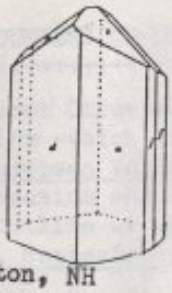


No. Groton, NH

MICROMOUNTERS OF NEW ENGLAND

SEPTEMBER 1985 NEWSLETTER #100

The next regular meeting of the Micromounters of New England will be Saturday, September 14, 1985 at the 23rd Annual Swap, Talk and Brag Day, sponsored by the Saco Valley Gem and Mineral Club. This will take place at the Kenneth A. Brett School in Tamworth, New Hampshire.(See map below.) Micromounters are asked to bring tables as well as the usual items. Tea, coffee and donuts are available all day. Donation of $1 is requested.

. . . . .

With this, our 100th Bulletin, we begin another year of monthly meetings. Several have already been planned, and a few have tentative dates. As editor, I have received several comments concerning the late arrival of bulletins. Some of the last issue apparently arrived only a couple of days before the Reiner's meeting. I have always tried to allow for enough time for the bulletin to arrive, but often holidays (such as the 4th of July, Labor Day, etc.,), and the ineffectual behavior of the postal system defeat my best efforts. Last year I began to note the following month's meeting place in the lower left corner of the front page of the bulletin. In this way I had hoped to allow people the opportunity of knowing when the next meeting was to take place, anticipating the likelihood of somewhat erratic bulletin delivery. I intend to continue this feature, and so, whatever the reasons, should your bulletin appear to be late in arriving, please consult the "NEXT MONTH" notice in the previous issue. In this way you will always be able to plan ahead and not miss future meetings.

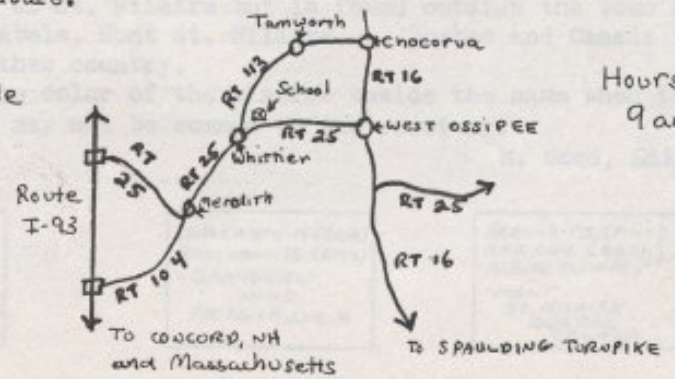
DID YOU FORGET SOMETHING?: Janet and Steve Cares are at present the trustees of two extension cords left behind by some members. The first cord is orange and was left behind at the Northeast Meeting. The second, a white cord, was abandoned in Sunapee. If you wish to retrieve your property, please contact the Cares.

Perhaps a good microtip for members would be to color code your micromounters paraphernalia. Perhaps if you placed some colored tape on all items(extention cords, adapters, pens, etc.) they will be readily returned in the event you accidentally leave them behind. Bob and I wrap sticky return address labels on everything, and that would serve as well.- S.N.M.

CONGRATULATIONS!!

Congratulations to Neil Briggs and Marie Hinckley upon their marriage. Our members' best wishes go to them for a bright and wonderful future.

Map:
Not to Scale



Hours:
9 am. to 5 p.m.

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Dues are $3.50 per year and are due on January 1st, payable to the Treasurer.

Contributions of news items for the Bulletin are welcome and should be sent to the Bulletin Editor.

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This bulletin may be quoted if credit is given.

→ NEXT MONTH

The MMNE will meet Saturday, Oct. 5, 1985 at the home of Vera & Forrest Fogg.

An informal meeting will be held Oct 26, 1985 at the RI Show.

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Janet Cares recently received information concerning the Baltimore Micromount Symposium -which will be September 27, 28, & 29, 1985. This year the Symposium's theme is: European Volcanics (with emphasis on Eifel, Germany and Italy). Notices concerning the symposium should be in the mail, but for those of you not on the mailing list, here is an outline of the three-day program:

Friday, September 27, 1985 at the LUTHERAN CHURCH HALL, ASCENSION LUTHERAN CHURCH, TOWSON, MD

7 p.m. Reception/Registration
8 p.m. Buffet (cold), Free
9 p.m. Hall of Fame Induction of Gunnar Bjareby & Richard Thomssen
9:45 p.m. Slide Program

Saturday, September 28, 1985 at the PINE GROVE MIDDLE SCHOOL

10 a.m. Lecture by Paul Desautels on symposium theme
11 a.m. Workshop
12 noon Sales/Lunch
2 p.m. Lecture by Curt Segeler on symposium theme
3 p.m. Sales/Swap/Workshop
4 p.m. Micromount techniques
5:30 p.m. Dinner (in school)
7 p.m. Theme Slide Program by Lou Perloff
8 p.m. Sales/ Identification Workshop
9:30 p.m. Social Hour & Slides

Sunday, September 29, 1985 at the PINE GROVE MIDDLE SCHOOL

10 a.m. Lecture on Laurium Greece by Robert Jaxel
11:30 a.m. Sales/Lunch
1 p.m. Final Workshop
3 p.m. Close of symposium

For further information concerning directions, motel accomodations, and camping see Shelley Monaghan at the September Meeting.

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From the May issue of the "CMMA MICRONEWS" comes the following:

When making up labels for your micro-mineral specimens when you're exchanging with people in other countries, please USE CAPITAL LETTERS when printing. This is how many a location gets mispelled because many of us tend to rush and it becomes a sort of scribble.

Most of us in our own area know what the label Aegirene - St. Hilaire means. We also know it isn't found in the town of St. Hilaire but is found outside the town on a mountain and so we should mark our labels, Mont St. Hilaire.....Quebec and Canada if you're exchanging with people in another country.

Another helpful bit is to put the color of the mineral beside the name when there are several minerals in the specimen and may not be common to the receiver.

M. Wood, Editor

THIS

HEMATITE XLS.
-WALLBRIDGE
IRON MINE
ELDORADO
ONTARIO
CANADA

NOT THIS

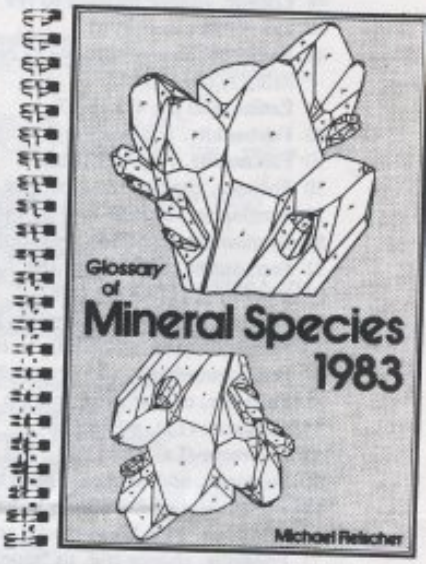
Hematite xls
- Wallbridge
Mine
Eldorado Ont.

CHALCANTHITE (BLUE)
BROCHANTITE (GRN.)
- GRANDVIEW
MINE
ARIZONA, U.S.A.

SERANDITE (PINK)
AEGIRINE (DARK)
ALBITE (WHITE)
-MONT
ST. HILAIRE
QUEBEC
CANADA

Additions & Corrections to the Glossary of Mineral Species 1983

by **Michael Fleischer**
Department of Mineral Sciences
Smithsonian Institution
Washington, D.C. 20560



In the eleven months from October 15, 1982, to September 15, 1983, the torrent of new data on minerals has not abated. This appended list of additions and corrections to the 1983 Glossary contains nearly 300 entries, 73 of which describe new minerals.

I am indebted to many friends for suggestions, and especially to Robert Cobban, Lakewood, Colorado; Jim Ferraiolo, Smithsonian Institution, Washington, D.C.; Andrew Palmer, Mayfield, New York; and George Shokal, San Carlos, California, for thoughtful and incisive comments that have led to improvements in the Glossary.

Page

2 **Aeschynite-(Nd)**, $(Nd,Ce,Ca)(Ti,Nb)_2(O,OH)_6$, orth.

2 **Agardite**, add **Mixite** group

2 Ainalite = tantalian **Cassiterite**

5 Alurgite change to "magnesian ferrian manganian **Muscovite**"

6 **Anduoite** in the reference, change 806 to 808

7 **Aphthitalite** change hex. to trig.

8 **Ardaite**, $Pb_{19}Sb_{13}S_{35}Cl_7$, mon., **68**, 642 (1983)

8 **Argutite**, GeO_2, tet., **Rutile** group

8 **Arhbarite**, $Cu_2(AsO_4)(OH)\cdot 6H_2O$, blue

9 **Arsendescloizite**, add **68**, 280 (1983)

10 **Atelestite**, change formula to $Bi_8(AsO_4)_3O_5(OH)_5$

12 **Balangeroite**, $(Mg,Fe^{+2},Fe^{+3},Mn^{+2})_{42}Si_{15}O_{54}(OH)_{36}$, orth., brown, fib., compare **Gageite**, **68**, 214–219 (1983)

12 **Bannermanite**, formula $(Na,K)_xV_x^{+4}V_{6-x}^{+5}O_{15}$, add **68**, 634–642 (1983)

13 **Baricite**, add "compare **Vivianite.**"

14 **Bassanite**, change trig. to hex.

14 **Becquerelite**, formula $Ca(UO_2)_6O_4(OH)_6\cdot 8H_2O$

15 **Benavidesite**, add **68**, 280 (1983)

16 **Berdesinskiite**, add **67**, 1074 (1982)

17 **Billietite**, formula $Ba(UO_2)_6O_4(OH)_6\cdot 8H_2O$

18 **Bismite**, delete "dimorph. with **Sillenite**"

18 **Bismutostibiconite**, $Bi(Sb^{+5},Fe^{+3})_2O_7$, cub., **Stibiconite** group

19 **Boleite**, change formula to $Pb_{26}Ag_{10}Cu_{24}Cl_{62}(OH)_{48}\cdot 3H_2O$

19 **Bonshtedtite**, $Na_3Fe^{+2}(PO_4)(CO_3)$, mon., ps. orth., compare **Bradleyite**, **Sidorenkite**

20 **Bradleyite**, add "compare **Bonshtedtite**"

23 **Burangaite**, add "compare **Natrodufrenite**"

24 **Cabriite**, Pd_2SnCu, orth., Can Mineral. **21**, 481–487 (1983)

24 **Calciobetafite**, $(Ca,Na,Ce,U,Th)_2Zr_2(Ti,Nb,Fe)_4O_{14}$, cub., **Pyrochlore** group, dimorph. with **Zirkelite**, **68**, 262–276 (1983)

24 **Calciotantite**, add **68**, 471 (1983)

26 **Carboirite**, $Fe^{+2}Al_2GeO_5(OH)_2$, tric., green, forms a series with **Chloritoid**

26 **Carnotite**, add "compare **Margaritasite**"

27 **Cassidyite**, change formula to $Ca_2(Ni,Mg)(PO_4)_2\cdot 2H_2O$

27 Cathophorite, move to precede Catoptrite

28 **Cechite**, add **67**, 1074 (1982)

29 **Cesstibtantite**, change formula to $(Cs,Na)SbTa_4O_{12}$, add "compare **Natrobistantite**"

29 **Chalcostibite**, change formula to $CuSbS_2$

30 **Chameanite**, add **67**, 1074–1075 (1982)

30 **Chessexite**, $Na_4Ca_2(Mg,Zn)_3Al_8(SiO_4)_2(SO_4)_{10}(OH)_{10}\cdot 40H_2O$, orth.

31 **Chiavennite**, $CaMnBe_2Si_5O_{13}(OH)_2\cdot 2H_2O$, orth., orange, **68**, 623–633 (1983)

31 **Chloritoid**, add "forms a series with **Carboirite**"

31 **Chlormagaluminite**, add **68**, 849 (1983)

31 **Chlorophoenicite**, add "compare **Jarosewichite**"

32 **Chloroxiphite**, should precede **Choloalite**

32 **Chromdravite**, $NaMg_3(Cr,Fe^{+3})_6(BO_3)_3Si_6O_{18}(OH)_4$, trig., dark green, **Tourmaline** group

33 **Claraite**, add **68**, 471 (1983)

35 **Collinsite**, change formula to Ca_2

35 **Colusite**, change formula to $Cu_{26}V_2(As,Sn,Sb)_6S_{32}$

36 **Compreignacite**, formula is $K_2(UO_2)_6O_4(OH)_6\cdot 8H_2O$

37 **Coyoteite**, $NaFe_3S_5\cdot 2H_2O$, tric., **68**, 245–254 (1983)

38 **Cronstedtite**, formula $Fe_2^{+2}Fe^{+3}(SiFe^{+3})O_5(OH)_4$

39 **Cuztiçite**, add **68**, 471 (1983)

39 **Cyanophillite** misspelled

40 **Daomanite**, add **65**, 408 (1980)

42 **Dervillite**, Ag_2AsS_2, mon.

44 **Dufrenite**, add "compare **Natrodufrenite**"

45 **Dwornikite**, $(Ni,Fe^{+2})SO_4\cdot H_2O$, mon., **Kieserite** group, **68**, 642 (1983)

48 **Ericaite**, change formula to $(Fe^{+2},Mg,Mn)_3B_7O_{13}Cl$
48 **Ericssonite**, misspelled
49 **Eudialyte**, change formula to $Na_4(Ca,Ce)_2(Fe^{+2},Mn)ZrSi_8O_{22}(OH,Cl)_2$
49 **Eztlite**, add **68**, 471 (1983)
50 **Fairbankite**, add "dimorph. with **Plumbotellurite**"
50 **Falkmanite**, $Pb_5Sb_4S_{11}$, mon.
50 **Fedorite**, change mon., ps. hex. to tric.
51 Fengluanite, change 1981 to 1980
51 **Fergusonite-beta-(Nd)**, $(Nd,Ce)NbO_4$, mon.
51 **Ferri-annite**, $K(Fe^{+2},Mg)_3(Fe^{+3},Al)Si_3O_{10}(OH)_2$, mon., **Mica** group, **67**, 1179–1194 (1982)
53 **Ferrocolumbite**, add "compare **Magnocolumbite**"
53 **Ferrokaersutite**, add $(OH)_2$ to the formula
54 **Ferropumpellyite**, add "Pumpellyite group"
55 **Fichtelite**, change orth. to mon.
55 **Florencite-(La)**, misspelled
55 **Fluocerite-(La)**, $(La,Ce)F_3$, hex.
56 **Fornacite**, add "compare **Molybdofornacite**"
56 **Forsterite**, change "dimorph. with **Ringwoodite**" to "trimorph. with **Ringwoodite** and **Wadsleyite**"
57 **Friedelite**, change trig. to "mon., ps. trig."
57 **Fülöppite**, reference should be **15**, 201–202 (1930)
57 **Furutobeite**, add **67**, 1075 (1982)
58 **Gageite**, change formula to $(Mn,Mg,Zn)_{42}Si_{13}(O,OH)_{90}$, add "compare **Balangeroite**"
59 **Gebhardite**, change formula to $Pb_8(As_2^{+3}O_5)_2OCl_6$
59 **Geffroyite**, add **67**, 1074–1075 (1982)
60 **Georgiadesite**, formula is $Pb_{16}(AsO_4)_4Cl_{14}O_2(OH)_2$, or $Pb_{16}(AsO_4)_4Cl_{14}(OH)_4$. Change orth. to mon.
61 **Giraudite**, add **67**, 1074–1075 (1982)
62 **Gobbinsite**, $Na_4(Ca,Mg,K_2)Al_6Si_{10}O_{32}\cdot 12H_2O$, tet., **Zeolite** group, **68**, 642–643 (1983)
62 **Gordonite**, add "**Paravauxite** group"
62 **Gortdrumite**, $(Cu,Fe)_6Hg_2S_5$, orth., Mineralog. Mag. **47**, 35–36 (1983)
63 **Goudeyite**, add "**Mixite** group"
63 **Grayite**, add "compare **Ningyoite**, **Rhabdophane**"
64 **Grossular**, change "forms two series" to "forms three series"
65 **Gustavite**, add "forms a series with Lillianite"
67 **Hausmannite**, delete "compare **Iwakiite**"
69 **Hetaerolite**, delete "compare **Iwakiite**"
69 **Hewettite**, change orth. to mon.
70 **Hingganite-(Y)**, $(Y,Yb,Er)BeSiO_4(OH)$, mon., compare **Datolite**
70 **Hingganite-(Yb)**, $(Yb,Y)BeSiO_4(OH)$, mon., compare **Datolite**
71 Hokutolite = plumboan **Barite**, $(Ba,Pb)SO_4$
71 **Honessite**, change **Pyroaurite** group to **Hydrotalcite** group
73 **Hyalotekite**, $(Ba,Pb,Ca,K)_6(B,Si,Al)_2(Si,Be)_{10}O_{28}(F,Cl)$, tric., ps. mon., **67**, 1012–1020 (1982)
73 **Hydrobiotite**, 1:1 regular interstratification of **Biotite** and **Vermiculite** layers, mon., **Mica** group, **68**, 420–425 (1983)
73 **Hydrombobomkulite**, correct misspelling and move to p. 74
77 **Imogolite**, add **54**, 50–71 (1969)
78 **Iraqite**, change hex. to tet.
78 **Isomertieite**, add **68**, 851 (1983)
79 **Jarosewichite**, $Mn^{+2}Mn^{+3}(AsO_4)(OH)_6$, orth., dark red, compare **Chlorophoenicite** and **Magnesium-chlorophoenicite**, **67**, 1043–1047 (1982)
79 **Jeanbandyite**, add **68**, 471–472 (1983)
80 **Johannite**, add **68**, 851 (1983)
80 **Johillerite**, add **67**, 1075 (1982)
81 **Julgoldite**, add "**Pumpellyite** group"
84 **Keckite**, add "compare **Whiteite**"
84 **Kegelite**, formula should be $Pb_{12}(Zn,Fe^{+2})_2Al_4(SO_4)_4Si_{11}O_{38}$
84 **Kermesite**, change mon. to tric., ps. mon.
85 **Khademite**, add "compare **Rostite**"
87 **Kolfanite**, add **68**, 280 (1983)
87 **Konyaite**, $Na_2Mg(SO_4)_2\cdot 5H_2O$, mon., **67**, 1035–1038 (1982?
87 **Korshunovskite**, misspelled, add **68**, 643 (1983)
88 **Krinovite**, add "Aenigmatite group"
89 Kurgantaite = strontian **Tyretskite**
90 **Laffittite**, add "compare **Marrite**"
90 **Langite**, change "trimorph. with **Posnjakite** and **Wroewolfeite**" to "dimorph. with **Wroewolfeite**"
90 **Lannonite**, $HCa_4Mg_2Al_4(SO_4)_8F_9\cdot 3H_2O$, tet., Mineralog. Mag. **47**, 37–40 (1983)
91 **Laueite**, add "**Paravauxite** group"
91 **Lawsonbauerite**, change formula to $(Mn,Mg)_9Zn_4(SO_4)_2(OH)_{22}\cdot 8H_2O$, add **67**, 1029–1034 (1982)
93 **Lermontovite**, change formula to $U^{+4}(PO_4)(OH)\cdot H_2O$ (?), add "orth., fib., gray-green"
93 **Levyne**, correct spelling of Levynite
94 **Liebigite**, change formula to $Ca_2(UO_2)(CO_3)_3\cdot 11H_2O$
94 **Lillianite**, add "forms a series with **Gustavite**"
94 **Lindsleyite**, $(Ba,Sr)(Ti,Cr,Fe,Mg,Zr)_{21}O_{38}$, trig., black, **Crichtonite** group, **68**, 494–505 (1983)
94 **Lithiotantite**, $Li(Ta,Nb)_3O_8$, mon.
94 **Lithosite**, $K_6Al_4Si_8O_{25}\cdot 2H_2O$, mon., ps. orth.
95 **Lotharmeyerite**, $CaZnMn^{+3}(AsO_4)_2\cdot 2H_2O$, reddish-orange, Mineralog. Record **14**, 35–36 (1983), **68**, 849 (1983)
95 **Loudounite**, $NaCa_3Zr_4Si_{16}O_{40}(OH)_{11}\cdot 8H_2O$, Can. Mineral. **21**, 37–40 (1983)
96 **Luddenite**, $Pb_2Cu_2Si_5O_{14}\cdot 14H_2O$, mon., green, **68**, 643 (1983)
96 **Lun'okite**, $(Mn,Ca)(Mg,Fe^{+2},Mn)Al(PO_4)_2(OH)\cdot 4H_2O$, orth., **Overite** group
97 **Machatschkiite**, change formula to $(Ca,Na)_6(As^{+5}O_4)(As^{+5}O_3OH)_3(PO_4,SO_4)\cdot 15H_2O$. Add **68**, 851–852 (1983)
100 **Makatite**, change orth. to mon., add **68**, 852 (1983)
101 **Mansfieldite**, correct spelling of **Scorodite**
102 **Marcasite**, add "orth."
102 **Margaritasite**, $(Cs,K,H_3O)(UO_2)_2(VO_4)_2\cdot H_2O$, mon., yellow, compare **Carnotite**, **Tyuyamunite**, **67**, 1273–1289 (1982)
102 **Marrite**, add "compare **Laffittite**"
102 **Mathiasite**, $(K,Ca,Sr)(Ti,Cr,Fe,Mg)_{21}O_{38}$, trig., black, **Crichtonite** group, **68**, 494–505 (1983)
103 **McGillite**, change trig. to "mon., ps. trig."
104 **Meixnerite**, formula should be $Mg_6Al_2(OH)_{18}\cdot 4H_2O$
104 **Melanothallite**, Cu_2OCl_2, orth., black, **68**, 852 (1983)
105 **Mertieite-II**, change 1975 to 1976
106 **Metahewettite**, $CaV_6O_{16}\cdot 3H_2O$, mon., deep red
106 **Metakoettigite**, $(Zn,Fe^{+3},Fe^{+2})_3(AsO_4)_2\cdot 8(H_2O, OH)$, tric., bluish-gray, compare **Metavivianite**, **Symplesite**
107 **Metastudtite**, $UO_4\cdot 2H_2O$, orth., pale yellow, **68**, 456–458 (1983)
107 **Metavanmeersscheite**, add **67**, 1077 (1982)
107 **Metavivianite**, add "compare **Metakoettigite**"
107 **Mgriite**, add **68**, 280–281 (1983)
108 **Miharaite**, formula should be $PbCu_4FeBiS_6$
108 **Minrecordite**, add **68**, 281 (1983)
109 **Mixite**, add "Mixite group"
109 **Mohite**, add **68**, 281 (1983)
109 **Mohsite**, add **68**, 474 (1983)
109 **Molybdofornacite**, $Pb_2Cu[(As,P)O_4][(Mo,Cr)O_4](OH)$, mon., light green, compare **Fornacite**, **Vauquelinite**
110 **Molybdophyllite**, change hex. to trig.
110 **Monazite-(Nd)**, $(Nd,La,Ce)PO_4$, mon., **68**, 849 (1983)
110 **Moncheite**, change hex. to trig.
111 **Mooreite**, formula $(Mg,Zn,Mn)_{15}(SO_4)_2(OH)_{26}\cdot 8H_2O$, add **68**, 474 (1983)

112 **Mountkeithite**, formula $(Mg,Ni)_{11}(Fe^{+3},Cr,Al)_3(OH)_{24}(SO_4,CO_3)_{3.5}\cdot 11H_2O$

112 **Mundrabillaite**, $(NH_4)_2Ca(HPO_4)_2\cdot H_2O$, mon., Mineral. Mag. **47**, 80–81 (1983)

112 **Musgravite**, $(Mg,Fe^{+2},Zn)_2Al_6BeO_{12}$, trig., green, compare **Pehrmanite**

113 **Nabaphite**, $NaBaPO_4$, cub., compare **Nastrophite**, **68**, 643–644 (1983)

113 **Namuwite**, add **68**, 281 (1983)

114 **Nastrophite**, add "compare **Nabaphite**"

114 **Natanite**, add **67**, 1077 (1982)

114 **Natrite**, add **68**, 281–282 (1983)

114 **Natrobistantite**, $(Na,Cs)Bi(Ta,Nb,Sb)_4O_{12}$, cub., bluish- to yellowish-green, **Pyrochlore** group, compare **Cesstibtantite**

114 **Natrodufrenite**, $Na(Fe^{+3},Fe^{+2})(Fe^{+3},Al)_3(PO_4)_4(OH)_6\cdot 2H_2O$, mon., bronze-green, compare **Dufrenite**, **Burangaite**

115 **Neltnerite**, add **68**, 282 (1983)

115 **Niahite**, $(NH_4)(Mn^{+2},Mg,Ca)PO_4\cdot H_2O$, orth., pale orange, Mineralog. Mag. **47**, 79–88 (1983)

116 **Niggliite**, add "**Nickeline** group"

117 Niobozirconolite, change 1965 to 1961

117 **Niocalite**, $Ca_{14}Nb_2(Si_2O_7)_4O_6F_2$, mon.

117 **Nolanite**, change formula to $(V^{+3},Fe^{+2},Fe^{+3},Ti)_{10}O_{14}(OH)_2$, add **68**, 833–839 (1983)

119 **Ohmilite**, $Sr_3(Ti,Fe^{+3})(Si_2O_6)_2(O,OH)\cdot 2\text{–}3H_2O$, mon., pink, **68**, 811–817 (1983)

119 The order should be **Ojuelaite**, **Okanoganite**, **Okenite**, **Oldhamite**

119 **Okenite**, change formula to $Ca_{10}Si_{18}O_{46}\cdot 18H_2O$, add **68**, 614–622 (1983)

120 **Orickite**, near $2CuFeS_2\cdot H_2O$, hex., brass-yellow, **68**, 245–254 (1983)

122 **Oursinite**, $(Co,Mg)(UO_2)_2Si_2O_7\cdot 6H_2O$, orth., pale yellow

122 **Overite**, add "**Overite** group"

123 **Parachrysotile**, add "polymorph. with **Orthochrysotile**"

125 **Paravauxite**, add "**Paravauxite** group"

125 **Parisite**, change hex. to trig.

126 **Pehrmanite**, change formula to $(Fe^{+2},Zn,Mg)_2Al_6BeO_{12}$, add "compare **Musgravite**"

126 **Peisleyite**, $Na_3Al_{16}(SO_4)_2(PO_4)_{10}(OH)_{17}\cdot 20H_2O$, mon., **68**, 849–850 (1983)

127 **Petersite**, $(Y,Ce,Nd,Ca)Cu_6(PO_4)_3(OH)_6\cdot 3H_2O$, hex., yellow-green, **Mixite** group, **67**, 1039–1042 (1982)

128 **Phaunouxite**, $Ca_3(AsO_4)_2\cdot 11H_2O$, tric., **68**, 850 (1983)

129 **Pilsenite**, Bi_4Te_3, trig.

131 **Plumbotellurite**, add "dimorph. with **Fairbankite**"

131 **Posnjakite**, delete "trimorph. with **Langite** and **Wroewolfeite**"

132 **Preisingerite**, add "compare **Schumacherite**"

133 **Pumpellyite**, add "**Pumpellyite** group"

133 **Pumpellyite-(Mn)**, add "**Pumpellyite** group"

135 **Raite**, change formula to $Na_4Mn_4Si_8(O,OH)_{24}\cdot 8\text{–}10H_2O$ (?)

135 **Ramdohrite**, change formula to $Pb_6Ag_3Sb_{11}S_{24}$, change orth. to mon., twinned

136 **Rayite**, $(Ag,Tl)_2Pb_6Sb_8S_{21}$, mon., compare **Semseyite**

136 **Rebulite**, $Tl_5Sb_5As_8S_{22}$, mon., **68**, 644 (1983)

136 **Reinhardbraunsite**, $Ca_5(SiO_4)_2(OH,F)_2$, mon.

137 **Revdite**, add **67**, 1076 (1982)

137 **Rhodplumsite**, $Pb_2Rh_3S_2$, trig., compare **Shandite**

138 **Richelsdorfite**, $Ca_2Cu_5Sb(AsO_4)_4Cl(OH)_6\cdot 6H_2O$, mon., blue

138 **Ringwoodite**, change "dimorph. with **Forsterite**" to "trimorph. with **Forsterite** and **Wadsleyite**"

139 **Roggianite**, change formula to $Ca_8Al_8Si_{16}O_{44}(OH)_{16}\cdot 13H_2O$, add **68**, 852 (1983)

139 **Rokühnite**, $Fe^{+2}Cl_2\cdot 2H_2O$, mon., **66**, 219 (1981)

139 **Romanechite**, change orth. to mon.

140 **Rostite**, compare **Khademite**

144 **Sayrite**, $Pb(UO_2)_5O_6(OH)_2\cdot 4H_2O$, mon., yellowish- to reddish-orange

146 **Scholzite**, change mon., ps. orth. to orth.

146 **Schumacherite**, $Bi_3[(V,As,P)O_4]_2O(OH)$, tric., yellow, compare **Preisingerite**

147 **Searlesite**, change reference to **61**, 123–129 (1976)

147 **Segelerite**, add "**Overite** group"

147 **Semseyite**, add "compare **Rayite**"

148 **Shafranovskite**, $(Na,K)_6(Mn^{+2},Fe^{+2})_3Si_9O_{24}\cdot 6H_2O$, trig., olive-green to yellow-green, **68**, 644 (1983)

148 change **Shahovite** to **Shakhovite**, mon., change formula to $Hg_4Sb(OH)_3O_3$

148 **Shandite**, add "compare **Rhodplumsite**"

149 **Shuiskite**, add "**Pumpellyite** group"

149 **Sidorenkite**, add "compare **Bonshtedtite**"

149 **Sigloite**, add "**Paravauxite** group"

149 **Sillenite**, change formula to $Bi_{12}SiO_{20}$ and delete "dimorph. with **Bismite**"

150 **Simonite**, $TlHgAs_3S_6$, mon., red

152 **Sopcheite**, add **68**, 472 (1983)

152 **Sosedkoite**, $(K,Na)_5Al_2(Ta,Nb)_{22}O_{60}$, orth., **68**, 644 (1983)

153 **Spertiniite** should follow **Sperrylite**

153 **Srilankite**, $(Ti,Zr)O_2$, orth., blackish-brown

153 **Stanleyite**, $VOSO_4\cdot 6H_2O$, orth., deep blue, **68**, 644–645 (1983)

154 **Staurolite**, change orth. to mon., ps. orth.

154 **Steacyite**, add **68**, 472 (1983)

157 **Sulfoborite**, change formula to $Mg_3B_2(SO_4)(OH)_8(OH,F)_2$, add **68**, 255–261 (1983)

157 **Sulphotsumoite** should follow **Sulphohalite**

157 **Surinamite**, add **68**, 804–810 (1983)

158 **Suzukiite**, correct spelling of **Haradaite**, add **68**, 282 (1983)

158 **Sveite**, add **67**, 1076 (1982)

158 Svetlozarite = twinned **Dachiardite**, Mineralog. Mag. **46**, 157–161 (1982)

158 **Symplesite**, add "compare **Metakoettigite**"

158 **Synadelphite**, change orth. to tric., ps. orth.

158 **Synchysite**, change hex. to ps. hex.

159 **Synchysite-(Nd)**, change hex. to ps. hex.

160 Taaffeite-9R = **Musgravite**

161 **Tantite**, Ta_2O_5, tric. (?)

161 Taprobanite = **Taaffeite**, **67**, 1076 (1982)

161 **Taramellite**, change formula to $Ba_4(Fe^{+3},Ti,Fe^{+2},Mg,V^{+3})_4Si_8B_2O_{29}Cl$

162 **Tengerite**, change tet.(?) to orth.

162 **Terskite**, $Na_4ZrSi_6O_{15}(OH)_2\cdot H_2O$, orth., ps. tet., colorless to pale lilac

163 Texasite, change 159 to 169

163 **Theisite**, add **68**, 282 (1983)

165 **Tobelite**, $(NH_4,K)Al_2(Si_3Al)O_{10}(OH)_2$, mon., **Mica** group, **68**, 850 (1983)

166 **Toernebohmite**, $(Ce,La)_2Al(SiO_4)_2(OH)$, mon., **67**, 1021–1028 (1982)

166 **Tolovkite**, add **67**, 1076–1077 (1982)

166 **Tombarthite**, change 1960 to 1969

166 **Torreyite**, $(Mg,Mn)_9Zn_4(SO_4)_2(OH)_{22}\cdot 8H_2O$, mon., compare **Lawsonbauerite**, **34**, 589–595 (1949), **67**, 1033 (1982)

167 **Triangulite**, $Al_3(UO_2)_4(PO_4)_4(OH)_5\cdot 5H_2O$, tric., yellow

169 **Tyuyamunite**, add "compare **Margaritasite**"

171 **Uranosilite**, $U^{+6}Si_7O_{17}$, orth., yellowish

171 **Urvantsevite**, misspelled

171 **Ushkovite**, $MgFe_2^{+3}(PO_4)?_2(OH)_2\cdot 8H_2O$, tric., yellowish to orange, **Paravauxite** group

173 **Vanmeersscheite**, add **67**, 1077 (1982)

174 **Vauquelinite**, add "compare **Molybdofornacite**"

175 **Vishnevite,** formula should be $(Na,Ca,K)_8(Si,Al)_{12}O_{24}[(SO_4),(CO_3),Cl_2]_{2-4}\cdot nH_2O$

175 **Vismirnovite,** add **67,** 1079 (1982)

176 **Vozhminite,** $(Ni,Co)_4(As,Sb)S_2$, hex., **68,** 645 (1983)

176 **Vuorelainenite,** add **68,** 472–473 (1983)

177 **Wadsleyite,** beta-$(Mg,Fe^{+2})_2SiO_4$, orth., trimorph. with **Forsterite** and **Ringwoodite,** Can. Mineral. **21,** 29–35 (1983)

177 **Walpurgite,** add **68,** 852 (1983)

178 Wehrlite = mixt. of **Pilsenite** plus **Hessite**

179 **Wicksite,** add **67,** 1077–1078 (1982)

179 **Wilcoxite,** $MgAl(SO_4)_2F\cdot 18H_2O$, tric., Mineralog. Mag. **47,** 37–40 (1983)

179 **Wilhelmvierlingite,** $CaMn^{+2}Fe^{+3}(PO_4)_2(OH)\cdot 2H_2O$, orth., **Overite** group

182 **Yafsoanite,** add **68,** 282–283 (1983)

184 **Zakharovite,** $Na_4Mn_5^{+2}Si_{10}O_{24}(OH)_6\cdot 6H_2O$, trig.

184 **Zhonghuacerite, add 67,** 1078 (1982)

187 **Aenigmatite Group,** add Cr^{+3} to B elements, add **Krinovite**

191 **Cobaltite Group,** Hollingworthite misspelled

191 **Crandallite Group,** add **Florencite-(La),** add La to A elements

191 **Crichtonite Group,** add **Lindsleyite, Mathiasite,** add to A elements Ba, K; add to B elements Zr, Fe^{+2}, V

194 **Hydrotalcite Group,** add $\cdot 4H_2O$ to formula given

194 **Kieserite Group,** add **Dwornikite,** add Ni to M elements

195 **Manasseite Group,** add $\cdot 4H_2O$ to the formula given

196 **Mica Group,** add **Ferri-annite** and **Tobelite**

196 **Mixite Group,** Hexagonal arsenates and phosphates of general formula $ACu_6(XO_4)_3(OH)_6\cdot 3H_2O$, A = Al, Bi, Ca, Nd, Y; X = As, P. Agardite, Goudeyite, Mixite, Petersite

196 **Monazite Group,** add **Monazite-(Nd)**

197 **Nickeline Group,** add **Niggliite.** Add Sn to B elements

197 **Olivine Group,** general formula should be $A^{+2}SiO_4$

197 **Overite Group,** Phosphates of general formula $ABC(PO_4)_2\cdot(2\text{–}4)H_2O$; A = Ca,Mn,Zn; B = Mg, Fe^{+2}, Mn^{+2}; C = Fe^{+3}, Al. Orth. Lun'okite, Overite, Segelerite, Wilhelmvierlingite

197 **Paravauxite Group,** Triclinic phosphates of general formula $AB_2(PO_4)_2(OH)_2\cdot 8H_2O$, A = Mg, Fe^{+2}, Mn^{+2}; B = Al, Fe^{+3}, Cr^{+3}. Gordonite, Laueite, Paravauxite, Sigloite, Ushkovite

198 **Pumpellyite Group,** Monoclinic silicates of general formula $Ca_2AB_2(SiO_4)(Si_2O_7)(OH)_2\cdot H_2O$; A = Mg, Mn^{+2}, Fe^{+2}; B = Al, Fe^{+3}, Cr^{+3}. Ferropumpellyite, Julgoldite, Pumpellyite, Pumpellyite-(Mn), Shuiskite

198 **Pyrite Group,** Villamaninite is misspelled

198 **Pyrochlore Group,** add **Calciobetafite, Natrobistantite**

198 **Rosasite Group, Glaukosphaerite** – change (Co,Ni) to (Cu,Ni)

199 **Rutile Group,** add **Argutite;** add Ge to M elements

199 **Smectite Group,** add **Aliettite**

199 **Sphalerite Group,** add Fe to A elements

200 **Stibiconite Group,** add **Bismutostibiconite,** add Bi and Fe^{+3} to A elements

200 **Tourmaline Group,** add **Chromdravite**

201 **Zeolite Group,** add **Gobbinsite,** delete Svetlozarite