 1
- A Schäferite . . . . . NaCa<sub>2</sub>Mg<sub>2</sub>(VO<sub>4</sub>)<sub>3</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1999), 123
- R Schapbachite . . . . . AgBiS<sub>2</sub>  
Mineralogical Magazine 46 (1982), 513
- D Schefferite . . . . . (Ca, Mg, Mn)SiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- D Scheibeite . . . . . Pb<sub>2</sub>CrO<sub>5</sub>  
American Mineralogist 56 (1971), 359
- D Schernikite . . . . . KAl<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Scheteligite . . . . . (Ca, U)<sub>2</sub>(Ti, Nb, Ta)<sub>2</sub>(O, OH)<sub>7</sub> (?)  
American Mineralogist 62 (1977), 403
- A Schiavinatoite . . . . . (Nb, Ta)BO<sub>4</sub>  
European Journal of Mineralogy 13 (2001), 159
- A Schieffelinite . . . . . Pb(Te, S)<sub>2</sub>O<sub>4</sub>•H<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 771
- D Schillerspar . . . . . Mg, Fe, Si, O  
Mineralogical Magazine 52 (1988), 535
- D Schillerspat . . . . . Ca, Mg, Fe, Si, O  
Mineralogical Magazine 52 (1988), 535
- A Schlemaite . . . . . (Cu, Ag)<sub>6</sub>(Pb, Bi)Se<sub>4</sub>  
Canadian Mineralogist 41 (2003), 1433
- R Schlossmacherite . . . . . (H<sub>3</sub>O, Ca)Al<sub>3</sub>(SO<sub>4</sub>, AsO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
American Mineralogist 72 (1987), 178
- D Schneiderite . . . . . Pb<sub>2</sub>Cu<sub>2</sub>Se<sub>2</sub>O<sub>7</sub>(OH)<sub>4</sub>  
Mineralogical Magazine 43 (1980), 1054
- A Schmitterite . . . . . (UO<sub>2</sub>)Te<sup>4+</sup>O<sub>3</sub>  
American Mineralogist 56 (1971), 411
- A Schneebergite . . . . . Bi(Co, Ni)<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>(OH, H<sub>2</sub>O)<sub>2</sub>  
European Journal of Mineralogy 14 (2002), 115
- A Schneiderhöhnite . . . . . Fe<sup>2+</sup>Fe<sub>3</sub><sup>3+</sup>As<sub>5</sub><sup>3+</sup>O<sub>13</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1973), 517
- D Schneiderite . . . . . CaAl<sub>2</sub>Si<sub>4</sub>O<sub>12</sub>•4H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Schoderite . . . . . Al<sub>2</sub>(PO<sub>4</sub>)(VO<sub>4</sub>)•8H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 261
- A Schoenfliesite . . . . . MgSn(OH)<sub>6</sub>  
Zeitschrift für Kristallographie 134 (1971), 116
- D Schoenite . . . . . K<sub>2</sub>Mg(SO<sub>4</sub>)<sub>2</sub>•6H<sub>2</sub>O  
American Mineralogist 72 (1987), 1031
- A Schoepite . . . . . (UO<sub>2</sub>)<sub>8</sub>O<sub>2</sub>(OH)<sub>12</sub>•12H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 262
- A Schöllhornite . . . . . Na<sub>0.3</sub>CrS<sub>2</sub>•H<sub>2</sub>O  
American Mineralogist 70 (1985), 638
- D Schönite . . . . . K<sub>2</sub>Mg(SO<sub>4</sub>)<sub>2</sub>•6H<sub>2</sub>O  
American Mineralogist 72 (1987), 1031
- A Schoonerite . . . . . ZnMn<sup>2+</sup>Fe<sub>2</sub><sup>2+</sup>Fe<sup>3+</sup>(PO<sub>4</sub>)<sub>3</sub>(OH)<sub>2</sub>•9H<sub>2</sub>O  
American Mineralogist 62 (1977), 246
- D Schorl blanc . . . . . KAlSi<sub>2</sub>O<sub>6</sub>  
Canadian Mineralogist 35 (1997), 1571

- A Schreyerite . . . . .  $V_2^{3+}Ti_3^{4+}O_9$   
Naturwissenschaften 63 (1976), 293
- A Schubnelite . . . . .  $Fe^{3+}V^{5+}O_4 \cdot H_2O$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 93 (1970),  
470
- D Schuchardtite . . . . .  $Mg, Al, Si, O, H_2O$   
American Mineralogist 64 (1979), 1334
- A Schuetteite . . . . .  $Hg_3O_2(SO_4)$   
Mineralogical Magazine 33 (1962), 260
- A Schulingite-(Nd) . . . . .  $CuPb(Nd, Gd, Sm, Y)(CO_3)_3(OH) \cdot 1.5H_2O$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Schulenbergite . . . . .  $(Cu, Zn)_7(SO_4, CO_3)_2(OH)_{10} \cdot 3H_2O$   
Neues Jahrbuch für Mineralogie, Monatshefte (1984), 17
- D Schulzenite . . . . .  $(Co, Cu)O(OH)$   
Mineralogical Magazine 33 (1962), 253
- A Schumacherite . . . . .  $Bi_3O(VO_4, AsO_4, PO_4)_2(OH)$   
Tscherma's Mineralogische und Petrographische Mitteilungen 31 (1983), 165
- D Schuppenstein . . . . .  $K(Li, Al)_3(Si, Al)_4O_{10}(F, OH)_2$   
Canadian Mineralogist 36 (1998), 905
- A Schwertmannite . . . . .  $Fe_{16}^{3+}O_{16}(OH)_{9.6}(SO_4)_{3.2} \cdot 10H_2O$   
Mineralogical Magazine 58 (1994), 641
- A Sciarite . . . . .  $(Zn, Mg, Mn)_4Zn_3(CO_3)_2(OH)_{10}$   
American Mineralogist 74 (1989), 1355
- A Scolecite . . . . .  $Ca(Si_3Al_2)O_{10} \cdot 3H_2O$   
Canadian Mineralogist 35 (1997), 1571
- D Scolesite . . . . .  $CaAl_2Si_3O_{10} \cdot 3H_2O$   
Canadian Mineralogist 35 (1997), 1571
- D Scolezit . . . . .  $CaAl_2Si_3O_{10} \cdot 3H_2O$   
Canadian Mineralogist 35 (1997), 1571
- A Scotlandite . . . . .  $PbS^{4+}O_3$   
Mineralogical Magazine 48 (1984), 283
- D Scoulerite . . . . .  $NaCa_2Al_5Si_5O_{20} \cdot 6H_2O$   
Canadian Mineralogist 35 (1997), 1571
- A Scrutinyite . . . . .  $PbO_2$   
Canadian Mineralogist 26 (1988), 905
- D Sebesite . . . . .  $Ca_2Mg_5Si_8O_{22}(OH)_2$   
American Mineralogist 63 (1978), 1023
- A Sederholmite . . . . .  $NiSe$   
Mineralogical Magazine 36 (1967), 132
- A Sedovite . . . . .  $U^{4+}(MoO_4)_2$   
Mineralogical Magazine 36 (1968), 1144
- D Seebachite . . . . .  $(Ca, K, Na)(Si, Al)_3O_6 \cdot 3H_2O$   
Canadian Mineralogist 35 (1997), 1571
- A Seeligerite . . . . .  $Pb_3O(IO_3)Cl_3$   
Neues Jahrbuch für Mineralogie, Monatshefte (1971), 210
- A Seelite . . . . .  $Mg(UO_2)_2(AsO_3, AsO_4)_2 \cdot 7H_2O$   
Mineralogical Record 24 (1993), 463
- A Segelerite . . . . .  $CaMgFe^{3+}(PO_4)_2(OH) \cdot 4H_2O$   
American Mineralogist 59 (1974), 48
- A Segnitite . . . . .  $PbFe_3^{3+}(AsO_3OH)_2(OH)_6$   
American Mineralogist 77 (1992), 656
- A Seidite-(Ce) . . . . .  $Na_4(Ce, Sr)_2TiSi_8O_{18}(O, OH, F)_6 \cdot 5H_2O$



- Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 127 (1998) (4), 94
- A Seinäjokite . . . . . (Fe, Ni)(Sb, As)<sub>2</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 105 (1976), 617
- A Sekaninaite . . . . . (Fe, Mg)<sub>2</sub>Al<sub>4</sub>Si<sub>5</sub>O<sub>18</sub>  
Scripta Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis,  
Geologia 1, no. 5 (1975), 21
- D Seladonite . . . . . CaAl<sub>2</sub>Si<sub>3</sub>O<sub>10</sub> • 3H<sub>2</sub>O  
Canadian Mineralogist 36 (1998), 905
- D Selenjoseite . . . . . Bi<sub>4</sub>Se<sub>2</sub>S  
Canadian Mineralogist 7 (1963), 677
- A Selenostephanite . . . . . Ag<sub>5</sub>Sb(Se, S)<sub>4</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 627
- D Selen-tellurium . . . . . (Se, Te) (?)  
American Mineralogist 76 (1991), 257
- A Selwynite . . . . . NaK(Be, Al, Ca, Mn)Zr<sub>2</sub>(PO<sub>4</sub>)<sub>4</sub> • 2H<sub>2</sub>O  
Canadian Mineralogist 33 (1995), 55
- A Semenovite-(Ce) . . . . . (Na, Ca)<sub>9</sub>Fe<sup>2+</sup>(Ce, La)<sub>2</sub>(Si, Be)<sub>20</sub>(O, OH, F)<sub>48</sub>  
Lithos 5 (1972), 163
- A Senegalite . . . . . Al<sub>2</sub>PO<sub>4</sub>(OH)<sub>3</sub> • H<sub>2</sub>O  
Lithos 9 (1976), 165
- D Septetalc-chlorite . . . . . (Mg, Al, Mn, Zn, Fe)<sub>3</sub>(Si, Al)<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub>  
Neues Jahrbuch für Mineralogie, Abhandlungen 123 (1975), 111
- A Sergeevite . . . . . Ca<sub>2</sub>Mg<sub>11</sub>(CO<sub>3</sub>)<sub>9</sub>(HCO<sub>3</sub>)<sub>4</sub>(OH)<sub>4</sub> • 6H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 217
- D Sericite . . . . . K, Al, Si, O  
Canadian Mineralogist 36 (1998), 905
- A Serrabrancaite . . . . . MnPO<sub>4</sub> • H<sub>2</sub>O  
American Mineralogist 85 (2000), 847
- A Sewardite . . . . . CaFe<sub>2</sub><sup>3+</sup>(AsO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 40 (2002), 1191
- D Seybertite . . . . . CaMg<sub>2</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Shabaite-(Nd) . . . . . Ca(Nd, Sm, Y)<sub>2</sub>(UO<sub>2</sub>)(CO<sub>3</sub>)<sub>4</sub>(OH)<sub>2</sub> • 6H<sub>2</sub>O  
European Journal of Mineralogy 1 (1989), 85
- A Shabynite . . . . . Mg<sub>5</sub>BO<sub>3</sub>(OH)<sub>5</sub>(Cl, OH)<sub>2</sub> • 4H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 569
- D Shachialite . . . . . Ce, Sr, Ti, S, O  
American Mineralogist 72 (1987), 1031
- A Shadlunite . . . . . (Fe, Cu)<sub>8</sub>(Pb, Cd)<sub>8</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 63
- A Shafranovskite . . . . . (Na, K)<sub>6</sub>(Mn<sup>2+</sup>, Fe<sup>2+</sup>)<sub>3</sub>Si<sub>9</sub>O<sub>24</sub> • 6H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 475
- A Shakhovite . . . . . Hg<sub>4</sub><sup>1+</sup>Sb<sup>5+</sup>O<sub>3</sub>(OH)<sub>3</sub>  
Geologiya i Geofizika (in Russian) (1980) (11), 128
- A Shannonite . . . . . Pb<sub>2</sub>O(CO<sub>3</sub>)  
Mineralogical Magazine 59 (1995), 305
- R Shattuckite . . . . . Cu<sub>5</sub>(SiO<sub>3</sub>)<sub>4</sub>(OH)<sub>2</sub>  
Mineralogical Abstracts 19 (1968), 221
- A Shcherbinaite . . . . . V<sub>2</sub>O<sub>5</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 101 (1972), 464
- A Sheldrickite . . . . . NaCa<sub>3</sub>(CO<sub>3</sub>)<sub>2</sub>F<sub>3</sub> • H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 181

- D Shentulite . . . . . Th, Si, O  
Mineralogical Magazine 33 (1962), 261
- D Shepardite (of Rose) . . . . . MgSiO<sub>3</sub>  
Mineralogical Magazine 52 (1988), 535
- A Shibkovite . . . . . K(Ca, Mn, Na)<sub>2</sub>(K, □)<sub>2</sub>Zn<sub>3</sub>Si<sub>12</sub>O<sub>30</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 127 (1998) (4), 89
- A Shigaite . . . . . NaAl<sub>3</sub>Mn<sub>6</sub><sup>2+</sup>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>18</sub>•12H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1985), 453
- D Shilkinite . . . . . K(Al, Fe)<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Shirokshinite . . . . . K(Mg<sub>2</sub>Na)Si<sub>4</sub>O<sub>10</sub>F<sub>2</sub>  
European Journal of Mineralogy 15 (2003), 447
- A Shirozulite . . . . . KMn<sub>3</sub><sup>2+</sup>(Si<sub>3</sub>Al)O<sub>10</sub>(OH, F)<sub>2</sub>  
American Mineralogist 89 (2004), 232
- A Shkatulkalite . . . . . Na<sub>10</sub>(Mn, Ca, Sr)Ti<sub>3</sub>Nb<sub>3</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>6</sub>(OH)<sub>2</sub>F•12H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 125 (1996) (1), 120
- A Shomiokite-(Y) . . . . . Na<sub>3</sub>(Y, Dy)(CO<sub>3</sub>)<sub>3</sub>•3H<sub>2</sub>O  
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (6), 129
- A Shuangfengite . . . . . (Ir, Pt)Te<sub>2</sub>  
Acta Mineralogica Sinica (in Chinese) 14 (4) (1994), 322
- A Shuiskite . . . . . Ca<sub>2</sub>MgCr<sub>2</sub>(SiO<sub>4</sub>)(Si<sub>2</sub>O<sub>7</sub>)(OH)<sub>2</sub>•H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 508
- A Sicherite . . . . . TlAg<sub>2</sub>(As, Sb)<sub>3</sub>S<sub>6</sub>  
American Mineralogist 86 (2001), 1087
- D Siderischer-fels-glimmer . . . . . K(Li, Al)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(F, OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Siderite . . . . . FeCO<sub>3</sub>  
Mineralogical Magazine 33 (1962), 263
- A Siderophyllite . . . . . K<sub>2</sub>(Fe<sup>2+</sup>, Al)<sub>6</sub>(Si, Al)<sub>8</sub>O<sub>20</sub>(OH)<sub>4</sub>  
Canadian Mineralogist 36 (1998), 905
- D Siderose . . . . . FeCO<sub>3</sub>  
Mineralogical Magazine 33 (1962), 263
- R Siderotil . . . . . (Fe, Cu)SO<sub>4</sub>•5H<sub>2</sub>O  
Canadian Mineralogist 7 (1963), 751
- A Sidorenkite . . . . . Na<sub>3</sub>Mn(PO<sub>4</sub>)(CO<sub>3</sub>)  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 108 (1979), 56
- A Sidpietersite . . . . . Pb<sub>4</sub><sup>2+</sup>(S<sub>2</sub>O<sub>3</sub>)O<sub>2</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 37 (1999), 1269
- A Sidwillite . . . . . MoO<sub>3</sub>•2H<sub>2</sub>O  
Bulletin de Minéralogie 108 (1985), 813
- A Sieleckiite . . . . . Cu<sub>3</sub>Al<sub>4</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>12</sub>•2H<sub>2</sub>O  
Mineralogical Magazine 52 (1988), 515
- A Sigismundite . . . . . (Ba, K, Pb)Na<sub>3</sub>(Ca, Sr)(Fe<sup>2+</sup>, Mg)<sub>14</sub>Al(OH)<sub>2</sub>(PO<sub>4</sub>)<sub>12</sub>  
Canadian Mineralogist 34 (1996), 827
- A Sigloite . . . . . Fe<sup>3+</sup>Al<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>3</sub>•7H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 132
- D Silbölite . . . . . Ca<sub>2</sub>(Mg, Fe)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Silfbergite . . . . . (Mn, Fe, Mg)<sub>7</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Silhydrite . . . . . Si<sub>3</sub>O<sub>6</sub>•H<sub>2</sub>O  
American Mineralogist 57 (1972), 1053

- D Silicate-wiikite . . . . . U, Nb, Ca, Si, O  
American Mineralogist 62 (1977), 403
- D Silicic edenite . . . . .  $\text{NaCa}_2(\text{Mg, Fe, Mn})_5(\text{Si}_7\text{Al})\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Silicic ferro-edenite . . . . .  $\text{NaCa}_2(\text{Fe, Mg})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- D Silicomanganberzeliite . . . . .  $(\text{Ca, Mn})_3(\text{Mg, Mn})_2(\text{AsO}_4, \text{SiO}_4)_3$   
Mineralogical Magazine 36 (1968), 1144
- D Silicomonazite . . . . .  $(\text{Ce, La, Nd})(\text{PO}_4, \text{SiO}_4)$   
Mineralogical Magazine 43 (1980), 1055
- A Silicon . . . . . Si  
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 262 (1982), 163
- D Silicorhabdophane . . . . .  $(\text{Ce, La, Ca})(\text{PO}_4, \text{SiO}_4) \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 133
- A Silinaite . . . . .  $\text{NaLiSi}_2\text{O}_5 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 29 (1991), 359
- D Sillbölite . . . . .  $\text{Ca}_2(\text{Mg, Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Silvialite . . . . .  $\text{Ca}_4\text{Al}_6\text{Si}_6\text{O}_{24}(\text{SO}_4)$   
Mineralogical Magazine 63 (1999), 321
- A Simferite . . . . .  $\text{Li}(\text{Mg, Fe}^{3+}, \text{Mn}^{3+})_2(\text{PO}_4)_2$   
Soviet Physics, Doklady 34 (1989), 669
- A Simmonsite . . . . .  $\text{Na}_2\text{LiAlF}_6$   
American Mineralogist 84 (1999), 769
- A Simonite . . . . .  $\text{TiHgAs}_3\text{S}_6$   
Zeitschrift für Kristallographie 161 (1982), 159
- A Simonkollite . . . . .  $\text{Zn}_5(\text{OH})_8\text{Cl}_2 \cdot \text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1985), 145
- D Simpsonite (of Wade & Prior) . . . . .  $(\text{Na, K})_2\text{Ca}(\text{Mg, Fe, Ti})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Sinjarite . . . . .  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 643
- A Sinkankasite . . . . .  $\text{Mn}^{2+}\text{Al}(\text{PO}_3\text{OH})_2(\text{OH}) \cdot 6\text{H}_2\text{O}$   
American Mineralogist 69 (1984), 380
- A Sinnerite . . . . .  $\text{Cu}_6\text{As}_4\text{S}_9$   
Schweizerische Mineralogische und Petrographische Mitteilungen 44 (1964), 439
- A Sinoite . . . . .  $\text{Si}_2\text{N}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- D Sismondite . . . . .  $(\text{Mg, Fe})\text{Al}_2\text{O}(\text{SiO}_4)(\text{OH})_2$   
European Journal of Mineralogy 4 (1992), 67
- A Sitinakite . . . . .  $\text{KNa}_2\text{Ti}_4\text{Si}_2\text{O}_{13}(\text{OH}) \cdot 4\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 121 (1992) (1), 94
- D Sjögruvite . . . . .  $(\text{Ca, Na, Pb})_3(\text{Mn, Mg, Fe}^{3+})_4(\text{AsO}_4)_4$   
Geologiska Föreningens i Stockholm Förhandlingar 94 (1972), 423
- A Skinnerite . . . . .  $\text{Cu}_3\text{SbS}_3$   
American Mineralogist 59 (1974), 889
- A Skippenite . . . . .  $\text{Bi}_2\text{Se}_2\text{Te}$   
Canadian Mineralogist 25 (1987), 625
- D Skolezit . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Skolite . . . . .  $(\text{K, Na})(\text{Fe, Al, Mg})_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$

- Canadian Mineralogist 36 (1998), 905
- D Slavyanskite . . . . .  $\text{NaCa}_2\text{Al}_4(\text{CO}_3)_4(\text{OH})_8\text{Cl}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 96
- A Slawsonite . . . . .  $(\text{Sr}, \text{Ca})\text{Al}_2\text{Si}_2\text{O}_8$   
American Mineralogist 62 (1977), 31
- D Sloanite . . . . .  $\text{CaAl}_2\text{Si}_4\text{O}_{12} \cdot 4\text{H}_2\text{O}$  (?)  
Canadian Mineralogist 35 (1997), 1571
- D Smaragdite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Smaragditic grammatite . . . . .  $\text{Ca}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Smaragditic tschermakite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Smirnite . . . . .  $\text{Bi}_2^{3+}\text{Te}^{4+}\text{O}_5$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 278 (1984), 137
- A Smrkovecite . . . . .  $\text{Bi}_2\text{O}(\text{OH})\text{PO}_4$   
Neues Jahrbuch für Mineralogie, Monatshefte (1996), 97
- D Snaiderite . . . . .  $\text{CaAl}_2\text{Si}_4\text{O}_{12} \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Sobolevite . . . . .  $\text{Na}_{11}(\text{Na}, \text{Ca})_4(\text{Mg}, \text{Mn})\text{Ti}_4(\text{Si}_2\text{O}_7)_2(\text{PO}_4)_4\text{O}_3\text{F}_3$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 456
- A Sobolevskite . . . . .  $\text{PdBi}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104 (1975), 568
- D Sobotkite . . . . .  $(\text{Ca}, \text{Na})_{0.3}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031
- D Soda . . . . .  $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$   
Mineralogical Magazine 43 (1980), 1053
- D Soda asbestos . . . . .  $\text{Na}_3(\text{Mg}, \text{Fe})_4\text{Fe}^{3+}\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Soda-chabazite . . . . .  $\text{Na}_4(\text{Al}_4\text{Si}_8)\text{O}_{24} \cdot 11\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Soda glauconite . . . . .  $(\text{K}, \text{Na})(\text{Fe}, \text{Al}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Soda hornblende . . . . .  $\text{Na}_3\text{Fe}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Soda margarite . . . . .  $\text{Na}, \text{Li}, \text{Ca}, \text{Al}, \text{Si}, \text{O}$   
Canadian Mineralogist 36 (1998), 905
- D Soda mesotype . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Soda mica . . . . .  $\text{NaAl}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Soda niter . . . . .  $\text{NaNO}_3$   
Mineralogical Magazine 43 (1980), 1053
- D Soda nitre . . . . .  $\text{NaNO}_3$   
Mineralogical Magazine 43 (1980), 1053
- D Soda richterite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe}, \text{Mn})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Soda-spodumene . . . . .  $(\text{Li}, \text{Na})\text{AlSi}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- D Soda tremolite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023

- A Sodicanthophyllite . . . . . (Na, □)Mg<sub>7</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Sodic-ferri-clinoferroholmquistite . . . . . Na<sub>0.5</sub>Li<sub>2</sub>(Fe<sup>3+</sup>, Fe<sup>2+</sup>, Mg, Li, Al)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH, F)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Sodic-ferri-ferropedrize . . . . . (Na, □)Li<sub>2</sub>(Fe<sup>3+</sup>, Fe<sup>2+</sup>, Mg, Li, Al)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH, F)<sub>2</sub>  
Canadian Mineralogist 41 (2003), 1345
- A Sodic-ferripedrize . . . . . NaLi<sub>2</sub>Fe<sub>2</sub><sup>3+</sup>(Mg<sub>2</sub>Li)Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 85 (2000), 578
- A Sodic-ferro-anthophyllite . . . . . (Na, □)Fe<sub>7</sub><sup>2+</sup>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Sodic-ferrogedrite . . . . . Na(Fe, Mg)<sub>5</sub>Al<sub>2</sub>(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Sodic-ferropedrize . . . . . NaLi<sub>2</sub>(LiFe<sub>2</sub><sup>2+</sup>Fe<sup>3+</sup>Al)Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 41 (2003), 1355
- A Sodicgedrite . . . . . Na(Mg, Fe)<sub>5</sub>Al<sub>2</sub>(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Sodicpedrize . . . . . NaLi<sub>2</sub>(LiMg<sub>2</sub>Fe<sup>3+</sup>Al)Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 41 (2003), 1355
- D Sodium-anthophyllite . . . . . Na(Mg, Fe)<sub>7</sub>(Si<sub>7</sub>Al)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Sodium betpakdalite . . . . . (Na, Ca)<sub>3</sub>Fe<sub>2</sub><sup>3+</sup>(As<sub>2</sub>O<sub>4</sub>)(MoO<sub>4</sub>)<sub>6</sub>•15H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 100 (1971), 603
- D Na brittle mica . . . . . NaMg<sub>2</sub>Al<sub>3</sub>Si<sub>2</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Sodium dachiardite . . . . . Na<sub>4</sub>(Si<sub>20</sub>Al<sub>4</sub>)O<sub>48</sub>•13H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Na-eastonite . . . . . NaMg<sub>2</sub>Al<sub>3</sub>Si<sub>2</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Sodium-gedrite . . . . . Na(Mg, Fe)<sub>6</sub>Al(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- D Sodium gedrite . . . . . Na(Mg, Fe)<sub>5</sub>Al<sub>2</sub>(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- D Sodium illite . . . . . (Na, H<sub>3</sub>O)(Al, Mg, Fe)<sub>2</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Sodium-pharmacosiderite . . . . . (Na, K)Fe<sub>4</sub><sup>3+</sup>(AsO<sub>4</sub>)<sub>3</sub>(OH)<sub>4</sub>•7H<sub>2</sub>O  
Mineralogical Record 16 (1985), 121
- D Sodium phlogopite . . . . . NaMg<sub>3</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(OH)<sub>2</sub>  
American Mineralogist 72 (1987), 1031
- A Sodium-zippeite . . . . . Na<sub>5</sub>(UO<sub>2</sub>)<sub>8</sub>(SO<sub>4</sub>)<sub>4</sub>O<sub>5</sub>(OH)<sub>3</sub>•12H<sub>2</sub>O  
Canadian Mineralogist 14 (1976), 429
- A Sofite . . . . . Zn<sub>2</sub>(Se<sup>4+</sup>O<sub>3</sub>)Cl<sub>2</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 118 (1) (1989), 65
- A Sogdianite . . . . . (□, Na)<sub>2</sub>KLi<sub>3</sub>(Zr, Ti, Fe, Al)<sub>2</sub>Si<sub>12</sub>O<sub>30</sub>  
Mineralogical Magazine 38 (1971), 103
- A Söhngeite . . . . . Ga(OH)<sub>3</sub>  
Naturwissenschaften 52 (1965), 493
- D Sokolovite . . . . . (Ca, Sr)Al<sub>4</sub>PO<sub>4</sub>(OH)<sub>11</sub>  
Mineralogical Magazine 33 (1962), 261
- R Solanite . . . . . Ca<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>2</sub>•H<sub>2</sub>O  
Mineralogical Magazine 36 (1968), 1144
- A Solongoite . . . . . Ca<sub>2</sub>B<sub>3</sub>O<sub>4</sub>(OH)<sub>4</sub>Cl  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 117

- D Sommaite . . . . .  $\text{KAlSi}_2\text{O}_6$   
Canadian Mineralogist 35 (1997), 1571
- A Sonolite . . . . .  $(\text{Mn}^{2+}, \text{Mg}, \text{Zn})_9(\text{SiO}_4)_4(\text{OH}, \text{F})_2$   
Mineralogical Magazine 36 (1967), 132
- A Sonoraite . . . . .  $\text{Fe}^{3+}\text{Te}^{4+}\text{O}_3(\text{OH}) \cdot \text{H}_2\text{O}$   
American Mineralogist 53 (1968), 1828
- A Sopcheite . . . . .  $\text{Ag}_4\text{Pd}_3\text{Te}_4$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 114
- A Sorbyite . . . . .  $\text{Pb}_{19}(\text{Sb}, \text{As})_{20}\text{S}_{49}$   
Canadian Mineralogist 9 (1967), 191
- A Sørensenite . . . . .  $\text{Na}_4\text{Be}_2\text{Sn}(\text{Si}_3\text{O}_9)_2 \cdot 2\text{H}_2\text{O}$   
Meddelelser om Grønland 181 (1965) no. 1
- D Soretite . . . . .  $\text{NaCa}_2(\text{Mg}, \text{Fe})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Sorosite . . . . .  $\text{Cu}(\text{Sn}, \text{Sb})$   
American Mineralogist 83 (1998), 901
- A Sosedkoite . . . . .  $(\text{K}, \text{Na})(\text{Ta}, \text{Al}, \text{Nb})_4\text{O}_{10}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 264 (1982), 133
- A Součekite . . . . .  $\text{CuPbBi}(\text{S}, \text{Se})_3$   
Neues Jahrbuch für Mineralogie, Monatshefte (1979), 289
- D Spangite . . . . .  $(\text{K}, \text{Na}, \text{Ca})_2(\text{Si}, \text{Al})_8\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Spencite . . . . .  $(\text{Y}, \text{Ca}, \text{Ce})_5(\text{Si}, \text{B}, \text{Al})_3(\text{O}, \text{OH})_{13}$   
American Mineralogist 51 (1966), 152
- A Spertiniite . . . . .  $\text{Cu}(\text{OH})_2$   
Canadian Mineralogist 19 (1981), 337
- A Spessartine . . . . .  $\text{Mn}_3^{2+}\text{Al}_2(\text{SiO}_4)_3$   
Mineralogical Magazine 38 (1971), 103
- D Spessartite . . . . .  $\text{Mn}_3\text{Al}_2(\text{SiO}_4)_3$   
Mineralogical Magazine 43 (1980), 1053
- D Speziatite . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- R Sphaerobrandite . . . . .  $\text{Be}_3\text{SiO}_4(\text{OH})_2$   
European Journal of Mineralogy 15 (2003), 157
- A Sphaerobismoite . . . . .  $\text{Bi}_2\text{O}_3$   
Aufschluss 46 (1995), 245
- D Sphaerocobaltite . . . . .  $\text{CoCO}_3$   
Mineralogical Magazine 43 (1980), 1053
- D Sphaerodesmine . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Sphaerostilbite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Sphalerite . . . . .  $\text{ZnS}$   
Mineralogical Magazine 43 (1980), 1053
- D Sphene . . . . .  $\text{CaTiSiO}_5$   
Mineralogical Magazine 46 (1982), 513
- A Spheniscidite . . . . .  $(\text{NH}_4, \text{K})(\text{Fe}^{3+}, \text{Al})_2(\text{PO}_4)_2(\text{OH}) \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 50 (1986), 291
- A Spherocobaltite . . . . .  $\text{CoCO}_3$   
Mineralogical Magazine 43 (1980), 1053
- A Spionkopite . . . . .  $\text{Cu}_{1.32}\text{S}$

- Canadian Mineralogist 18 (1980), 511
- A Spiroffite . . . . .  $(\text{Mn}^{2+}, \text{Zn})_2\text{Te}_3^4\text{O}_8$   
Mineralogical Magazine 36 (1967), 132
- D Spodiophyllite . . . . . Na, K, Mg, Fe, Al, Si, O  
Canadian Mineralogist 36 (1998), 905
- A Spodumene . . . . .  $\text{LiAlSi}_2\text{O}_6$   
Canadian Mineralogist 27 (1989), 143
- D Spreustein . . . . .  $\text{Na}_2(\text{Al}_2\text{Si}_3)\text{O}_{10} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Spriggite . . . . .  $\text{Pb}_3(\text{UO}_2)_6\text{O}_8(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 89 (2004), 339
- A Springcreekite . . . . .  $\text{BaV}_3^{3+}(\text{PO}_4)_2(\text{OH}, \text{H}_2\text{O})_6$   
Neues Jahrbuch für Mineralogie, Monatshefte (1999), 529
- D Squawcreekite . . . . .  $(\text{Fe}^{3+}, \text{Sb}^{5+}, \text{Sn}^{4+}, \text{Ti})\text{O}_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1991), 363
- A Srebrodolskite . . . . .  $\text{Ca}_2\text{Fe}_2^{3+}\text{O}_5$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 195
- A Srilankite . . . . .  $(\text{Ti}, \text{Zr})\text{O}_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1983), 151
- A Stalderite . . . . .  $\text{TlCu}(\text{Zn}, \text{Fe}, \text{Hg})_2\text{As}_2\text{S}_6$   
Schweizerische Mineralogische und Petrographische Mitteilungen 75 (1995), 337
- A Stančkite . . . . .  $\text{Fe}^{3+}(\text{Mn}, \text{Fe}^{2+}, \text{Mg})\text{O}(\text{PO}_4)$   
European Journal of Mineralogy 9 (1997), 475
- A Stanfieldite . . . . .  $\text{Ca}_7(\text{Ca}, \text{Mg})_2(\text{Mg}, \text{Fe}^{2+})_9(\text{PO}_4)_{12}$   
Science 158 (1967), 910
- A Stanleyite . . . . .  $\text{V}^{4+}\text{O}(\text{SO}_4) \cdot 6\text{H}_2\text{O}$   
Mineralogical Magazine 45 (1982), 163
- D Stannoluzonite . . . . .  $(\text{Cu}, \text{Sn})_3\text{AsS}_4$   
Mineralogical Magazine 36 (1967), 133
- R Stannomicrolite . . . . .  $(\text{Sn}, \text{Fe}, \text{Mn}, \square)_2(\text{Ta}, \text{Nb}, \text{Sn})_2(\text{O}, \text{OH}, \text{F})_7$   
American Mineralogist 62 (1977), 403
- D Staringite . . . . . Sn, Fe, Nb, O  
Mineralogical Magazine 58 (1994), 271
- R Starkeyite . . . . .  $\text{MgSO}_4 \cdot 4\text{H}_2\text{O}$   
Mineralogical Record 6 (1975), 144
- D Staubrobarite . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Steacyite . . . . .  $\text{K}_{0.3}(\text{Na}, \text{Ca})_2\text{ThSi}_8\text{O}_{20}$   
Canadian Mineralogist 20 (1982), 59
- D Steeleite . . . . .  $(\text{Ca}, \text{Na}, \text{K})(\text{Si}, \text{Al})_{12}\text{O}_{24} \cdot 7\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Steelit . . . . .  $(\text{Ca}, \text{Na}, \text{K})(\text{Si}, \text{Al})_{12}\text{O}_{24} \cdot 7\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Steenstrupine-(Ce) . . . . .  $\text{Na}_{14}\text{Ce}_6\text{Mn}_2^{2+}\text{Fe}_2^{3+}\text{Zr}(\text{PO}_4)_7\text{Si}_{12}\text{O}_{36}(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Stellerycie . . . . .  $\text{CaAl}_2\text{Si}_7\text{O}_{18} \cdot 7\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Stellerite . . . . .  $\text{Ca}_4(\text{Si}_{28}\text{Al}_8)\text{O}_{72} \cdot 28\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Stenhuggarite . . . . .  $\text{CaFe}^{3+}\text{Sb}^{3+}\text{As}_2^{3+}\text{O}_7$   
Arkiv för Mineralogi och Geologi 5 (1970), 55

- A Stenonite . . . . .  $\text{Sr}_2\text{Al}(\text{CO}_3)\text{F}_5$   
 Mineralogical Magazine 36 (1967), 132
- A Stepanovite . . . . .  $\text{NaMgFe}^{3+}(\text{C}_2\text{O}_4)_3 \cdot 8\text{-}9\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 132
- A Sterlinghillite . . . . .  $\text{Mn}_3^{2+}(\text{AsO}_4)_2 \cdot 4\text{H}_2\text{O}$   
 American Mineralogist 66 (1981), 182
- D Sterlingite (of Cooke) . . . . .  $\text{KAl}_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Sterretite . . . . .  $\text{ScPO}_4 \cdot 2\text{H}_2\text{O}$   
 American Mineralogist 72 (1987), 1031
- A Sterryite . . . . .  $(\text{Pb, Ag})_{12}(\text{Sb, As})_{12}\text{S}_{29}$   
 Canadian Mineralogist 9 (1967), 191
- A Stibarsen . . . . .  $\text{SbAs}$   
 Mineralogical Magazine 46 (1982), 513
- A Stibiobetafite . . . . .  $(\text{Ca, Sb, } \square)_2(\text{Ti, Nb, Ta})_2(\text{O, OH})_7$   
 Canadian Mineralogist 17 (1979), 583
- A Stibiocolusite . . . . .  $\text{Cu}_{13}\text{V}(\text{Sb, Sn, As})_3\text{S}_{16}$   
 Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
 Sections 324 (1992), 145
- D Stibiodufrénoysite . . . . .  $\text{Pb, Sb, As, S}$   
 Mineralogical Magazine 38 (1971), 103
- R Stibiomicrolite . . . . .  $(\text{Sb, Ca, Na})_2(\text{Ta, Nb})_2(\text{O, OH, F})_7$   
 Geologiska Föreningens i Stockholm Förhandlingar 109 (1987), 1050
- A Stibiopalladinite . . . . .  $\text{Pd}_5\text{Sb}_2$   
 Mineralogical Magazine 43 (1980), 1054
- D Stibiopearceite . . . . .  $(\text{Ag, Cu})_{16}(\text{Sb, As})_2\text{S}_{11}$   
 American Mineralogist 72 (1987), 1031
- A Stibivanite . . . . .  $\text{Sb}_2^{3+}\text{V}^{4+}\text{O}_5$   
 Canadian Mineralogist 18 (1980), 329
- D Stilbite anamorphique . . . . .  $(\text{Na, Ca})_3(\text{Si, Al})_{18}\text{O}_{36} \cdot 12\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Stilbite-Ca . . . . .  $(\text{Ca}_{0.5}, \text{Na, K})_5(\text{Si, Al})_{36}\text{O}_{72} \cdot 30\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Stilbite-Na . . . . .  $(\text{Na, Ca})_5(\text{Si, Al})_{36}\text{O}_{72} \cdot 30\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- D Stilbite (of many German authors) . . . . .  $(\text{Na, Ca})_3(\text{Si, Al})_{18}\text{O}_{36} \cdot 12\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Stillwaterite . . . . .  $\text{Pd}_8\text{As}_3$   
 Canadian Mineralogist 13 (1975), 321
- A Stillwellite-(Ce) . . . . .  $(\text{Ce, La, Ca})\text{BSiO}_5$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Stilpnochlorane . . . . .  $\text{Na, Fe, Al, Si, O, H}_2\text{O}$   
 Canadian Mineralogist 36 (1998), 905
- A Stilpnomelane . . . . .  $(\text{K, Ca, Na})(\text{Fe, Mg, Al})_8(\text{Si, Al})_{12}(\text{O, OH})_{36} \cdot n\text{H}_2\text{O}$   
 Mineralogical Magazine 38 (1971), 103
- D Stipoverite . . . . .  $\text{SiO}_2$   
 Mineralogical Magazine 36 (1967), 133
- A Stishovite . . . . .  $\text{SiO}_2$   
 Mineralogical Magazine 36 (1967), 132
- A Stistaite . . . . .  $\text{SnSb}$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 99 (1970), 68
- A Stoiberite . . . . .  $\text{Cu}_5\text{O}_2(\text{VO}_4)_2$



- American Mineralogist 64 (1979), 941
- A Stoppaniite . . . . .  $\text{NaFe}_3^{3+}(\text{Mg}, \text{Fe}^{2+})\text{Be}_6\text{Si}_{12}\text{O}_{36} \cdot 2\text{H}_2\text{O}$   
European Journal of Mineralogy 10 (1998), 491
- A Straczekite . . . . .  $(\text{Ca}, \text{K}, \text{Ba})\text{V}_8\text{O}_{20} \cdot 3\text{H}_2\text{O}$   
Mineralogical Magazine 48 (1984), 289
- D Strahlstein . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Strakhovite . . . . .  $\text{NaBa}_3(\text{Mn}^{2+}, \text{Mn}^{3+})_4[\text{Si}_4\text{O}_{10}(\text{OH})_2][\text{Si}_2\text{O}_7]\text{O}_2 \cdot (\text{F}, \text{OH}) \cdot \text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 123 (1994) (4), 94
- D Strakonitzite . . . . .  $\text{Ca}, \text{Mg}, \text{Fe}, \text{Si}, \text{O}$   
Mineralogical Magazine 52 (1988), 535
- A Stranskiite . . . . .  $\text{CuZn}_2(\text{AsO}_4)_2$   
Mineralogical Magazine 33 (1962), 261
- A Strashimirite . . . . .  $\text{Cu}_4(\text{AsO}_4)_2(\text{OH})_2 \cdot 2.5\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 97 (1968), 470
- A Strätlingite . . . . .  $\text{Ca}_2\text{Al}(\text{Si}, \text{Al})_2\text{O}_2(\text{OH})_{10} \cdot 2.25\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1976), 326
- D Stratopeite . . . . .  $(\text{Mn}, \text{Fe}, \text{Mg})\text{SiO}_3 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 42 (1978), 279
- D Strelite . . . . .  $\text{Ca}, \text{Mg}, \text{Fe}, \text{Si}, \text{O}, \text{OH}$   
American Mineralogist 63 (1978), 1023
- A Strelkinite . . . . .  $\text{Na}_2(\text{UO}_2)_2(\text{VO}_4)_2 \cdot 6\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 576
- A Stringhamite . . . . .  $\text{CaCuSiO}_4 \cdot \text{H}_2\text{O}$   
American Mineralogist 61 (1976), 189
- A Stronalsite . . . . .  $\text{Na}_2\text{SrAl}_4\text{Si}_4\text{O}_{16}$   
Mineralogical Journal (Tokyo) 13 (1987), 368
- D Strontioborite . . . . .  $\text{SrB}_8\text{O}_{11}(\text{OH})_4$   
Mineralogical Magazine 33 (1962), 261
- A Strontiochevkinite . . . . .  $(\text{Sr}, \text{Ce}, \text{La})_4\text{Fe}^{2+}(\text{Ti}, \text{Zr})_4\text{O}_8(\text{Si}_2\text{O}_7)_2$   
Contributions to Mineralogy and Petrology 84 (1983), 365
- A Strontiodresserite . . . . .  $(\text{Sr}, \text{Ca})\text{Al}_2(\text{CO}_3)_2(\text{OH})_4 \cdot \text{H}_2\text{O}$   
Canadian Mineralogist 15 (1977), 405
- D Strontiohilgardite . . . . .  $(\text{Ca}, \text{Sr})_2\text{B}_5(\text{O}, \text{Cl})_{10} \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 46 (1982), 514
- D Strontiohilgardite-1Tc . . . . .  $(\text{Ca}, \text{Sr})_2\text{B}_5\text{O}_8(\text{OH})_2\text{Cl}$   
Mineralogical Magazine 33 (1962), 261
- A Strontiojoaquinite . . . . .  $(\text{Na}, \text{Fe})_2\text{Ba}_2\text{Sr}_2\text{Ti}_2(\text{SiO}_3)_8(\text{O}, \text{OH})_2 \cdot \text{H}_2\text{O}$   
American Mineralogist 67 (1982), 809
- A Strontiomelane . . . . .  $(\text{Sr}, \text{Ba}, \text{K})\text{Mn}_8\text{O}_{16}$   
Canadian Mineralogist 37 (1999), 673
- A Strontio-orthojoaquinite . . . . .  $\text{Na}(\text{Ba}, \text{Sr})_4\text{Fe}^{3+}\text{Ti}_2\text{Si}_8\text{O}_{24}(\text{OH})_4$   
Mineralogical Journal (Tokyo) 7 (1974), 395
- A Strontio Piemontite . . . . .  $\text{CaSr}(\text{Al}, \text{Mn}^{3+}, \text{Fe})_3(\text{SiO}_4)_2(\text{Si}_2\text{O}_7)(\text{O}, \text{OH})_2$   
European Journal of Mineralogy 2 (1990), 519
- A Strontio whitlockite . . . . .  $\text{Sr}_9\text{Mg}(\text{PO}_3\text{OH})(\text{PO}_4)_6$   
Canadian Mineralogist 29 (1991), 87
- D Strontium-heulandite . . . . .  $(\text{Na}, \text{Sr}, \text{Ca})_3(\text{Si}, \text{Al})_{18}\text{O}_{36} \cdot 12\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- D Strontium thomsonite . . . . .  $\text{Na}(\text{Ca}, \text{Sr})_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1968), 1144

- A Studenitsite . . . . .  $\text{NaCa}_2\text{B}_9\text{O}_{14}(\text{OH})_4 \cdot 2\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 124 (1995) (3), 57
- A Stumpflite . . . . .  $\text{Pt}(\text{Sb}, \text{Bi})$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 95 (1972), 610
- A Sturmanite . . . . .  $\text{Ca}_6\text{Fe}_2^{3+}(\text{SO}_4)_2[\text{B}(\text{OH})_4](\text{OH})_{12} \cdot 25\text{H}_2\text{O}$   
Canadian Mineralogist 21 (1983), 705
- R Stützite . . . . .  $\text{Ag}_{5-x}\text{Te}_3$  ( $x = 0.24-0.36$ )  
American Mineralogist 49 (1964), 325
- A Suanite . . . . .  $\text{Mg}_2\text{B}_2\text{O}_5$   
Mineralogical Magazine 36 (1967), 134
- D Subglaucophane . . . . .  $\text{Na}_2(\text{Fe}, \text{Mg})_3(\text{Al}, \text{Fe}^{3+})_2\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Sudburyite . . . . .  $(\text{Pd}, \text{Ni})\text{Sb}$   
Canadian Mineralogist 12 (1974), 275
- A Sudoite . . . . .  $\text{Mg}_2(\text{Al}, \text{Fe})_3(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_8$   
Canadian Mineralogist 27 (1989), 633
- A Sudovikovite . . . . .  $\text{PtSe}_2$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science Sections 354 (1997), 486
- A Suessite . . . . .  $\text{Fe}_3\text{Si}$   
American Mineralogist 67 (1982), 126
- A Sugilite . . . . .  $\text{KNa}_2\text{Li}_3(\text{Fe}^{3+}, \text{Mn}^{3+}, \text{Al})_2\text{Si}_{12}\text{O}_{30}$   
Mineralogical Journal (Tokyo) 8 (1976), 110
- D Sukulaite . . . . .  $(\text{Sn}, \text{Fe}, \text{Mn})_2(\text{Ta}, \text{Nb}, \text{Sn})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- D Sulphate-monazite . . . . .  $(\text{Ce}, \text{La})(\text{PO}_4, \text{SO}_4)$   
Mineralogical Magazine 36 (1967), 133
- A Sulphotsumoite . . . . .  $\text{Bi}_3\text{Te}_2\text{S}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 316
- D Sulrhodite . . . . .  $\text{Rh}_2\text{S}_3$   
Mineralogical Magazine 56 (1992), 125
- D Sulunite . . . . .  $\text{Na}, \text{K}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 261
- A Sundiusite . . . . .  $\text{Pb}_{10}(\text{SO}_4)\text{O}_8\text{Cl}_2$   
American Mineralogist 65 (1980), 506
- D Sundiusite (of Phillips & Layton) . . . . .  $\text{Na}_2\text{CaMg}_3\text{Al}_4\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Mineralogical Magazine 36 (1968), 1144
- D Sungulite . . . . .  $\text{Mg}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 3
- A Suolunite . . . . .  $\text{Ca}_2\text{Si}_2\text{O}_5(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 36 (1968), 1144
- A Suredate . . . . .  $\text{PbSnS}_3$   
American Mineralogist 85 (2000), 1066
- A Surinamite . . . . .  $(\text{Mg}, \text{Fe})_3\text{BeAl}_4\text{Si}_3\text{O}_{16}$   
American Mineralogist 61 (1976), 193
- A Surite . . . . .  $(\text{Pb}, \text{Ca})_3\text{Al}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{CO}_3)_2(\text{OH})_3 \cdot 0.3\text{H}_2\text{O}$   
American Mineralogist 63 (1978), 1175
- A Surkhobite . . . . .  $(\text{Ca}, \text{Na})(\text{Ba}, \text{K})(\text{Fe}^{2+}, \text{Mn})_4\text{Ti}_2\text{O}_2(\text{Si}_4\text{O}_{14})(\text{F}, \text{OH}, \text{O})$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (2), 60
- A Suzukiite . . . . .  $\text{BaV}^{4+}\text{Si}_2\text{O}_7$   
Mineralogical Journal (Tokyo) 11 (1982), 15

- R Svanbergite . . . . .  $\text{SrAl}_3(\text{SO}_4)(\text{PO}_4)(\text{OH})_6$   
*American Mineralogist* **72** (1987), 178
- A Sveite . . . . .  $\text{KAl}_7(\text{NO}_3)_4(\text{OH})_{16}\text{Cl}_2 \cdot 8\text{H}_2\text{O}$   
*Transactions of the Geological Society of South Africa* **83** (1980), 239
- A Sverigeite . . . . .  $\text{NaBe}_2(\text{Mn}^{2+}, \text{Mg})_2\text{SnSi}_3\text{O}_{12}(\text{OH})$   
*Geologiska Föreningens i Stockholm Förhandlingar* **106** (1984), 175
- D Svetlozarite . . . . .  $(\text{Ca}, \text{K}, \text{Na})_3(\text{Si}, \text{Al})_{24}\text{O}_{48} \cdot 12\text{H}_2\text{O}$   
*Canadian Mineralogist* **35** (1997), 1571
- D Svidneite . . . . .  $\text{Na}_2(\text{Mg}, \text{Fe}^{2+}, \text{Fe}^{3+})(\text{Si}, \text{Al})_8\text{O}_{22}(\text{O}, \text{OH})_2$   
*American Mineralogist* **63** (1978), 1023
- D Svitalskite . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$   
*American Mineralogist* **63** (1978), 796
- A Svyatoslavite . . . . .  $\text{CaAl}_2\text{Si}_2\text{O}_8$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **118** (2) (1989), 111
- A Svyazhinite . . . . .  $(\text{Mg}, \text{Mn})(\text{Al}, \text{Fe})(\text{SO}_4)_2\text{F} \cdot 14\text{H}_2\text{O}$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 347
- A Swaknoite . . . . .  $(\text{NH}_4)_2\text{Ca}(\text{PO}_3\text{OH})_2 \cdot \text{H}_2\text{O}$   
*Bulletin of the South African Speleological Society* **32** (1991), 72
- A Swamboite . . . . .  $\text{U}^{6+}(\text{UO}_2)_6(\text{SiO}_3\text{OH})_6 \cdot 30\text{H}_2\text{O}$   
*Canadian Mineralogist* **19** (1981), 553
- A Sweetite . . . . .  $\text{Zn}(\text{OH})_2$   
*Mineralogical Magazine* **48** (1984), 267
- A Swinefordite . . . . .  $\text{Ca}_{0.2}(\text{Li}, \text{Al}, \text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH}, \text{F})_2 \cdot n\text{H}_2\text{O}$   
*American Mineralogist* **60** (1975), 540
- R Switzerite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})_3(\text{PO}_4)_2 \cdot 7\text{H}_2\text{O}$   
*American Mineralogist* **71** (1986), 1221
- D Syanhualite . . . . .  $\text{Li}_2\text{Ca}_3\text{Be}_3(\text{SiO}_4)_3\text{F}_2$   
*Canadian Mineralogist* **35** (1997), 1571
- D Syankhualite . . . . .  $\text{Li}_2\text{Ca}_3\text{Be}_3(\text{SiO}_4)_3\text{F}_2$   
*Canadian Mineralogist* **35** (1997), 1571
- D Syhadrite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
*Canadian Mineralogist* **35** (1997), 1571
- D Syhedrite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
*Canadian Mineralogist* **35** (1997), 1571
- A Symesite . . . . .  $\text{Pb}_{10}\text{SO}_4\text{O}_7\text{Cl}_4 \cdot \text{H}_2\text{O}$   
*American Mineralogist* **85** (2000), 1526
- A Synchysite-(Ce) . . . . .  $\text{Ca}(\text{Ce}, \text{La})(\text{CO}_3)_2\text{F}$   
*American Mineralogist* **72** (1987), 1031 (Appendix 2)
- A Synchysite-(Nd) . . . . .  $\text{Ca}(\text{Nd}, \text{La})(\text{CO}_3)_2\text{F}$   
*American Mineralogist* **64** (1979), 658
- R Synchysite-(Y) . . . . .  $\text{Ca}(\text{Y}, \text{Ce})(\text{CO}_3)_2\text{F}$   
*American Mineralogist* **51** (1966), 152
- D Syntagmatite . . . . .  $\text{NaCa}_2(\text{Fe}, \text{Mg}, \text{Ti})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* **63** (1978), 1023
- D Szaboite . . . . .  $\text{Mg}, \text{Si}, \text{O}$   
*Mineralogical Magazine* **52** (1988), 535
- D Szechenyiite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* **63** (1978), 1023
- D Szechonyit . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
*American Mineralogist* **63** (1978), 1023
- A Szenicsite . . . . .  $\text{Cu}_3\text{MoO}_4(\text{OH})_4$   
*Mineralogical Record* **25** (1994), 76

- A Szymańskiite . . . . .  $\text{Hg}_{16}(\text{Ni}, \text{Mg})_6(\text{CO}_3)_{12}(\text{OH})_{12}(\text{H}_3\text{O})_8 \cdot 3\text{H}_2\text{O}$   
Canadian Mineralogist 28 (1990), 703
- g Taaffeite . . . . .  $\text{BeMgAl}_4\text{O}_8$   
European Journal of Mineralogy 14 (2002), 389
- D Taaffeite-9R . . . . .  $(\text{Mg}, \text{Fe}, \text{Zn})_2\text{Al}_6\text{BeO}_{12}$   
Neues Jahrbuch für Mineralogie, Abhandlungen 146 (1983), 15
- A Tadzhikite-(Ce) . . . . .  $(\text{Ca}, \text{Ce})_4(\text{Ca}, \text{Y})_2(\text{Ti}, \text{Fe}, \text{Al})\text{B}_4\text{Si}_4\text{O}_{22}(\text{O}, \text{OH})_2$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 195 (1970), 136
- D Taeniolite . . . . .  $\text{KLiMg}_2\text{Si}_4\text{O}_{10}\text{F}_2$   
Canadian Mineralogist 36 (1998), 905
- A Taikanite . . . . .  $\text{BaSr}_2\text{Mn}_2^{3+}\text{O}_2(\text{Si}_4\text{O}_{12})$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 635
- A Taimyrite I . . . . .  $(\text{Pd}, \text{Cu}, \text{Pt})_3\text{Sn}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 78
- A Tainiolite . . . . .  $\text{KLiMg}_2\text{Si}_4\text{O}_{10}\text{F}_2$   
Canadian Mineralogist 36 (1998), 905
- D Taiyite . . . . .  $(\text{Y}, \text{Ca}, \text{Fe}, \text{Th})(\text{Ti}, \text{Nb})_2(\text{O}, \text{OH})_6$   
Mineralogical Magazine 43 (1980), 1055
- A Takanelite . . . . .  $(\text{Mn}^{2+}, \text{Ca})_{0.2}\text{Mn}^{4+}\text{O}_2 \cdot 0.7\text{H}_2\text{O}$   
Journal of the Japanese Association of Mineralogists, Petrologists and Economic  
Geologists 65 (1971), 1
- A Takedaite . . . . .  $\text{Ca}_3\text{B}_2\text{O}_6$   
Mineralogical Magazine 59 (1995), 549
- A Takéuchiite . . . . .  $(\text{Mg}, \text{Mn}^{2+})_2(\text{Mn}^{3+}, \text{Fe}^{3+})\text{O}_2\text{BO}_3$   
American Mineralogist 65 (1980), 1130
- A Takovite . . . . .  $\text{Ni}_6\text{Al}_2\text{CO}_3(\text{OH})_{16} \cdot 4\text{H}_2\text{O}$   
American Mineralogist 62 (1977), 458
- D Talcite . . . . .  $\text{KAl}_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Talmessite . . . . .  $\text{Ca}_2\text{Mg}(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$   
Bulletin de la Société Française de Minéralogie et de Cristallographie 83 (1960),  
118
- A Talnakhite . . . . .  $\text{Cu}_9(\text{Fe}, \text{Ni})_8\text{S}_{16}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 97 (1968), 63
- A Tamaite . . . . .  $(\text{Ca}, \text{K}, \text{Ba}, \text{Na})_{3.6}\text{Mn}_{24.2}(\text{Si}, \text{Al})_{40}\text{O}_{95.3}(\text{OH})_{16.6} \cdot 21\text{H}_2\text{O}$   
Journal of Mineralogical and Petrological Sciences (formerly Mineralogical  
Journal) 95 (2000), 79
- A Tancoite . . . . .  $\text{LiNa}_2\text{H}[\text{Al}(\text{PO}_4)_2(\text{OH})]$   
Canadian Mineralogist 18 (1980), 185
- A Taneyamalite . . . . .  $(\text{Na}, \text{Ca})(\text{Mn}^{2+}, \text{Mg})_{12}(\text{Si}, \text{Al})_{12}(\text{O}, \text{OH})_{44}$   
Mineralogical Magazine 44 (1981), 51
- D Tangaite . . . . .  $(\text{Al}, \text{Fe})\text{PO}_4 \cdot 2\text{H}_2\text{O}$   
Acta Universitatis Carolinae, Geologica (1962), nos. 1-2, 21
- R Tangeite . . . . .  $\text{CaCuVO}_4(\text{OH})$   
Neues Jahrbuch für Mineralogie, Monatshefte (1994), 205
- D Tangenite . . . . .  $\text{Ca}, \text{Ti}, \text{O}$   
American Mineralogist 62 (1977), 403
- A Tantal-aeschnite-(Y) . . . . .  $(\text{Y}, \text{Ce})(\text{Ta}, \text{Ti}, \text{Nb})_2\text{O}_6$   
Mineralogical Magazine 39 (1974), 571
- D Tantalbetafite . . . . .  $(\text{Ca}, \text{U})_2(\text{Ti}, \text{Nb}, \text{Ta})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403

- D Tantalohatchettolite . . . . . (U, Ca, Ce)<sub>2</sub>(Ta, Nb)<sub>2</sub>(O, OH, F)<sub>7</sub>  
American Mineralogist 62 (1977), 403
- D Tantalo-obruchevite . . . . . Ca, U, Nb, O  
American Mineralogist 62 (1977), 403
- D Tantalowodginitite . . . . . MnTa<sub>2</sub>Ta<sub>4</sub>O<sub>16</sub>  
Canadian Mineralogist 30 (1992), 633
- D Tantalpyrochlore . . . . . (Ca, Na)<sub>2</sub>Ta<sub>2</sub>(O, OH, F)<sub>7</sub>  
American Mineralogist 62 (1977), 403
- A Tanteuxenite-(Y) . . . . . (Y, Ce, Ca)(Ta, Nb, Ti)<sub>2</sub>(O, OH)<sub>6</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Tantite . . . . . Ta<sub>2</sub>O<sub>5</sub>  
Mineralogicheskiy Zhurnal 5 (1983) (3), 90
- D Tanzanite . . . . . Ca<sub>2</sub>Al<sub>3</sub>(Si<sub>2</sub>O<sub>7</sub>)(SiO<sub>4</sub>)(O, OH)<sub>2</sub>  
Mineralogical Magazine 43 (1980), 1055
- D Taprobanite . . . . . Mg<sub>3</sub>Al<sub>8</sub>BeO<sub>16</sub>  
Mineralogical Magazine 46 (1982), 514
- R Taramite . . . . . Na<sub>2</sub>Ca(Fe<sup>2+</sup>, Mg)<sub>3</sub>(Al, Fe<sup>3+</sup>)<sub>2</sub>(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- D Tarasovite . . . . . K, Mg, Al, Si, O, H<sub>2</sub>O  
American Mineralogist 67 (1982), 394
- A Taseqite . . . . . Na<sub>12</sub>Sr<sub>3</sub>Ca<sub>6</sub>Fe<sub>3</sub>Zr<sub>3</sub>NbSi<sub>25</sub>O<sub>73</sub>(O, OH, H<sub>2</sub>O)<sub>3</sub>Cl<sub>2</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (2004), 83
- D Tatarkaite . . . . . Mg, Fe, Al, Si, O  
American Mineralogist 50 (1965), 2111
- A Tatarskite . . . . . Ca<sub>6</sub>Mg<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>(CO<sub>3</sub>)<sub>2</sub>(OH)<sub>4</sub>Cl<sub>4</sub>•7H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 132
- A Tatyanaitite . . . . . (Pt, Pd, Cu)<sub>9</sub>Cu<sub>3</sub>Sn<sub>4</sub>  
European Journal of Mineralogy 12 (2000), 391
- A Tausonite . . . . . SrTiO<sub>3</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 86
- D Tavistockite . . . . . Ca<sub>5</sub>(PO<sub>4</sub>)<sub>3</sub>F  
Mineralogical Magazine 37 (1969), 123
- D Taylorite . . . . . (K, NH<sub>4</sub>)SO<sub>4</sub>  
Canadian Mineralogist 23 (1985), 259
- A Tazheranite . . . . . (Zr, Ti, Ca)(O, □)<sub>2</sub>  
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 186 (1969), 142
- A Tedhadleyite . . . . . Hg<sup>2+</sup>Hg<sub>10</sub><sup>1+</sup>O<sub>4</sub>I<sub>2</sub>(Cl, Br)<sub>2</sub>  
Canadian Mineralogist 40 (2002), 909
- A Tegengrenite . . . . . (Mg, Mn<sup>2+</sup>)<sub>2</sub>(Sb, Mn)O<sub>4</sub>  
American Mineralogist 85 (2000), 1315
- A Telargpalite . . . . . (Pd, Ag)<sub>3</sub>Te  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 595
- A Tellurantimony . . . . . Sb<sub>2</sub>Te<sub>3</sub>  
Canadian Mineralogist 12 (1973), 55
- A Tellurohauchecornite . . . . . Ni<sub>9</sub>BiTeS<sub>8</sub>  
Mineralogical Magazine 43 (1980), 877
- A Telluronevskite . . . . . Bi<sub>3</sub>TeSe<sub>2</sub>  
European Journal of Mineralogy 13 (2001), 177
- A Telluropalladinite . . . . . Pd<sub>9</sub>Te<sub>4</sub>  
Canadian Mineralogist 17 (1979), 589
- A Telyushenkoite . . . . . CsNa<sub>6</sub>Be<sub>2</sub>Al<sub>3</sub>Si<sub>15</sub>O<sub>39</sub>F<sub>2</sub>

- New Data on Minerals 38 (2003), 5
- A Temagamite . . . . . Pd<sub>3</sub>HgTe<sub>3</sub>  
Canadian Mineralogist 12 (1973), 193
- A Tengchongite . . . . . Ca(UO<sub>2</sub>)<sub>6</sub>(MoO<sub>4</sub>)<sub>2</sub>O<sub>5</sub> • 12H<sub>2</sub>O  
Kexue Tongbao (in Chinese) 31 (1986), 396
- R Tengerite-(Y) . . . . . Y<sub>2</sub>(CO<sub>3</sub>)<sub>3</sub> • 2 • 3H<sub>2</sub>O  
American Mineralogist 78 (1993), 425
- A Tenorite . . . . . CuO  
Mineralogical Magazine 33 (1962), 262
- D Teremkovite . . . . . Ag<sub>2</sub>Pb<sub>5</sub>Sb<sub>6</sub>S<sub>15</sub>  
Mineralogical Magazine 38 (1971), 103
- A Ternesite . . . . . Ca<sub>5</sub>(SiO<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>  
Mineralogy and Petrology 60 (1997), 121
- A Ternovite . . . . . (Mg, Ca)Nb<sub>4</sub>O<sub>11</sub> • 8-12H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1997), 49
- D Ternovskite . . . . . Na<sub>2</sub>(Mg, Fe<sup>2+</sup>, Fe<sup>3+</sup>)(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Terranovaite . . . . . NaCa(Si, Al)<sub>20</sub>O<sub>40</sub> • ≈8H<sub>2</sub>O  
American Mineralogist 82 (1997), 423
- A Terskite . . . . . Na<sub>4</sub>Zr(H<sub>4</sub>Si<sub>6</sub>O<sub>18</sub>)  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 226
- A Teruggite . . . . . Ca<sub>4</sub>Mg[AsB<sub>6</sub>O<sub>11</sub>(OH)<sub>6</sub>]<sub>2</sub> • 14H<sub>2</sub>O  
American Mineralogist 53 (1968), 1815
- D Tetraedingtonite . . . . . BaAl<sub>2</sub>Si<sub>3</sub>O<sub>10</sub> • 4H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Tetra-ferri-annite . . . . . KFe<sub>3</sub><sup>2+</sup>(Si<sub>3</sub>Fe<sup>3+</sup>)O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- R Tetra-ferriphlogopite . . . . . K(Mg, Fe)<sub>3</sub>(Si, Al, Fe<sup>3+</sup>)O<sub>10</sub>(OH, F)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Tetraferroplatinum . . . . . PtFe  
Canadian Mineralogist 13 (1975), 117
- A Tetrahedrite . . . . . (Cu, Fe)<sub>12</sub>Sb<sub>4</sub>S<sub>13</sub>  
Mineralogical Magazine 33 (1962), 262
- D Tetrakalsilite . . . . . (K, Na)AlSiO<sub>4</sub>  
American Mineralogist 73 (1988), 420
- D Tetranatrolite . . . . . (Na, K)<sub>2</sub>(Si, Al)<sub>5</sub>O<sub>10</sub> • 2H<sub>2</sub>O  
American Mineralogist 84 (1999), 1445
- A Tetrarooseveltite . . . . . BiAsO<sub>4</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1994), 179
- A Tetrataenite . . . . . FeNi  
American Mineralogist 65 (1980), 624
- A Tetrawickmanite . . . . . Mn<sup>2+</sup>Sn<sup>4+</sup>(OH)<sub>6</sub>  
Mineralogical Record 4 (1973), 24
- D Texasite . . . . . Pr, SO<sub>4</sub>, O  
American Mineralogist 67 (1982), 156
- A Thadeuite . . . . . (Ca, Mn<sup>2+</sup>)(Mg, Fe<sup>2+</sup>)<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>(OH, F)<sub>2</sub>  
American Mineralogist 64 (1979), 359
- D Thalackerite . . . . . (Mg, Fe)<sub>7</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Thalcusite . . . . . (Cu, Fe)<sub>4</sub>Tl<sub>2</sub>S<sub>4</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 105 (1976), 202

- A Thalénite-(Y) . . . . .  $Y_3Si_3O_{10}(OH)$   
American Mineralogist **72** (1987), 1031 (Appendix 2)
- A Thalfenisite . . . . .  $Tl_6(Fe, Ni, Cu)_{25}S_{26}Cl$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **108** (1979), 696
- A Theisite . . . . .  $Cu_5Zn_5(As, Sb)_2O_8(OH)_{14}$   
Mineralogical Magazine **46** (1982), 49
- A Theoparacelsite . . . . .  $Cu_3(OH)_2As_2O_7$   
Archives des Sciences (Geneva) **54** (2001), 7
- A Theophrastite . . . . .  $Ni(OH)_2$   
American Mineralogist **66** (1981), 1020
- A Thérèsemagnanite . . . . .  $(Co, Zn, Ni)_6SO_4(OH, Cl)_{10} \cdot 8H_2O$   
Archives des Sciences (Geneva) **46** (1993), 37
- D Thierschite . . . . .  $CaC_2O_4 \cdot H_2O$   
American Mineralogist **47** (1962), 786
- A Thomasclarkite-(Y) . . . . .  $Na(Y, La, Nd)(HCO_3)(OH)_3 \cdot 4H_2O$   
Canadian Mineralogist **36** (1998), 1293
- A Thometzekite . . . . .  $Pb(Cu, Zn)_2(AsO_4)_2 \cdot 2H_2O$   
Neues Jahrbuch für Mineralogie, Monatshefte (1985), 446
- A Thomsonite . . . . .  $NaCa_2(Al_5Si_5)O_{20} \cdot 6H_2O$   
Canadian Mineralogist **35** (1997), 1571
- A Thomsonite-Sr . . . . .  $Na(Sr, Ca)_2Al_5Si_5O_{20} \cdot 6-7H_2O$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **130** (2001) (4), 46
- A Thorbastnäsite . . . . .  $Th(Ca, Ce)(CO_3)_2F_2 \cdot 3H_2O$   
Mineralogical Magazine **36** (1968), 1144
- D Thorgadolinite . . . . .  $Be_2Fe(Ce, La, Nd, Th)_2Si_2O_{10}$   
Mineralogical Magazine **43** (1980), 1055
- A Thorikosite . . . . .  $Pb_3O_3(Sb^{3+}, As^{3+})(OH)Cl_2$   
American Mineralogist **70** (1985), 845
- A Thornasite . . . . .  $Na_{12}Th_3(Si_8O_{19})_4 \cdot 18H_2O$   
Canadian Mineralogist **25** (1987), 181
- D Thoro-aeschynite . . . . .  $(Ce, Ca, Fe, Th)(Ti, Nb)_2(O, OH)_6$   
Mineralogical Magazine **36** (1968), 1144
- A Thorosteenstrupine . . . . .  $(Ca, Th, Mn)_3Si_4O_{11}F \cdot 6H_2O$   
Mineralogical Magazine **36** (1967), 132
- A Threadgoldite . . . . .  $Al(UO_2)_2(PO_4)_2(OH) \cdot 8H_2O$   
Bulletin de Minéralogie **102** (1979), 338
- D Tibergite . . . . .  $NaCa_2(Mg, Fe)_4Fe^{3+}(Si_6Al_2)O_{22}(OH)_2$   
American Mineralogist **63** (1978), 1023
- A Tienschanite . . . . .  $K(Na, K, \square)_9Ca_2Ba_6Mn_6^{2+}Ti_6B_{12}Si_{36}O_{114}(O, OH, F)_{11}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections **177** (1967), 137
- A Tiettaite . . . . .  $(Na, K)_{17}Fe^{3+}TiSi_{16}O_{29}(OH)_{30} \cdot 2H_2O$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **122** (1993) (1), 121
- A Tikhonkovite . . . . .  $SrAlF_4(OH) \cdot H_2O$   
Mineralogical Magazine **36** (1967), 132
- A Tillmannsite . . . . .  $HgAg_3(V, As)O_4$   
European Journal of Mineralogy **15** (2003), 177
- A Tinaksite . . . . .  $K_2Na(Ca, Mn)_2(Ti, Fe)Si_7O_{19}(OH)$   
Mineralogical Magazine **36** (1968), 1144
- A Tinsleyite . . . . .  $KAl_2(PO_4)_2(OH) \cdot 2H_2O$   
American Mineralogist **69** (1984), 374
- D Tin-tantalite . . . . .  $(Mn, Sn)Ta_2O_6$

- Mineralogical Magazine 36 (1967), 133
- A Tintinaite . . . . .  $\text{Pb}_{11}\text{Cu}_2\text{Sb}_{15}\text{S}_{35}$   
Canadian Mineralogist 9 (1968), 371
- R Tinzenite . . . . .  $(\text{Ca}, \text{Mn}, \text{Fe})_6\text{Al}_4[\text{B}_2\text{Si}_8\text{O}_{30}](\text{OH})_2$   
American Mineralogist 53 (1968), 1407
- A Tiptopite . . . . .  $\text{K}_2(\text{Li}, \text{Na}, \text{Ca})_6(\text{Be}_6\text{P}_6)\text{O}_{24}(\text{OH})_2 \cdot 1.3\text{H}_2\text{O}$   
Canadian Mineralogist 23 (1985), 43
- A Tiragalloite . . . . .  $\text{Mn}_4^{2+}\text{As}^{5+}\text{Si}_3\text{O}_{12}(\text{OH})$   
American Mineralogist 65 (1980), 947
- D Tirodite . . . . .  $\text{Mn}_2^{2+}(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Tischendorfite . . . . .  $\text{Pd}_8\text{Hg}_3\text{Se}_9$   
Canadian Mineralogist 40 (2002), 739
- A Tisinalite . . . . .  $\text{Na}_2(\text{Mn}, \text{Ca})_{1-x}(\text{Ti}, \text{Zr}, \text{Nb}, \text{Fe}^{3+})\text{Si}_6\text{O}_8(\text{O}, \text{OH})_{10}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 109 (1980), 223
- D Titanaugite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe}, \text{Ti})_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- D Titanbetafite . . . . .  $(\text{Ca}, \text{U})_2(\text{Ti}, \text{Nb}, \text{Ta})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- D Titandiopside . . . . .  $\text{Ca}(\text{Mg}, \text{Ti})(\text{SiO}_3)_2$   
Mineralogical Magazine 52 (1988), 535
- D Titanglimmer . . . . .  $\text{K}(\text{Mg}, \text{Fe}, \text{Ti})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Titanhornblende . . . . .  $\text{Na}_2\text{Fe}_5^{2+}\text{TiSi}_6\text{O}_{20}$   
American Mineralogist 63 (1978), 1023
- A Titanite . . . . .  $(\text{Ca}, \text{Na})(\text{Ti}, \text{Ta}, \text{Al}, \text{Nb}, \text{Sb})\text{SiO}_4(\text{O}, \text{F})$   
Mineralogical Magazine 36 (1967), 135
- D Titanmica . . . . .  $\text{K}(\text{Mg}, \text{Fe}, \text{Ti})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Titanmicrolite . . . . .  $\text{Ca}, \text{Na}, \text{Ti}, \text{Ta}, \text{O}$   
American Mineralogist 62 (1977), 403
- D Titano-aeschnyite . . . . .  $(\text{Ce}, \text{Ca}, \text{Fe}, \text{Th})(\text{Ti}, \text{Nb})_2(\text{O}, \text{OH})_6$   
Mineralogical Magazine 36 (1967), 133
- D Titanobiotite . . . . .  $\text{K}(\text{Mg}, \text{Fe}, \text{Ti})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Titano-obruchevite . . . . .  $(\text{Y}, \text{U}, \text{Ce})_2(\text{Ti}, \text{Nb}, \text{Ta})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- D Titanopyrochlore . . . . .  $(\text{Ca}, \text{Na})_2\text{Ti}_2\text{O}_6(\text{OH}, \text{F})$   
American Mineralogist 62 (1977), 403
- D Titanorhabdophane . . . . .  $\text{Na}_2\text{Ce}_2\text{TiO}_2\text{SiO}_4(\text{CO}_3)_2$   
Mineralogical Magazine 36 (1967), 133
- A Titanowodginite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})(\text{Ti}, \text{Sn}, \text{Ta})(\text{Ta}, \text{Nb})_2\text{O}_8$   
Canadian Mineralogist 30 (1992), 633
- D Titanpigeonite . . . . .  $(\text{Mg}, \text{Fe}, \text{Ca}, \text{Ti})\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- A Titantaramellite . . . . .  $\text{Ba}_4(\text{Ti}, \text{Fe}^{3+}, \text{Mg})_4(\text{O}, \text{OH})_2[\text{B}_2\text{Si}_8\text{O}_{27}]\text{Cl}_x$   
American Mineralogist 69 (1984), 358
- A Tivanite . . . . .  $\text{TiV}^{3+}\text{O}_3(\text{OH})$   
American Mineralogist 66 (1981), 866
- A Tlalcite . . . . .  $\text{Cu}_{10}\text{Zn}_6(\text{Te}^{4+}\text{O}_3)(\text{Te}^{6+}\text{O}_4)_2\text{Cl}(\text{OH})_{25} \cdot 27\text{H}_2\text{O}$   
Mineralogical Magazine 40 (1975), 221



- A Tlapallite . . . . .  $H_6(Ca, Pb)_2(Cu, Zn)_3SO_4(Te^{4+}O_3)_4(Te^{6+}O_6)$   
 Mineralogical Magazine 42 (1978), 183
- A Tobelite . . . . .  $(NH_4, K)Al_2(Si_3Al)O_{10}(OH)_2$   
 Mineralogical Journal (Tokyo) 11 (1982), 138
- A Tochilinite . . . . .  $6(Fe_{0.9}S) \cdot 5[(Mg, Fe)(OH)_2]$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 100 (1971), 477
- D Toddite . . . . . Y, Ce, Fe, Mn, Nb, Ti, O  
 American Mineralogist 47 (1962), 1363
- A Todorokite . . . . .  $(Na, Ca, K, Ba, Sr)_{1-x}(Mn, Mg, Al)_6O_{12} \cdot 3-4H_2O$   
 Mineralogical Magazine 33 (1962), 262
- D Tohdite . . . . .  $Al_{10}O_{15} \cdot H_2O$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 99 (1970), 333
- A Tokkoite . . . . .  $K_2Ca_4Si_7O_{18}(OH, F)_2$   
 Mineralogicheskii Zhurnal 8 (1986) (3), 85
- A Tolbachite . . . . .  $CuCl_2$   
 Doklady Akademiia Nauk, SSSR (USSR) 270 (1983), 415
- A Tolovkite . . . . .  $IrSbS$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 110 (1981), 474
- A Tombarthite-(Y) . . . . .  $Y_4(Si, H_4)_4O_{12}(OH)_4$   
 Lithos 1 (1968), 113
- A Tomichite . . . . .  $(V^{3+}, Fe^{3+})_4Ti_3^{4+}As^{3+}O_{13}(OH)$   
 Mineralogical Magazine 43 (1979), 469
- D Tonerdehaltiger strahlstein . . . . .  $Ca_2Mg_5Si_8O_{22}(OH)_2$   
 American Mineralogist 63 (1978), 1023
- A Tongbaite . . . . .  $Cr_3C_2$   
 Acta Mineralogica Sinica (in Chinese) 4 (1983), 241
- D Tonsonite . . . . .  $NaCa_2Al_5Si_5O_{20} \cdot 6H_2O$   
 Canadian Mineralogist 35 (1997), 1571
- A Tooeleite . . . . .  $Fe_{7.6}^{3+}[(As, S)O_4]_6(OH)_6 \cdot 5H_2O$   
 Mineralogical Magazine 56 (1992), 71
- A Torbernite . . . . .  $Cu(UO_2)_2(PO_4)_2 \cdot 10H_2O$   
 Mineralogical Magazine 43 (1980), 1053
- D Torendrikite . . . . .  $Na_2(Mg, Fe^{2+}, Fe^{3+})(Si, Al)_8O_{22}(OH)_2$   
 American Mineralogist 63 (1978), 1023
- A Törnebohmite-(Ce) . . . . .  $(Ce, La, Nd)_2Al(SiO_4)_2(OH)$   
 American Mineralogist 51 (1966), 152
- A Törnebohmite-(La) . . . . .  $(La, Ce)_2Al(SiO_4)_2(OH)$   
 American Mineralogist 51 (1966), 152
- D Tosalite . . . . . Mn, Fe, Si, O  
 Mineralogical Magazine 43 (1980), 1055
- A Tounkite . . . . .  $(Na, Ca, K)_8(Si_6Al_6)O_{24}(SO_4)_2Cl \cdot 0.5H_2O$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 121 (1992) (2), 92
- A Toyohaite . . . . .  $Ag_2FeSn_3S_8$   
 Mineralogical Journal (Tokyo) 15 (1991), 222
- D Tozalite . . . . . Mn, Fe, Si, O, OH  
 Mineralogical Magazine 43 (1980), 1055
- A Trabzonite . . . . .  $Ca_4Si_3O_{10} \cdot 2H_2O$   
 Bulletin of the Geological Society of Turkey 30 (1987), 57
- D Trachyaugite . . . . .  $(Ca, Mg, Fe)_2Si_2O_6$   
 Mineralogical Magazine 52 (1988), 535
- A Tranquillityite . . . . .  $Fe_8^{2+}Ti_3(Zr, Y)_2Si_3O_{24}$   
 Proceedings of the Lunar Science Conference [USA] 1 (1971), 39

- D Transvaalite . . . . . CoO(OH)  
Mineralogical Magazine 33 (1962), 253
- A Traskite . Ba<sub>21</sub>Ca<sub>2</sub>(Fe<sup>2+</sup>, Mn, Ti)<sub>4</sub>(Ti, Fe, Mg)<sub>12</sub>(Si<sub>12</sub>O<sub>36</sub>)(Si<sub>2</sub>O<sub>7</sub>)<sub>6</sub>(O, OH)<sub>30</sub>Cl<sub>6</sub> • 14H<sub>2</sub>O  
American Mineralogist 50 (1965), 314
- D Traversellite . . . . . CaMg(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Treasurite . . . . . Ag<sub>7</sub>Pb<sub>6</sub>Bi<sub>15</sub>S<sub>32</sub>  
Neues Jahrbuch für Mineralogie, Abhandlungen 131 (1977), 56
- A Trembathite . . . . . (Mg, Fe)<sub>3</sub>B<sub>7</sub>O<sub>13</sub>Cl  
Canadian Mineralogist 30 (1992), 445
- R Tremolite . . . . . □Ca<sub>2</sub>(Mg, Fe)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- D Tremolite-glaucophane . . . . . Na<sub>2</sub>Ca(Mg, Fe)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Tremolitic hornblende . . . . . Ca<sub>2</sub>(Mg, Fe)<sub>5</sub>(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Triangulite . . . . . Al<sub>3</sub>(UO<sub>2</sub>)<sub>4</sub>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>5</sub> • 5H<sub>2</sub>O  
Bulletin de Minéralogie 105 (1982), 611
- R Trilithionite . . . . . K(Li, Al)<sub>3</sub>(Si<sub>3</sub>Al)O<sub>10</sub>(OH, F)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Trimounsite-(Y) . . . . . (Y, Dy, Er, Yb)<sub>2</sub>Ti<sub>2</sub>O<sub>5</sub>SiO<sub>4</sub>  
European Journal of Mineralogy 2 (1990), 725
- D Trioctahedral illite . . . . . K, Mg, Fe, Al, Si, O, H<sub>2</sub>O (?)  
Canadian Mineralogist 36 (1998), 905
- D Triphane . . . . . LiAl(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 33 (1962), 262
- D Triploclase . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Triploklase . . . . . NaCa<sub>2</sub>Al<sub>5</sub>Si<sub>5</sub>O<sub>20</sub> • 6H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- R Tripuhyite . . . . . Fe<sup>3+</sup>Sb<sup>5+</sup>O<sub>4</sub>  
Mineralogical Magazine 67 (2003), 31
- A Tristramite . . . . . (Ca, U<sup>4+</sup>, Fe<sup>3+</sup>)(PO<sub>4</sub>, SO<sub>4</sub>) • 2H<sub>2</sub>O  
Mineralogical Magazine 47 (1983), 393
- A Tritomite-(Ce) . . . . . Ca<sub>2</sub>(Ce, La)<sub>3</sub>(SiO<sub>4</sub>, BO<sub>4</sub>)<sub>3</sub>(OH, O)  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- R Tritomite-(Y) . . . . . (Y, Ca, Ce)<sub>5</sub>(SiO<sub>4</sub>, BO<sub>4</sub>)<sub>3</sub>(OH, O)  
American Mineralogist 51 (1966), 152
- D Trudellite . . . . . Na, Al, SO<sub>4</sub>, Cl, H<sub>2</sub>O  
United States Geological Survey, Professional Paper 750A (1971), 115
- A Trüstedtite . . . . . Ni<sub>3</sub>Se<sub>4</sub>  
Mineralogical Magazine 36 (1967), 132
- A Tsaregorodtsevite . . . . . N(CH<sub>3</sub>)<sub>4</sub>Si<sub>4</sub>(Si, Al)<sub>2</sub>O<sub>12</sub>  
Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 122 (1993) (1), 128
- D Tsavolite . . . . . Ca<sub>3</sub>Al<sub>2</sub>(SiO<sub>4</sub>)<sub>3</sub>  
American Mineralogist 72 (1987), 1031
- R Tschermakite . . . . . □Ca<sub>2</sub>(Mg<sub>3</sub>AlFe<sup>3+</sup>)(Si<sub>6</sub>Al<sub>2</sub>)O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- D Tschermakitic hornblende . . . . . Ca<sub>2</sub>(Mg<sub>3</sub>AlFe<sup>3+</sup>)(Si, Al)<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 35 (1997), 219
- A Tschernichite . . . . . CaAl<sub>2</sub>Si<sub>6</sub>O<sub>16</sub> • 8H<sub>2</sub>O  
Chemical Communications (1991), 363

- D Tschernischewite . . . . . Na, Fe, Al, SiOOH  
*American Mineralogist* **63** (1978), 1023
- A Tschörtnerite . . . . .  $\text{Ca}_4(\text{K}, \text{Ca}, \text{Sr}, \text{Ba})_3\text{Cu}_3\text{Al}_{12}\text{Si}_{12}\text{O}_{48}(\text{OH})_8 \cdot 20\text{H}_2\text{O}$   
*American Mineralogist* **83** (1998), 607
- A Tsepinite-Ca . . . . .  $(\text{Ca}, \text{K}, \text{Na})_{2-x}(\text{Ti}, \text{Nb})_2\text{Si}_4\text{O}_{12}(\text{OH}, \text{O})_2 \cdot 4\text{H}_2\text{O}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (2003), 461
- A Tsepinite-K . . . . .  $(\text{K}, \text{Ba}, \text{Na})_2(\text{Ti}, \text{Nb})_2\text{Si}_4\text{O}_{12}(\text{OH}, \text{O})_2 \cdot 3\text{H}_2\text{O}$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* **132** (2003), 38
- R Tsepinite-Na . . . . .  $(\text{Na}, \text{H}_3\text{O}, \text{K}, \text{Sr}, \text{Ba}, \square)_{12}\text{Ti}_8(\text{Si}_4\text{O}_{12})_4(\text{OH}, \text{O})_8 \cdot 12-16\text{H}_2\text{O}$   
*European Journal of Mineralogy* **14** (2002), 165
- A Tsnigriite . . . . .  $\text{Ag}_9\text{SbTe}_3(\text{S}, \text{Se})_3$   
*Zapiski Vserossiskogo Mineralogicheskogo Obshchestva* **121** (1992) (5), 95
- A Tsugaruite . . . . .  $\text{Pb}_4\text{As}_2\text{S}_7$   
*Mineralogical Magazine* **62** (1998), 793
- A Tsumcorite . . . . .  $\text{Pb}(\text{Zn}, \text{Fe}^{2+})_2(\text{AsO}_4)_2 \cdot (\text{OH}, \text{H}_2\text{O})_2$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (1971), 305
- A Tsumgallite . . . . .  $\text{GaOOH}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (2003), 521
- A Tsumoite . . . . .  $\text{BiTe}$   
*American Mineralogist* **63** (1978), 1162
- D Tucanite . . . . .  $\text{Al}, \text{CO}_3, \text{OH}, \text{H}_2\text{O}$   
*Mineralogical Magazine* **36** (1968), 1144
- A Tučekite . . . . .  $\text{Ni}_9\text{Sb}_2\text{S}_8$   
*Mineralogical Magazine* **42** (1978), 278
- A Tugarinovite . . . . .  $\text{MoO}_2$   
*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 465
- A Tugtupite . . . . .  $\text{Na}_4\text{BeAlSi}_4\text{O}_{12}\text{Cl}$   
*Mineralogical Magazine* **36** (1967), 133
- A Tuite . . . . .  $\text{Ca}_3(\text{PO}_4)_2$   
*European Journal of Mineralogy* **15** (2003), 1001
- A Tulameenite . . . . .  $\text{CuFePt}_2$   
*Canadian Mineralogist* **12** (1973), 21
- A Tuliokite . . . . .  $\text{Na}_6\text{BaTh}(\text{CO}_3)_6 \cdot 6\text{H}_2\text{O}$   
*Mineralogicheskii Zhurnal* **12** (1990) (3), 74
- A Tumchaite . . . . .  $\text{Na}_2(\text{Zr}, \text{Sn})\text{Si}_4\text{O}_{11} \cdot 2\text{H}_2\text{O}$   
*American Mineralogist* **85** (2000), 1516
- A Tundrite-(Ce) . . . . .  $\text{Na}_2\text{Ce}_2\text{TiO}_2\text{SiO}_4(\text{CO}_3)_2$   
*Mineralogical Magazine* **36** (1968), 1144
- A Tundrite-(Nd) . . . . .  $\text{Na}_2\text{Nd}_2\text{TiO}_2(\text{SiO}_4)(\text{CO}_3)_2$   
*American Mineralogist* **72** (1987), 1031 (Appendix 2)
- A Tunellite . . . . .  $\text{SrB}_6\text{O}_9(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
*Mineralogical Magazine* **36** (1967), 132
- A Tungstibite . . . . .  $\text{Sb}_2\text{WO}_6$   
*Chemie der Erde* **55** (1995), 217
- A Tungusite . . . . .  $\text{Ca}_{14}\text{Fe}_9^{2+}\text{Si}_{24}\text{O}_{60}(\text{OH})_{22}$   
*Transactions (Doklady) of the USSR Academy of Sciences, Earth Science Sections* **171** (1966), 163
- A Tunisite . . . . .  $\text{NaCa}_2\text{Al}_4(\text{CO}_3)_4(\text{OH})_8\text{Cl}$   
*American Mineralogist* **54** (1969), 1
- A Tuperssuatsiaite . . . . .  $\text{NaFe}_3^+\text{Si}_8\text{O}_{20}(\text{OH})_2 \cdot \text{H}_2\text{O}$   
*Neues Jahrbuch für Mineralogie, Monatshefte* (1984), 501
- D Turite . . . . .  $(\text{Ca}, \text{Na}, \text{Ce})_3(\text{Ti}, \text{Al})\text{Si}_2\text{O}_7(\text{F}, \text{OH})_2$

- Mineralogical Magazine 36 (1968), 1144
- A Turkestanite . . . . .  $\text{Th}(\text{Ca}, \text{Na})_2(\text{K}, \square)\text{Si}_8\text{O}_{20} \cdot n\text{H}_2\text{O}$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 126 (1997) (6), 45
- A Turneaureite . . . . .  $\text{Ca}_5(\text{AsO}_4, \text{PO}_4)_3\text{Cl}$   
Canadian Mineralogist 23 (1985), 251
- A Turquoise . . . . .  $\text{CuAl}_6(\text{PO}_4)_4(\text{OH})_8 \cdot 4\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 134
- A Turtmannite . . . . .  $(\text{Mn}, \text{Mg})_{25.5}\text{O}_5[(\text{V}, \text{As})\text{O}_4]_{13}(\text{SiO}_4)_3(\text{OH})_{20}$   
American Mineralogist 86 (2001), 1494
- A Tuscanite . . . . .  $\text{KCa}_6(\text{Si}, \text{Al})_{10}\text{O}_{22}(\text{SO}_4, \text{CO}_3)_2(\text{OH}) \cdot \text{H}_2\text{O}$   
American Mineralogist 62 (1977), 1110
- A Tusionite . . . . .  $(\text{Mn}^{2+}, \text{Fe})\text{Sn}(\text{BO}_3)_2$   
Doklady Akademiia Nauk, SSSR (USSR) 272 (1983), 1449
- D Tuxtlite . . . . .  $(\text{Ca}, \text{Na})(\text{Mg}, \text{Fe}, \text{Al})\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- A Tuzlaite . . . . .  $\text{NaCaB}_5\text{O}_8(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 79 (1994), 562
- A Tvalchrelidzeite . . . . .  $\text{Hg}_3(\text{As}, \text{Sb})_2\text{S}_3$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 225 (1975), 123
- A Tvedalite . . . . .  $(\text{Ca}, \text{Mn})_4\text{Be}_3\text{Si}_6\text{O}_{17}(\text{OH})_4 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 77 (1992), 438
- A Tveitite-(Y) . . . . .  $\text{Ca}_{14}\text{Y}_5\text{F}_{43}$   
Lithos 10 (1977), 81
- A Tweddillite . . . . .  $\text{CaSr}(\text{Mn}^{3+}, \text{Fe}^{3+})_2\text{Al}(\text{Si}_2\text{O}_7)(\text{SiO}_4)\text{O}(\text{OH})$   
Mineralogical Magazine 66 (2002), 137
- A Twinnite . . . . .  $\text{Pb}(\text{Sb}, \text{As})_2\text{S}_4$   
Canadian Mineralogist 9 (1967), 191
- D Tynite . . . . .  $\text{Ca}, \text{Fe}, \text{Mg}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 133
- D Tyretskite . . . . .  $\text{Ca}_2\text{B}_5\text{O}_9(\text{OH}) \cdot \text{H}_2\text{O}$   
American Mineralogist 70 (1985), 636
- A Tyretskite-1A . . . . .  $\text{Ca}_2\text{B}_5\text{O}_9(\text{OH}) \cdot \text{H}_2\text{O}$   
American Mineralogist 53 (1968), 2084
- A Uchucchacuaite . . . . .  $\text{AgMnPb}_3\text{Sb}_5\text{S}_{12}$   
Bulletin de Minéralogie 107 (1984), 597
- D Udokanite . . . . .  $\text{Cu}, \text{SO}_4, \text{OH}$   
Mineralogical Magazine 43 (1980), 1055
- D Ufertite . . . . .  $(\text{La}, \text{Ce})(\text{Y}, \text{U}, \text{Fe})(\text{Ti}, \text{Fe})_{20}(\text{O}, \text{OH})_{38}$   
American Mineralogist 49 (1964), 447
- D Uigite . . . . .  $\text{Na}, \text{Ca}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
Mineralogical Magazine 33 (1962), 262
- A Uklonskovite . . . . .  $\text{NaMgSO}_4(\text{OH}, \text{F}) \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- A Ulrichite . . . . .  $\text{CaCu}(\text{UO}_2)(\text{PO}_4)_2 \cdot 4\text{H}_2\text{O}$   
Australian Mineralogist 3 (1988), 125
- A Umbite . . . . .  $\text{K}_2\text{ZrSi}_3\text{O}_9 \cdot \text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 461
- A Umbozerite . . . . .  $\text{Na}_3\text{Sr}_4\text{ThSi}_8(\text{O}, \text{OH})_{24}$   
Transactions (Doklady) of the USSR Academy of Sciences, Earth Science  
Sections 216 (1974), 124
- A Ungarettiite . . . . .  $\text{NaNa}_2(\text{Mn}^{2+}, \text{Mn}^{3+}, \text{Mg})_5\text{Si}_8\text{O}_{22}\text{O}_2$

- American Mineralogist 80 (1995), 165
- D Ungursaite . . . . . Ca(Ta, Nb)<sub>4</sub>O<sub>11</sub>  
Soviet Physics, Crystallography 33 (1988), 498
- D Uniaxial mica . . . . . K, Mg, Fe, Al, Si, O (?)  
Canadian Mineralogist 36 (1998), 905
- A Upalite . . . . . Al(UO<sub>2</sub>)<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>O(OH)•7H<sub>2</sub>O  
Bulletin de Minéralogie 102 (1979), 333
- A Uralborite . . . . . CaB<sub>2</sub>O<sub>2</sub>(OH)<sub>4</sub>  
Mineralogical Magazine 36 (1967), 132
- D Uralite . . . . . Ca<sub>2</sub>(Mg, Fe)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Uranalcarite . . . . . Ca(UO<sub>2</sub>)<sub>3</sub>CO<sub>3</sub>(OH)<sub>6</sub>•3H<sub>2</sub>O  
Bulletin de Minéralogie 107 (1984), 21
- D Uranglimmer . . . . . Ca, U, PO<sub>4</sub>, H<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 1053
- g Uranite . . . . .  
Mineralogical Magazine 36 (1967), 135
- D Uranmica . . . . . Ca, U, PO<sub>4</sub>, H<sub>2</sub>O  
Mineralogical Magazine 43 (1980), 1053
- R Uranmicrolite . . . . . (U, Ca, Ce, □)<sub>2</sub>(Ta, Nb)<sub>2</sub>(O, OH, F)<sub>7</sub>  
American Mineralogist 62 (1977), 403
- D Uranoanatase . . . . . (Ti, U)O<sub>2</sub>  
Mineralogical Magazine 36 (1968), 1144
- A Uranopolycrase . . . . . (U, Y)(Ti, Nb, Ta)<sub>2</sub>(O, OH)<sub>6</sub>  
European Journal of Mineralogy 5 (1993), 1161
- A Uranosilite . . . . . (UO<sub>2</sub>)Si<sub>7</sub>O<sub>15</sub>  
Neues Jahrbuch für Mineralogie, Monatshefte (1983), 259
- A Uranotungstite . . . . . (Fe, Ba, Pb)(UO<sub>2</sub>)<sub>2</sub>WO<sub>4</sub>(OH)<sub>4</sub>•12H<sub>2</sub>O  
Tscherma's Mineralogische und Petrographische Mitteilungen 34 (1985), 25
- R Uranpyrochlore . . . . . (U, Ca, Ce, □)<sub>2</sub>(Nb, Ta)<sub>2</sub>(O, OH, F)<sub>7</sub>  
American Mineralogist 62 (1977), 403
- D Urbanite . . . . . (Ca, Na, Fe, Mg)<sub>2</sub>Si<sub>2</sub>O<sub>6</sub>  
Mineralogical Magazine 52 (1988), 535
- A Urea . . . . . CO(NH<sub>2</sub>)<sub>2</sub>  
Mineralogical Magazine 39 (1973), 346
- D Ureyite . . . . . NaCr(SiO<sub>3</sub>)<sub>2</sub>  
Mineralogical Magazine 52 (1988), 535
- A Urcite . . . . . C<sub>5</sub>H<sub>4</sub>N<sub>4</sub>O<sub>3</sub>  
Mineralogical Magazine 39 (1974), 889
- A Urusovite . . . . . CuAlO(AsO<sub>4</sub>)  
European Journal of Mineralogy 12 (2000), 1041
- A Urvantsevite . . . . . Pd(Bi, Pb)<sub>2</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 105 (1976), 704
- A Ushkovite . . . . . MgFe<sup>3+</sup>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>•8H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 112 (1983), 42
- A Usovite . . . . . Ba<sub>2</sub>CaMgAl<sub>2</sub>F<sub>14</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 96 (1967), 63
- A Utahite . . . . . Cu<sub>5</sub>Zn<sub>3</sub>(TeO<sub>4</sub>)<sub>4</sub>(OH)<sub>8</sub>•7H<sub>2</sub>O  
Mineralogical Record 28 (1997), 175
- A Uvarovite . . . . . Ca<sub>3</sub>Cr<sub>2</sub>(SiO<sub>4</sub>)<sub>3</sub>  
Mineralogical Magazine 36 (1967), 134

- A Uytenbogaardtite . . . . .  $\text{Ag}_3\text{AuS}_2$   
Canadian Mineralogist 16 (1978), 651
- D Uzbekite . . . . .  $\text{Cu}_3\text{V}_2\text{O}_7(\text{OH})_2 \cdot 2\text{H}_2\text{O}$   
American Mineralogist 50 (1965), 2111
- A Uzonite . . . . .  $\text{As}_4\text{S}_5$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 114 (1985), 369
- D Vaalite . . . . .  $\text{Mg, Fe, Al, Si, O, H}_2\text{O}$   
Canadian Mineralogist 36 (1998), 905
- A Vajdakite . . . . .  $(\text{Mo}^{6+}\text{O}_2)_2\text{As}_2^{3+}\text{O}_5 \cdot 3\text{H}_2\text{O}$   
American Mineralogist 87 (2002), 983
- A Valentinite . . . . .  $\text{Sb}_2\text{O}_3$   
Mineralogical Magazine 43 (1980), 1053
- D Vallachite . . . . .  $\text{Al, Si, O}$   
Mineralogical Magazine 38 (1971), 103
- D Valléite . . . . .  $(\text{Mg, Fe, Ca, Mn})_7\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- D Valuevite . . . . .  $\text{CaMg}_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Vanadinaugite . . . . .  $(\text{Ca, Mg, Fe, V})_2\text{Si}_2\text{O}_6$   
Mineralogical Magazine 52 (1988), 535
- D Vanadinbronzite . . . . .  $(\text{Mg, V})\text{SiO}_3$   
Mineralogical Magazine 52 (1988), 535
- D Vanadlinglimer . . . . .  $\text{K(V, Al, Mg)}_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- D Vanadio-laumontite . . . . .  $\text{Ca(Al, V)}_2\text{Si}_4\text{O}_{12} \cdot 4\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Vanadiumdravite . . . . .  $\text{NaMg}_3\text{V}_6\text{Si}_6\text{O}_{18}(\text{BO}_3)_3(\text{OH})_4$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 130 (2001) (2), 59
- D Vanadium mica . . . . .  $\text{K(V, Al, Mg)}_2(\text{Si, Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Vanadomalayaite . . . . .  $\text{Ca(V, Ti)O}(\text{SiO}_4)$   
Neues Jahrbuch für Mineralogie, Monatshefte (1994), 489
- A Vanalite . . . . .  $\text{NaAl}_8\text{V}_{10}\text{O}_{38} \cdot 30\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- A Vanmeersscheite . . . . .  $\text{U(UO}_2)_3(\text{PO}_4)_2(\text{OH})_6 \cdot 4\text{H}_2\text{O}$   
Bulletin de Minéralogie 105 (1982), 125
- A Vantasselite . . . . .  $\text{Al}_4(\text{PO}_4)_3(\text{OH})_3 \cdot 9\text{H}_2\text{O}$   
Bulletin de Minéralogie 110 (1987), 647
- A Vanuralite . . . . .  $\text{Al(UO}_2)_2(\text{VO}_4)_2(\text{OH}) \cdot 11\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- D Vanuranylite . . . . .  $(\text{H}_3\text{O})_2(\text{UO}_2)_2\text{V}_2\text{O}_8 \cdot 3.6\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1968), 1144
- A Varennesite . . . . .  $\text{Na}_8(\text{Mn, Fe}^{3+}, \text{Ti})_2\text{Si}_{10}\text{O}_{25}(\text{OH, Cl})_2 \cdot 12\text{H}_2\text{O}$   
Canadian Mineralogist 33 (1995), 1073
- D Vargasite . . . . .  $\text{Ca, Mg, Fe, Si, O}$   
Mineralogical Magazine 52 (1988), 535
- A Variscite . . . . .  $\text{AlPO}_4 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 134
- A Vasilite . . . . .  $(\text{Pd, Cu})_{16}(\text{S, Te})_7$   
Canadian Mineralogist 28 (1990), 687
- A Vasilyevite . . . . .  $\text{Hg}_{10}^{2+}\text{O}_6\text{I}_3\text{Br}_2\text{Cl}(\text{CO}_3)$   
Canadian Mineralogist 41 (2003), 1167

- A Vaterite . . . . .  $\text{CaCO}_3$   
 Mineralogical Magazine 33 (1962), 260
- A Vaughanite . . . . .  $\text{TiHgSb}_4\text{S}_7$   
 Mineralogical Magazine 53 (1989), 79
- A Veatchite-A . . . . .  $\text{Sr}_2[\text{B}_5\text{O}_8(\text{OH})_2][\text{B}(\text{OH})_3] \cdot \text{H}_2\text{O}$   
 American Mineralogist 64 (1979), 362
- A Veatchite-p . . . . .  $(\text{Sr}, \text{Ca})_2[\text{B}_5\text{O}_8(\text{OH})_2]\text{B}(\text{OH})_3 \cdot \text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 261
- A Veenite . . . . .  $\text{Pb}_2(\text{Sb}, \text{As})_2\text{S}_5$   
 Canadian Mineralogist 9 (1967), 7
- A Velikite . . . . .  $\text{Cu}_2\text{HgSnS}_4$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchetstva 126 (1997) (4), 71
- A Verbeekite . . . . .  $\text{PdSe}_2$   
 Mineralogical Magazine 66 (2002), 173
- D Verdite . . . . .  $\text{K}(\text{Al}, \text{Cr})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Vergasovaite . . . . .  $\text{Cu}_3\text{OMoO}_4(\text{SO}_4)$   
 Schweizerische Mineralogische und Petrographische Mitteilungen 78 (1998), 479
- D Vernadskite . . . . .  $\text{Cu}_3\text{SO}_4(\text{OH})_4$   
 American Mineralogist 46 (1961), 146
- D Veron'ya slyuda . . . . .  $(\text{K}, \text{Li})(\text{Fe}, \text{Mg})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- D Verona earth . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$   
 Canadian Mineralogist 36 (1998), 905
- D Veronite . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$   
 Canadian Mineralogist 36 (1998), 905
- A Verplanckite . . . . .  $\text{Ba}_4\text{Mn}_2^{2+}\text{Si}_4\text{O}_{12}(\text{OH}, \text{H}_2\text{O})_3\text{Cl}_3$   
 American Mineralogist 50 (1965), 314
- D Verrucite . . . . .  $\text{Na}_2\text{Ca}_2\text{Al}_6\text{Si}_9\text{O}_{30} \cdot 8\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Versiliaite . . . . .  $(\text{Fe}^{2+}, \text{Fe}^{3+}, \text{Zn})_8(\text{Sb}^{3+}, \text{Fe}^{3+}, \text{As})_{16}\text{O}_{32}\text{S}_{1.3}$   
 American Mineralogist 64 (1979), 1230
- A Vertumnite . . . . .  $\text{Ca}_4\text{Al}_4\text{Si}_4\text{O}_6(\text{OH})_{24} \cdot 3\text{H}_2\text{O}$   
 Tschermaks Mineralogische und Petrographische Mitteilungen 24 (1977), 57
- D Vesuvian garnet . . . . .  $\text{KAlSi}_2\text{O}_6$   
 Canadian Mineralogist 35 (1997), 1571
- D Vesuvian (of Kirwan) . . . . .  $\text{KAlSi}_2\text{O}_6$   
 Canadian Mineralogist 35 (1997), 1571
- A Viaeneite . . . . .  $(\text{Fe}, \text{Pb})_4\text{S}_8\text{O}$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1995), 433
- A Vicanite-(Ce) . . . . .  $(\text{Ca}, \text{Ce}, \text{La}, \text{Th})_{15}\text{As}^{5+}(\text{As}^{3+}, \text{Na})_{0.5}\text{Fe}_{0.7}^{3+}\text{Si}_6\text{B}_4(\text{O}, \text{F})_{47}$   
 European Journal of Mineralogy 7 (1995), 439
- D Victorite . . . . .  $\text{MgSiO}_3$   
 Mineralogical Magazine 52 (1988), 535
- A Vigezzite . . . . .  $(\text{Ca}, \text{Ce})(\text{Nb}, \text{Ta}, \text{Ti})_2\text{O}_6$   
 Mineralogical Magazine 43 (1979), 459
- A Viitaniemiite . . . . .  $\text{Na}(\text{Ca}, \text{Mn}^{2+})\text{AlPO}_4(\text{F}, \text{OH})_3$   
 Geological Survey of Finland, Bulletin 314 (1981), 1 (see p. 51)
- A Vikingite . . . . .  $\text{Pb}_5\text{Ag}_2\text{Bi}_6\text{S}_{15}$   
 Bulletin of the Geological Society of Denmark 26 (1977), 41
- R Villamaninite . . . . .  $(\text{Cu}, \text{Ni}, \text{Co}, \text{Fe})\text{S}_2$   
 American Mineralogist 74 (1989), 1168

- A Villyaellenite . . . . .  $(\text{Mn}^{2+}, \text{Ca}, \text{Zn})_5(\text{AsO}_3\text{OH})_2(\text{AsO}_4)_2 \cdot 4\text{H}_2\text{O}$   
 Schweizerische Mineralogische und Petrographische Mitteilungen **64 (1984), 323**
- A Vimsite . . . . .  $\text{CaB}_2\text{O}_2(\text{OH})_4$   
 Doklady Akademiia Nauk, SSSR (USSR) **182 (1968), 821**
- A Vincentite . . . . .  $(\text{Pd}, \text{Pt})_3(\text{As}, \text{Sb}, \text{Te})$   
 Mineralogical Magazine **39 (1974), 525**
- A Vinciennite . . . . .  $\text{Cu}_{10}\text{Fe}_4\text{Sn}(\text{As}, \text{Sb})\text{S}_{16}$   
 Bulletin de Minéralogie **108 (1985), 447**
- D Violaite . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})_2\text{Si}_2\text{O}_6$   
 Mineralogical Magazine **52 (1988), 535**
- D Violan . . . . .  $(\text{Ca}, \text{Mg}, \text{Fe})_2\text{Si}_2\text{O}_6$   
 Mineralogical Magazine **52 (1988), 535**
- A Virgillite . . . . .  $\text{LiAlSi}_2\text{O}_6$   
 American Mineralogist **63 (1978), 461**
- D Viridine . . . . .  $(\text{Al}, \text{Mn})_2\text{SiO}_5$   
 Zeitschrift für Kristallographie **155 (1981), 8**
- D Viséite . . . . .  $\text{Ca}_{10}\text{Al}_{24}(\text{PO}_4)_{14}(\text{SiO}_4)_6\text{F}_3\text{O}_{13} \cdot 72\text{H}_2\text{O}$   
 Canadian Mineralogist **35 (1997), 1571**
- A Vismirnovite . . . . .  $\text{ZnSn}(\text{OH})_6$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **110 (1981), 492**
- A Vistepite . . . . .  $\text{Mn}_4\text{SnB}_2\text{O}_2(\text{Si}_2\text{O}_7)_2(\text{OH})_2$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **121 (1992) (4), 107**
- A Vitimite . . . . .  $\text{Ca}_6\text{B}_{14}\text{O}_{19}(\text{SO}_4)(\text{OH})_{14} \cdot 5\text{H}_2\text{O}$   
 Zapiski Vserossiskogo Mineralogicheskogo Obshchestva **131 (2002) (4), 41**
- A Vitusite-(Ce) . . . . .  $\text{Na}_3(\text{Ce}, \text{La}, \text{Nd})(\text{PO}_4)_2$   
 Neues Jahrbuch für Mineralogie, Abhandlungen **137 (1979), 42**
- R Vladimirite . . . . .  $\text{Ca}_5(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2 \cdot 5\text{H}_2\text{O}$   
 Bulletin de la Société Française de Minéralogie et de Cristallographie **87 (1964), 169**
- A Vlasovite . . . . .  $\text{Na}_2\text{ZrSi}_4\text{O}_{11}$   
 Mineralogical Magazine **36 (1967), 132**
- A Vlodavetsite . . . . .  $\text{Ca}_2\text{Al}(\text{SO}_4)_2\text{F}_2\text{Cl} \cdot 4\text{H}_2\text{O}$   
 Doklady Akademiia Nauk (in Russian). **343 (1995), 358**
- A Vochtenite . . . . .  $(\text{Fe}^{2+}, \text{Mg})\text{Fe}^{3+}(\text{UO}_2)_4(\text{PO}_4)_4(\text{OH}) \cdot 12\text{-}13\text{H}_2\text{O}$   
 Mineralogical Magazine **53 (1989), 473**
- A Voggite . . . . .  $\text{Na}_2\text{Zr}(\text{PO}_4)(\text{CO}_3)(\text{OH}) \cdot 2\text{H}_2\text{O}$   
 Canadian Mineralogist **28 (1990), 155**
- D Voigtite . . . . .  $\text{Mg}, \text{Fe}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
 Canadian Mineralogist **36 (1998), 905**
- A Volborthite . . . . .  $\text{Cu}_3\text{V}_2\text{O}_7(\text{OH})_2 \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine **36 (1968), 1145**
- R Volkonskoite . . . . .  $\text{Ca}_{0.3}(\text{Cr}, \text{Mg})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
 Clays and Clay Minerals **35 (1987) 139**
- A Volkovskite . . . . .  $\text{KCa}_4[\text{B}_5\text{O}_8(\text{OH})]_4[\text{B}(\text{OH})_3]_4\text{Cl} \cdot 4\text{H}_2\text{O}$   
 Mineralogical Magazine **36 (1968), 1144**
- A Volynskite . . . . .  $\text{AgBiTe}_2$   
 Mineralogical Magazine **36 (1968), 1144**
- A Vonbezingite . . . . .  $\text{Ca}_6\text{Cu}_3(\text{SO}_4)_3(\text{OH})_{12} \cdot 2\text{H}_2\text{O}$   
 American Mineralogist **77 (1992), 1292**
- A Vozhminite . . . . .  $(\text{Ni}, \text{Co})_4(\text{As}, \text{Sb})\text{S}_2$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva **111 (1982), 480**
- A Vuagnatite . . . . .  $\text{CaAlSiO}_4(\text{OH})$



- American Mineralogist 61 (1976), 825
- A Vulcanite . . . . . CuTe  
Mineralogical Magazine 36 (1967), 132
- A Vuonnemite . . . . .  $\text{Na}_{11}\text{Ti}^{4+}\text{Nb}_2(\text{Si}_2\text{O}_7)_2(\text{PO}_4)_2\text{O}_3(\text{F}, \text{OH})$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 423
- A Vuorelainenite . . . . .  $(\text{Mn}^{2+}, \text{Fe}^{2+})(\text{V}^{3+}, \text{Cr})_2\text{O}_4$   
Canadian Mineralogist 20 (1982), 281
- R Vuoriyarvite-K . . . . .  $(\text{K}, \text{Na}, \square)_{12}\text{Nb}_8(\text{Si}_4\text{O}_{12})_4\text{O}_8 \cdot 12\text{-}16\text{H}_2\text{O}$   
European Journal of Mineralogy 14 (2002), 165
- A Vyacheslavite . . . . .  $\text{U}^{4+}\text{PO}_4(\text{OH}) \cdot 2.5\text{H}_2\text{O}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 113 (1984), 360
- A Vyalsovite . . . . .  $\text{CaFeAlSi}(\text{OH})_5$   
American Mineralogist 77 (1992), 201
- A Vysotskite . . . . .  $(\text{Pd}, \text{Ni})\text{S}$   
Mineralogical Magazine 36 (1967), 132
- A Vyuntspakhkite-(Y) . . . . .  $\text{Y}(\text{Al}, \text{Si})(\text{SiO}_4)(\text{OH}, \text{O})_2$   
Mineralogicheskii Zhurnal 5 (1983) (4), 89
- A Wadalite . . . . .  $(\text{Ca}, \text{Mg})_6(\text{Al}, \text{Fe})_5\text{Si}_2\text{O}_{16}\text{Cl}_3$   
Acta Crystallographica 49C (1993), 205
- D Waddoite . . . . .  $\text{K}, \text{Al}, \text{Si}, \text{O} (?)$   
Canadian Mineralogist 36 (1998), 905
- A Wadsleyite . . . . .  $(\text{Mg}, \text{Fe})_2\text{SiO}_4$   
Canadian Mineralogist 21 (1983), 29
- A Wairakite . . . . .  $\text{Ca}(\text{Si}_4\text{Al}_2)\text{O}_{12} \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- A Wairauite . . . . .  $\text{CoFe}$   
Mineralogical Magazine 33 (1964), 942
- A Wakabayashilite . . . . .  $\text{SbAs}_{10}\text{S}_{18}$   
Geological Survey of Japan (1970), 92
- R Wakefieldite-(Ce) . . . . .  $(\text{Ce}, \text{La}, \text{Pb})\text{VO}_4$   
Bulletin de Minéralogie 110 (1987), 657
- R Wakefieldite-(Y) . . . . .  $\text{YVO}_4$   
American Mineralogist 51 (1966), 152
- D Waldheimite . . . . .  $\text{Na}_2\text{Ca}(\text{Mg}, \text{Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Walentaite . . . . .  $\text{H}_4\text{Ca}_4\text{Fe}_{12}^{3+}(\text{AsO}_4)_{10}(\text{PO}_4)_6 \cdot 28\text{H}_2\text{O}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1984), 169
- A Walfordite . . . . .  $(\text{Fe}^{3+}, \text{Te}^{6+}, \text{Ti}^{4+}, \text{Mg})\text{Te}_3^{4+}\text{O}_8$   
Canadian Mineralogist 37 (1999), 1261
- A Walkerite . . . . .  $\text{Ca}_{16}(\text{Mg}, \text{Li})_2[\text{B}_{13}\text{O}_{17}(\text{OH})_{12}]_4\text{Cl}_6 \cdot 28\text{H}_2\text{O}$   
Canadian Mineralogist 40 (2002), 1675
- D Wallerian . . . . .  $\text{Ca}_2(\text{Mg}, \text{Fe}, \text{Al})_5(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
American Mineralogist 63 (1978), 1023
- A Wallisite . . . . .  $\text{CuPbTlAs}_2\text{S}_5$   
Mineralogical Magazine 38 (1971), 103
- A Wallkilldellite . . . . .  $\text{Ca}_4\text{Mn}_6^{2+}(\text{AsO}_4)_4(\text{OH})_8 \cdot 18\text{H}_2\text{O}$   
American Mineralogist 68 (1983), 1029
- A Wallkilldellite-(Fe) . . . . .  $(\text{Ca}, \text{Cu})_4\text{Fe}_6(\text{AsO}_4, \text{SiO}_4)_4(\text{OH})_8 \cdot 18\text{H}_2\text{O}$   
Riviéra Scientifique 12 (1999), 5
- D Walouewite . . . . .  $\text{CaMg}_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905

- A Walstromite . . . . . BaCa<sub>2</sub>Si<sub>3</sub>O<sub>9</sub>  
American Mineralogist 50 (1965), 314
- A Walthierite . . . . . Ba<sub>0.5</sub>Al<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
American Mineralogist 77 (1992), 1275
- D Waluwite . . . . . CaMg<sub>2</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- D Walujewit . . . . . CaMg<sub>2</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>  
Canadian Mineralogist 36 (1998), 905
- A Wardsmithite . . . . . Ca<sub>5</sub>Mg(B<sub>4</sub>O<sub>7</sub>)<sub>6</sub>•30H<sub>2</sub>O  
American Mineralogist 55 (1970), 349
- A Warikahnite . . . . . Zn<sub>3</sub>(AsO<sub>4</sub>)<sub>2</sub>•2H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1979), 389
- D Warrenite . . . . . Pb<sub>4</sub>FeSb<sub>6</sub>S<sub>14</sub>  
Mineralogy and Petrology 64 (1998), 237
- D Warthaite . . . . . Pb, Ag, Bi, S  
Acta Universitatis Carolinae, Geologica (1963), no. 2, 115
- A Watanabeite . . . . . Cu<sub>4</sub>(As, Sb)<sub>2</sub>S<sub>5</sub>  
Mineralogical Magazine 57 (1993), 643
- A Watatsumiite . . . . . Na<sub>2</sub>KLiMn<sub>2</sub>V<sub>2</sub>Si<sub>8</sub>O<sub>24</sub>  
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Journal) 98 (2003), 142
- D Wathlingite . . . . . MgSO<sub>4</sub>•H<sub>2</sub>O  
Kali und Steinsalz 3 (1961), 221
- A Watkinsonite . . . . . PbCu<sub>2</sub>Bi<sub>4</sub>(Se, S)<sub>8</sub>  
Canadian Mineralogist 25 (1987), 625
- A Wattersite . . . . . Hg<sub>4</sub><sup>1+</sup>Hg<sup>2+</sup>O<sub>2</sub>(CrO<sub>4</sub>)  
Mineralogical Record 22 (1991), 269
- A Wavellite . . . . . Al<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>(OH, F)<sub>3</sub>•5H<sub>2</sub>O  
Mineralogical Magazine 38 (1971), 103
- A Wawayandaite . . . . . Ca<sub>6</sub>Be<sub>9</sub>Mn<sub>2</sub><sup>2+</sup>BSi<sub>6</sub>O<sub>23</sub>(OH, Cl)<sub>15</sub>  
American Mineralogist 75 (1990), 405
- A Waylandite . . . . . (Bi, Ca)Al<sub>3</sub>(PO<sub>4</sub>, SiO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
Annual Meeting of the Geological Society of America, Program Abstracts (1962),  
156A
- A Weeksite . . . . . (K, Ba)<sub>1-2</sub>(UO<sub>2</sub>)<sub>2</sub>(Si<sub>5</sub>O<sub>13</sub>)•H<sub>2</sub>O  
Mineralogical Magazine 33 (1962), 260
- A Wegscheiderite . . . . . Na<sub>5</sub>H<sub>3</sub>(CO<sub>3</sub>)<sub>4</sub>  
Mineralogical Magazine 36 (1967), 132
- D Wehrlite (of Huot) . . . . . Bi, Ag, Te  
Proceedings of the Japan Academy 58 (1982), 291
- R Weibullite . . . . . Ag<sub>0.3</sub>Pb<sub>5.3</sub>Bi<sub>8.3</sub>Se<sub>6</sub>S<sub>12</sub>  
American Mineralogist 65 (1980), 789
- D Weibyeite . . . . . Ca, Ce, CO<sub>3</sub>, H<sub>2</sub>O  
American Mineralogist 49 (1964), 1154
- R Weilerite . . . . . BaAl<sub>3</sub>(SO<sub>4</sub>)(AsO<sub>4</sub>)(OH)<sub>6</sub>  
American Mineralogist 72 (1987), 178
- A Weilite . . . . . Ca(AsO<sub>3</sub>OH)  
Bulletin de la Société Française de Minéralogie et de Cristallographie 86 (1963),  
368
- A Weinebeneite . . . . . CaBe<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>•4H<sub>2</sub>O  
Landesmuseum Joanneum 58 (1990), 37
- D Weinschenkite (of Laubman) . . . . . YPO<sub>4</sub>•2H<sub>2</sub>O

- Mineralogical Magazine 46 (1982), 513
- D Weinschenkite (of Murgoci) . . . . .  $\text{Ca}_2(\text{Mg, Fe, Al})_5(\text{Si, Al})_8\text{O}_{22}(\text{OH})_2$   
 American Mineralogist 63 (1978), 1023
- A Weishanite . . . . .  $(\text{Au, Ag})_{1.2}\text{Hg}_{0.8}$   
 Acta Mineralogica Sinica (in Chinese) 4 (1984), 102
- A Weissbergite . . . . .  $\text{TlSbS}_2$   
 American Mineralogist 63 (1978), 720
- D Weissian . . . . .  $\text{CaAl}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Welinite . . . . .  $(\text{Mn}^{4+}, \text{W})(\text{Mn}^{2+}, \text{Mg})(\text{SiO}_4)(\text{O, OH})_3$   
 Arkiv för Mineralogi och Geologi 4 (1967), 407
- D Wellsite . . . . .  $(\text{Ba, Ca, K}_2)(\text{Al}_2\text{Si}_6)\text{O}_{16} \cdot 6\text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Weloganite . . . . .  $\text{Na}_2(\text{Sr, Ca})_3\text{Zr}(\text{CO}_3)_6 \cdot 3\text{H}_2\text{O}$   
 Canadian Mineralogist 9 (1968), 468
- A Welshite . . . . .  $\text{Ca}_2\text{Mg}_4\text{Be}_2\text{Fe}^{3+}\text{Sb}^{5+}\text{Si}_4\text{O}_{20}$   
 Mineralogical Magazine 42 (1978), 129
- A Wendwilsonite . . . . .  $\text{Ca}_2(\text{Mg, Co})(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$   
 American Mineralogist 72 (1987), 217
- A Wenkite . . . . .  $\text{Ba}_4\text{Ca}_6(\text{Si, Al})_{20}\text{O}_{39}(\text{OH})_2(\text{SO}_4)_3 \cdot n\text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 132
- A Werdingite . . . . .  $(\text{Mg, Fe})_2\text{Al}_{14}\text{Si}_4\text{B}_4\text{O}_{37}$   
 American Mineralogist 75 (1990), 415
- A Wermlandite . . . . .  $(\text{Mg, Ca})_8(\text{Al, Fe}^{3+})_2(\text{OH})_{18}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$   
 Lithos 4 (1971), 213
- D Wernerite . . . . .  $(\text{Na, Ca})_4(\text{Si, Al})_{12}\text{O}_{24}(\text{Cl, CO}_3, \text{SO}_4)$   
 Mineralogical Magazine 51 (1987), 176
- A Wesselsite . . . . .  $\text{SrCuSi}_4\text{O}_{10}$   
 Mineralogical Magazine 60 (1996), 795
- A Westerveldite . . . . .  $(\text{Fe, Ni, Co})\text{As}$   
 American Mineralogist 57 (1972), 354
- D Westgrenite . . . . .  $(\text{Bi, Ca})(\text{Ta, Nb})_2(\text{O, OH})_7$   
 American Mineralogist 62 (1977), 403
- A Wheatleyite . . . . .  $\text{Na}_2\text{Cu}(\text{C}_2\text{O}_4)_2 \cdot 2\text{H}_2\text{O}$   
 American Mineralogist 71 (1986), 1240
- A Whewellite . . . . .  $\text{CaC}_2\text{O}_4 \cdot \text{H}_2\text{O}$   
 Mineralogical Magazine 36 (1967), 134
- D White garnet . . . . .  $\text{KAlSi}_2\text{O}_6$   
 Canadian Mineralogist 35 (1997), 1571
- A Whiteite-(CaFeMg) . . . . .  $\text{Ca}(\text{Fe}^{2+}, \text{Mn}^{2+})\text{Mg}_2\text{Al}_2(\text{PO}_4)_4(\text{OH})_2 \cdot 8\text{H}_2\text{O}$   
 Mineralogical Magazine 42 (1978), 309
- A Whiteite-(CaMnMg) . . . . .  $\text{CaMn}^{2+}\text{Mg}_2\text{Al}_2(\text{PO}_4)_4(\text{OH})_2 \cdot 8\text{H}_2\text{O}$   
 Canadian Mineralogist 27 (1989), 699
- A Whiteite-(MnFeMg) . . . . .  $\text{Mn}^{2+}\text{Fe}^{2+}\text{Mg}_2\text{Al}_2(\text{PO}_4)_4(\text{OH})_2 \cdot 8\text{H}_2\text{O}$   
 Mineralogical Magazine 43 (1979), 227
- A Whitmoreite . . . . .  $\text{Fe}^{2+}\text{Fe}^{3+}(\text{PO}_4)_2(\text{OH})_2 \cdot 4\text{H}_2\text{O}$   
 American Mineralogist 59 (1974), 900
- A Whittakerite . . . . .  $\text{Na}(\text{NaLi})(\text{Fe}^{3+}, \text{Mg, Li})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$   
 Canadian Mineralogist 41 (2003), 1355
- A Wickenburgite . . . . .  $\text{Pb}_3\text{CaAl}_2\text{Si}_{10}\text{O}_{27} \cdot 4\text{H}_2\text{O}$   
 American Mineralogist 53 (1968), 1433

- A Wickmanite . . . . .  $\text{Mn}^{2+}\text{Sn}^{4+}(\text{OH})_6$   
Arkiv för Mineralogi och Geologi 4 (1967), 395
- A Wicksite . . . . .  $\text{NaCa}_2(\text{Fe}^{2+}, \text{Mg})_2(\text{Fe}^{3+}, \text{Mn}^{2+}, \text{Fe}^{2+})_4(\text{PO}_4)_6 \cdot 2\text{H}_2\text{O}$   
Canadian Mineralogist 19 (1981), 377
- A Widenmannite . . . . .  $\text{Pb}_2\text{UO}_2(\text{CO}_3)_3$   
Jahresheft, Geologisches Landesamt in Baden Württemberg 4 (1961), 7
- A Widgiemoolthalite . . . . .  $\text{Ni}_5(\text{CO}_3)_4(\text{OH})_2 \cdot 4\text{-}5\text{H}_2\text{O}$   
American Mineralogist 78 (1993), 819
- A Wightmanite . . . . .  $\text{Mg}_5\text{O}(\text{BO}_3)(\text{OH})_5 \cdot 2\text{H}_2\text{O}$   
Mineralogical Magazine 36 (1967), 132
- D Wiikite . . . . . Ca, U, Y, Nb, Ta, Nb, O  
American Mineralogist 62 (1977), 403
- A Wilcoxite . . . . .  $\text{MgAl}(\text{SO}_4)_2\text{F} \cdot 18\text{H}_2\text{O}$   
Mineralogical Magazine 47 (1983), 37
- A Wilhelmkleinite . . . . .  $\text{ZnFe}_2^{3+}(\text{AsO}_4)_2(\text{OH})_2$   
Neues Jahrbuch für Mineralogie, Monatshefte (1998), 558
- A Wilhelmvierlingite . . . . .  $(\text{Ca}, \text{Zn})\text{Mn}^{2+}\text{Fe}^{3+}(\text{PO}_4)_2(\text{OH}) \cdot 2\text{H}_2\text{O}$   
Aufschluss 34 (1983), 267
- D Wilkeite . . . . . Ca,  $\text{PO}_4$ ,  $\text{SiO}_4$ , F, OH  
Mineralogical Magazine 46 (1982), 514
- A Wilkinsonite . . . . .  $\text{NaFe}_2^{2+}\text{Fe}^{3+}\text{Si}_3\text{O}_{10}$   
American Mineralogist 75 (1990), 694
- A Willemsite . . . . .  $(\text{Ni}, \text{Mg})_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Mineralogical Magazine 38 (1971), 103
- A Willhendersonite . . . . .  $\text{KCa}(\text{Si}_3\text{Al}_3)\text{O}_{12} \cdot 5\text{H}_2\text{O}$   
American Mineralogist 69 (1984), 186
- R Willyamite . . . . . (Co, Ni)SbS  
Australasian Institute of Mining and Metallurgy, Proceedings 233 (1970), 95
- A Wiluite . . . . .  $\text{Ca}_{19}(\text{Al}, \text{Mg})_{13}(\text{B}, \square, \text{Al})_5(\text{SiO}_4)(\text{Si}_2\text{O}_7)_4(\text{O}, \text{OH})_{10}$   
Canadian Mineralogist 36 (1998), 1301
- D Winchellite . . . . .  $\text{NaCa}_2\text{Al}_5\text{Si}_5\text{O}_{20} \cdot 6\text{H}_2\text{O}$   
Canadian Mineralogist 35 (1997), 1571
- R Winchite . . . . .  $\square\text{NaCa}(\text{Mg}, \text{Fe})_4(\text{Al}, \text{Fe}^{3+})(\text{Si}, \text{Al})_8\text{O}_{22}(\text{OH})_2$   
Canadian Mineralogist 35 (1997), 219
- A Winstanleyite . . . . .  $\text{TiTe}_3^{4+}\text{O}_8$   
Mineralogical Magazine 43 (1979), 453
- D Wittingite . . . . .  $(\text{Mn}, \text{Fe}, \text{Mg})\text{SiO}_3 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 42 (1978), 279
- D Wodanite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH})_2$   
Canadian Mineralogist 36 (1998), 905
- A Wodginite . . . . .  $\text{Mn}^{2+}(\text{Sn}^{4+}, \text{Ta})\text{Ta}_2\text{O}_8$   
Mineralogical Magazine 36 (1967), 132
- D Wolframo-ixiolite . . . . .  $(\text{Fe}, \text{Mn}, \text{Nb})(\text{Nb}, \text{W}, \text{Ta})\text{O}_4$   
Mineralogical Magazine 43 (1980), 1055
- A Wollastonite-1A . . . . .  $\text{CaSiO}_3$   
Mineralogical Magazine 33 (1962), 263
- A Wollastonite-2M . . . . .  $\text{CaSiO}_3$   
Mineralogical Magazine 33 (1962), 263
- A Wonesite . . . . .  $(\text{Na}, \text{K}, \square)(\text{Mg}, \text{Fe}, \text{Al})_6(\text{Si}, \text{Al})_8\text{O}_{20}(\text{OH}, \text{F})_4$   
American Mineralogist 66 (1981), 100
- A Woodallite . . . . .  $\text{Mg}_6\text{Cr}_2(\text{OH})_{16}\text{Cl}_2 \cdot 4\text{H}_2\text{O}$   
Mineralogical Magazine 65 (2001), 427

- D Woodfordite . . . . .  $\text{Ca}_6\text{Al}_2(\text{SO}_4)_3(\text{OH})_{12} \cdot 26\text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 262
- R Woodhouseite . . . . .  $\text{CaAl}_3(\text{SO}_4)(\text{PO}_4)(\text{OH})_6$   
 American Mineralogist 72 (1987), 178
- A Wooldridgeite . . . . .  $\text{Na}_2\text{CaCu}_2^{2+}(\text{P}_2\text{O}_7)_2 \cdot 10\text{H}_2\text{O}$   
 Mineralogical Magazine 63 (1999), 13
- D Wotanite . . . . .  $\text{K}(\text{Mg}, \text{Fe})_3(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- A Wroewolfeite . . . . .  $\text{Cu}_4\text{SO}_4(\text{OH})_6 \cdot 2\text{H}_2\text{O}$   
 Mineralogical Magazine 40 (1975), 1
- A Wülfingite . . . . .  $\text{Zn}(\text{OH})_2$   
 Neues Jahrbuch für Mineralogie, Monatshefte (1985), 145
- A Wupatkiite . . . . .  $(\text{Co}, \text{Mg}, \text{Ni})\text{Al}_2(\text{SO}_4)_4 \cdot 22\text{H}_2\text{O}$   
 Mineralogical Magazine 59 (1995), 553
- D Würfelzeolith . . . . .  $\text{Na}, \text{Ca}, \text{K}, \text{Al}, \text{Si}, \text{O}, \text{H}_2\text{O}$   
 Canadian Mineralogist 35 (1997), 1571
- A Wyartite . . . . .  $\text{CaU}^{5+}(\text{UO}_2)_2(\text{CO}_3)\text{O}_4(\text{OH}) \cdot 7\text{H}_2\text{O}$   
 Mineralogical Magazine 33 (1962), 260
- A Wycheproofite . . . . .  $\text{NaAlZr}(\text{PO}_4)_2(\text{OH})_2 \cdot \text{H}_2\text{O}$   
 Mineralogical Magazine 58 (1994), 635
- A Wyllieite . . . . .  $(\text{Na}, \text{Ca}, \text{Mn}^{2+}, \square)_2(\text{Mn}^{2+}, \text{Fe}^{2+})_2(\text{Al}, \text{Fe}^{3+})(\text{PO}_4)_3$   
 Mineralogical Record 4 (1973), 131
- R Xanthiosite . . . . .  $\text{Ni}_3(\text{AsO}_4)_2$   
 Mineralogical Magazine 35 (1965), 72
- D Xanthophyllite . . . . .  $\text{CaMg}_2\text{Si}_4\text{O}_{10}(\text{OH})_2$   
 Canadian Mineralogist 36 (1998), 905
- R Xanthoxenite . . . . .  $\text{Ca}_4\text{Fe}_2^{3+}(\text{PO}_4)_4(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
 Mineralogical Magazine 42 (1978), 309
- A Xenotime-(Y) . . . . .  $\text{YPO}_4$   
 American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Xenotime-(Yb) . . . . .  $\text{YbPO}_4$   
 Canadian Mineralogist 37 (1999), 1303
- A Xifengite . . . . .  $\text{Fe}_5\text{Si}_3$   
 Acta Petrologica, Mineralogica et Analytica (in Chinese) 3 (1984), 231
- A Xilingolite . . . . .  $\text{Pb}_3\text{Bi}_2\text{S}_6$   
 Acta Petrologica, Mineralogica et Analytica (in Chinese) 1 (1982), 14
- A Ximengite . . . . .  $\text{BiPO}_4$   
 Acta Mineralogica Sinica (in Chinese) 9 (1989), 15
- R Xitieshanite . . . . .  $\text{Fe}^{3+}\text{SO}_4\text{Cl} \cdot 6\text{H}_2\text{O}$   
 Scientia Geologica Sinica (in Chinese) (1989), 106
- A Xocomecatlite . . . . .  $\text{Cu}_3\text{TeO}_4(\text{OH})_4$   
 Mineralogical Magazine 40 (1975), 221
- A Yafsoanite . . . . .  $(\text{Ca}, \text{Pb})_3\text{Te}_2^{6+}\text{Zn}_3\text{O}_{12}$   
 Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 118
- A Yagiite . . . . .  $(\text{Na}, \text{K})_{1.5}\text{Mg}_2(\text{Al}, \text{Mg}, \text{Fe})_3(\text{Si}, \text{Al})_{12}\text{O}_{30}$   
 American Mineralogist 54 (1969), 14
- A Yakhontovite . . . . .  $(\text{Ca}, \text{Na}, \text{K})_{0.2}(\text{Cu}, \text{Fe}, \text{Mg})_2\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot 3\text{H}_2\text{O}$   
 Mineralogicheskii Zhurnal 8 (1986) (6), 80
- D Yamatoite . . . . .  $\text{Mn}_3\text{V}_2(\text{SiO}_4)_3$   
 Mineralogical Magazine 36 (1967), 133
- A Yanomamite . . . . .  $\text{InAsO}_4 \cdot 2\text{H}_2\text{O}$   
 European Journal of Mineralogy 6 (1994), 245

- D Yanzhongite . . . . . Pd(Te, Bi)  
Mineralogical Magazine 43 (1980), 1055
- A Yaroslavite . . . . .  $\text{Ca}_3\text{Al}_2\text{F}_{10}(\text{OH})_2 \cdot \text{H}_2\text{O}$   
Mineralogical Magazine 36 (1968), 1144
- A Yarrowite . . . . .  $\text{Cu}_{1.12}\text{S}$   
Canadian Mineralogist 18 (1980), 511
- A Yavapaiite . . . . .  $\text{KFe}^{3+}(\text{SO}_4)_2$   
Mineralogical Magazine 33 (1962), 260
- A Yecoraite . . . . .  $\text{Fe}_3^{3+}\text{Bi}_5\text{O}_9(\text{Te}^{4+}\text{O}_3)(\text{Te}^{6+}\text{O}_4)_2 \cdot 9\text{H}_2\text{O}$   
Sociedad Mexicana de Mineralogia, A.C. (in Spanish) 1 (1985), 10
- A Yedlinite . . . . .  $\text{Pb}_6\text{CrCl}_6(\text{O}, \text{OH}, \text{H}_2\text{O})_8$   
American Mineralogist 59 (1974), 1157
- A Ye'elimitite . . . . .  $\text{Ca}_4\text{Al}_6\text{O}_{12}\text{SO}_4$   
Geological Society of Israel, Current Research (1983-1984), 1
- D Yenshanite . . . . . (Pd, Ni)S  
Mineralogical Magazine 43 (1980), 1055
- D Yftsite . . . . .  $(\text{Y}, \text{Dy}, \text{Er}, \text{Yb})_4\text{TiO}(\text{SiO}_4)_2(\text{F}, \text{OH})_6$   
American Mineralogist 72 (1987), 1031
- A Yimengite . . . . .  $\text{K}(\text{Cr}, \text{Ti}, \text{Fe}, \text{Mg})_{12}\text{O}_{19}$   
Kexue Tongbao (in Chinese) 28 (1983), 932
- A Yingjiangite . . . . .  $\text{K}_2\text{Ca}(\text{UO}_2)_7(\text{PO}_4)_4(\text{OH})_6 \cdot 6\text{H}_2\text{O}$   
Acta Mineralogica Sinica (in Chinese) 10 (1990), 102
- A Yixunite . . . . .  $\text{Pt}_3\text{In}$   
Acta Geologica Sinica (in Chinese) 71 (1997), 332
- A Yoderite . . . . .  $(\text{Al}, \text{Mg})_4(\text{Mg}, \text{Al}, \text{Fe}^{3+})_3\text{O}_2(\text{SiO}_4)_4(\text{OH})_2$   
Mineralogical Magazine 33 (1962), 260
- A Yofortierite . . . . .  $(\text{Mn}^{2+}, \text{Mg})_5\text{Si}_8\text{O}_{20}(\text{OH})_2 \cdot 8\text{-}9\text{H}_2\text{O}$   
Canadian Mineralogist 13 (1975), 68
- D Yokosukaite . . . . .  $\text{Mn}(\text{O}, \text{OH})_2$   
American Mineralogist 48 (1963), 952
- A Yoshimuraite . . . . .  $\text{Ba}_2\text{TiMn}_2^{2+}\text{O}(\text{Si}_2\text{O}_7)(\text{PO}_4, \text{SO}_4)(\text{O}, \text{OH}, \text{Cl})$   
Mineralogical Magazine 36 (1967), 132
- A Yoshiokaite . . . . .  $\text{Ca}_{1-x}(\text{Al}, \text{Si})_2\text{O}_4$   
American Mineralogist 75 (1990), 676
- A Yttrialite-(Y) . . . . .  $(\text{Y}, \text{Th})_2\text{Si}_2\text{O}_7$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Yttrobetafite-(Y) . . . . .  $(\text{Y}, \text{U}, \text{Ce}, \square)_2(\text{Ti}, \text{Nb}, \text{Ta})_2(\text{O}, \text{OH})_7$   
Trudy Institut Mineralogiy, Geokhimiyy i Kristallokhimiyy Redkikh Elementov (in Russian) 8 (1962), 210
- A Yttrocolumbite-(Y) . . . . .  $(\text{Y}, \text{U}, \text{Fe}^{2+})(\text{Nb}, \text{Ta})\text{O}_4$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Yttrocrasite-(Y) . . . . .  $(\text{Y}, \text{Th}, \text{Ca}, \text{U})(\text{Ti}, \text{Fe})_2(\text{O}, \text{OH})_6$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- D Yttrohatchettolite . . . . .  $(\text{Y}, \text{Na}, \text{Ca}, \text{U})(\text{Nb}, \text{Ta}, \text{Ti})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- D Yttromicrolite . . . . .  $\text{Ca}, \text{Na}, \text{Y}, \text{Ta}, \text{SO}_4, \text{O}$   
American Mineralogist 67 (1982), 156
- R Yttropyrochlore-(Y) . . . . .  $(\text{Y}, \text{Na}, \text{Ca}, \square)_2(\text{Nb}, \text{Ta})_2(\text{O}, \text{OH})_7$   
American Mineralogist 62 (1977), 403
- A Yttrotantalite-(Y) . . . . .  $(\text{Y}, \text{U}, \text{Ca})(\text{Ta}, \text{Fe})_2(\text{O}, \text{OH})_6$   
American Mineralogist 72 (1987), 1031 (Appendix 2)
- R Yttrotungstite-(Ce) . . . . .  $\text{CeW}_2\text{O}_6(\text{OH})_3$

- Geological Society of Finland, Bulletin 42 (1970), 223
- A Yttrotungstite-(Y) . . . . . (Y, La, Ca)(W, Fe, Si, Al, Ti)<sub>2</sub>(O, OH, H<sub>2</sub>O)<sub>9</sub>  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Yuanfuliite . . . . . Mg(Fe<sup>3+</sup>, Al)O(BO<sub>3</sub>)  
Acta Petrologica et Mineralogica (in Chinese); = Yanshi Kuangwuxue Zashi 13  
(1994), 328
- A Yuanjiangite . . . . . AuSn  
Acta Petrologica et Mineralogica (in Chinese); = Yanshi Kuangwuxue Zashi 13  
(3) (1994), 232
- A Yugawaralite . . . . . Ca(Si<sub>6</sub>Al<sub>2</sub>)O<sub>16</sub>•4H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- A Yushkinite . . . . . (Mg, Al)(OH)<sub>2</sub>VS<sub>2</sub>  
Mineralogicheskiy Zhurnal 6 (1984) (5), 91
- A Yvonite . . . . . Cu(AsO<sub>3</sub>OH)•2H<sub>2</sub>O  
American Mineralogist 83 (1998), 383
- A Zabuyelite . . . . . Li<sub>2</sub>CO<sub>3</sub>  
Acta Mineralogica Sinica (in Chinese) 7 (1987), 221
- A Zaccagnaite . . . . . Zn<sub>4</sub>Al<sub>2</sub>(OH)<sub>12</sub>(CO<sub>3</sub>)•3H<sub>2</sub>O  
Acta Mineralogica-Petrographica, Szeged 37, Suppl. (1996), 76
- A Zaherite . . . . . Al<sub>12</sub>(SO<sub>4</sub>)<sub>5</sub>(OH)<sub>26</sub>•20H<sub>2</sub>O  
American Mineralogist 62 (1977), 1125
- A Zäirite . . . . . Bi(Fe<sup>3+</sup>, Al)<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>  
Bulletin de la Société Française de Minéralogie et de Cristallographie 98 (1975),  
351
- A Zajacite-(Ce) . . . . . Na(Ca, Ce, La, Nd)<sub>2</sub>F<sub>6</sub>  
Canadian Mineralogist 34 (1996), 1299
- A Zakharovite . . . . . Na<sub>4</sub>Mn<sub>5</sub><sup>2+</sup>Si<sub>10</sub>O<sub>24</sub>(OH)<sub>6</sub>•6H<sub>2</sub>O  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 111 (1982), 491
- A Zálesiite . . . . . CaCu<sub>6</sub>(AsO<sub>4</sub>)<sub>2</sub>(AsO<sub>3</sub>OH)(OH)<sub>6</sub>•3H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Abhandlungen 175 (1999), 105
- A Zanazziite . . . . . Ca<sub>2</sub>Be<sub>4</sub>(Mg, Fe<sup>2+</sup>)<sub>5</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>4</sub>•6H<sub>2</sub>O  
Mineralogical Record 21 (1990), 413
- A Zapatalite . . . . . Cu<sub>3</sub>Al<sub>4</sub>(PO<sub>4</sub>)<sub>3</sub>(OH)<sub>9</sub>•4H<sub>2</sub>O  
Mineralogical Magazine 38 (1972), 541
- A Zavaritskite . . . . . BiOF  
Mineralogical Magazine 36 (1967), 132
- A Zdenekite . . . . . NaPbCu<sub>5</sub>(AsO<sub>4</sub>)<sub>4</sub>Cl•5H<sub>2</sub>O  
European Journal of Mineralogy 7 (1995), 553
- D Zeagonite . . . . . K, Ca, Al, Si, O, H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Zeiringite . . . . . Ca, Zn, Cu, CO<sub>3</sub>, OH  
Fortschritte der Mineralogie 40 (1962), 60
- A Zektzerite . . . . . NaLiZrSi<sub>6</sub>O<sub>15</sub>  
American Mineralogist 62 (1977), 416
- A Zellerite . . . . . Ca(UO<sub>2</sub>)(CO<sub>3</sub>)<sub>2</sub>•5H<sub>2</sub>O  
American Mineralogist 51 (1966), 1567
- A Zemannite . . . . . Mg<sub>0.5</sub>(Zn, Mn<sup>2+</sup>)Fe<sup>3+</sup>(Te<sup>4+</sup>O<sub>3</sub>)<sub>3</sub>•4.5H<sub>2</sub>O  
Canadian Mineralogist 10 (1969), 139
- A Zemkorite . . . . . (Na, K)<sub>2</sub>Ca(CO<sub>3</sub>)<sub>2</sub>  
Doklady Akademiia Nauk, SSSR (USSR) 301 (1988), 188
- A Zenzénite . . . . . Pb<sub>3</sub>(Fe<sup>3+</sup>, Mn<sup>3+</sup>)<sub>4</sub>Mn<sup>4+</sup>O<sub>15</sub>  
Canadian Mineralogist 29 (1991), 347

- g Zeolite . . . . . Canadian Mineralogist 35 (1997), 1571
- D Zeolite mimetica . . . . . (Ca, K, Na)<sub>4</sub>(Si, Al)<sub>24</sub>O<sub>48</sub> • 13H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Zéolithe efflorescente . . . . . CaAl<sub>2</sub>Si<sub>4</sub>O<sub>12</sub> • 4H<sub>2</sub>O  
Canadian Mineralogist 35 (1997), 1571
- D Zeyringite . . . . . Ca, Zn, Cu, CO<sub>3</sub>, OH  
Fortschritte der Mineralogie 40 (1962), 60
- A Zhanghengite . . . . . CuZn  
Acta Mineralogica Sinica (in Chinese) 6 (3) (1986), 220
- A Zharchikhite . . . . . Al(OH)<sub>2</sub>F  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 117 (1988), 79
- A Zhemchuzhnikovite . . . . . NaMg(Al, Fe)(C<sub>2</sub>O<sub>4</sub>)<sub>3</sub> • 8H<sub>2</sub>O  
Mineralogical Magazine 36 (1967), 132
- A Zhonghuacerite-(Ce) . . . . . Ba<sub>2</sub>Ce(CO<sub>3</sub>)<sub>3</sub>F  
American Mineralogist 72 (1987), 1031 (Appendix 2)
- A Ziesite . . . . . Cu<sub>2</sub>V<sub>2</sub><sup>5+</sup>O<sub>7</sub>  
American Mineralogist 65 (1980), 1146
- D Zillerite . . . . . Ca<sub>2</sub>(Mg, Fe)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- D Zillertite . . . . . Ca<sub>2</sub>(Mg, Fe)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Zimbabweite . . . . . Na(Pb, Na, K)<sub>2</sub>(Ta, Nb, Ti)<sub>4</sub>As<sub>4</sub>O<sub>18</sub>  
Bulletin de Minéralogie 109 (1986), 331
- D Zincalunite . . . . . Zn, SO<sub>4</sub>  
Mineralogical Magazine 36 (1967), 133
- D Zinblende . . . . . ZnS  
Mineralogical Magazine 43 (1980), 1053
- A Zincgartrellite . . . . . Pb(Zn, Cu, Fe)<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>(H<sub>2</sub>O, OH)<sub>2</sub>  
Mineralogical Magazine 64 (2000), 1109
- D Zinc-manganese-cumingtonite . . . . . Mn<sub>2</sub>(Zn, Mg)<sub>5</sub>Si<sub>8</sub>O<sub>22</sub>(OH)<sub>2</sub>  
American Mineralogist 63 (1978), 1023
- A Zincochromite . . . . . ZnCr<sub>2</sub>O<sub>4</sub>  
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 116 (1987), 367
- R Zincohögbomite-2N2S . . . . . (Al, Zn, Fe, Ti)<sub>22</sub>(O, OH)<sub>32</sub>  
European Journal of Mineralogy 14 (2002), 395
- R Zincohögbomite-2N6S . . . . . Zn<sub>14</sub>(Al, Fe<sup>3+</sup>, Ti, Mg)<sub>8</sub>Al<sub>24</sub>O<sub>62</sub>(OH)<sub>2</sub>  
European Journal of Mineralogy 14 (2002), 395
- A Zincostauroilite . . . . . Zn<sub>4</sub>Al<sub>18</sub>Si<sub>8</sub>O<sub>40</sub>(OH)<sub>6</sub>  
European Journal of Mineralogy 15 (2003), 167
- A Zincovoltaitite . . . . . K<sub>2</sub>Zn<sub>5</sub>Fe<sub>3</sub><sup>3+</sup>Al(SO<sub>4</sub>)<sub>12</sub> • 18H<sub>2</sub>O  
Acta Mineralogica Sinica (in Chinese) 7 (1987), 307
- A Zincowoodwardite-3R . . . . . Zn<sub>1-x</sub>Al<sub>x</sub>(OH)<sub>2</sub>(SO<sub>4</sub>)<sub>x/2</sub> • nH<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (2000), 455
- A Zincroselite . . . . . Ca<sub>2</sub>Zn(AsO<sub>4</sub>)<sub>2</sub> • 2H<sub>2</sub>O  
Neues Jahrbuch für Mineralogie, Monatshefte (1986), 523
- A Zincsilite . . . . . Zn<sub>3</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub> • 4H<sub>2</sub>O (?)  
Mineralogical Magazine 33 (1962), 261
- A Zinc-zippeite . . . . . Zn(UO<sub>2</sub>)<sub>2</sub>(SO<sub>4</sub>)O<sub>2</sub> • 3.5H<sub>2</sub>O  
Canadian Mineralogist 14 (1976), 429
- g Zinnwaldite . . . . . K(Al, Fe, Li)<sub>3</sub>(Si, Al)<sub>4</sub>O<sub>10</sub>(OH)F  
Canadian Mineralogist 36 (1998), 905



- R Zippeite . . . . .  $K_3(UO_2)_4(SO_4)_2O_3(OH) \cdot 3H_2O$   
Canadian Mineralogist 14 (1976), 429
- R Zirconolite-2M . . . . .  $(Ca, Y)Zr(Ti, Mg, Al)_2O_7$   
Mineralogical Magazine 53 (1989), 565
- R Zirconolite-3O . . . . .  $(Ca, Fe, Y, Th)_2Fe(Ti, Nb)_3Zr_2O_{14}$   
Mineralogical Magazine 53 (1989), 565
- R Zirconolite-3T . . . . .  $CaZrTi_2O_7$   
Mineralogical Magazine 53 (1989), 565
- A Zircophyllite . . . . .  $K_2(Na, Ca)(Mn^{2+}, Fe^{2+})_7(Zr, Nb)_2Si_8O_{26}(OH)_4F$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 101 (1972), 459
- A Zircosulfate . . . . .  $Zr(SO_4)_2 \cdot 4H_2O$   
Mineralogical Magazine 36 (1968), 1144
- R Zirkelite . . . . .  $(Ti, Ca, Zr)O_{2-x}$   
Mineralogical Magazine 53 (1989), 565
- D Zirlite . . . . .  $Al(OH)_3$   
American Mineralogist 47 (1962), 1223
- A Zirsilite-(Ce) . . . . .  $(Na, \square)_{12}(Ce, Na)_3Ca_6Mn_3Zr_3NbSi_{25}O_{73}(OH)_3(CO_3) \cdot H_2O$   
Zapiski Vserossiskogo Mineralogicheskogo Obshchestva 132 (2003) (5), 40
- A Zirsinalite . . . . .  $Na_6(Ca, Mn, Fe)ZrSi_6O_{18}$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 103 (1974), 551
- D Zirsite . . . . .  $K, Na, Zr, Si$   
Mineralogical Magazine 36 (1967), 133
- A Zlatogorite . . . . .  $CuNiSb_2$   
Vestnik Moskovskogo Universiteta, Geologiya ser. ser. 4, 50 (1995) (5), 57
- A Znucalite . . . . .  $CaZn_{12}(UO_2)(CO_3)_3(OH)_{22} \cdot 4H_2O$   
Neues Jahrbuch für Mineralogie, Monatshefte (1990), 393
- A Zodacite . . . . .  $Ca_4Mn^{2+}Fe_4^{3+}(PO_4)_6(OH)_4 \cdot 12H_2O$   
American Mineralogist 73 (1988), 1179
- A Zorite . . . . .  $Na_6Ti_5Si_{12}O_{34}(O, OH)_5 \cdot 11H_2O$   
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 102 (1973), 54
- A Zoubekite . . . . .  $AgPb_4Sb_4S_{10}$   
Neues Jahrbuch für Mineralogie, Monatshefte (1986), 1
- A Zugshunstite-(Ce) . . . . .  $(Ce, Nd, La)Al(SO_4)_2(C_2O_4) \cdot 12H_2O$   
Geochimica et Cosmochimica Acta 65 (2001), 1101
- A Zussmanite . . . . .  $K(Fe, Mg, Mn)_{13}(Si, Al)_{18}O_{42}(OH)_{14}$   
Mineralogical Society of America Annual Meeting, Program Abstracts (1964)
- A Zvyagintsevite . . . . .  $Pd_3Pb$   
Geologiya Rudnykh Mestorozhdenii 8 (1966), 94
- D Zweiaxiger glimmer . . . . .  $KAl_2(Si, Al)_4O_{10}(OH)_2$   
Canadian Mineralogist 36 (1998), 905
- A Zýkaite . . . . .  $Fe_4^{3+}(AsO_4)_3SO_4(OH) \cdot 15H_2O$   
Neues Jahrbuch für Mineralogie, Monatshefte (1978), 134