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MICROMOUNTERS OF NEW ENGLAND

NEWSLETTER #62

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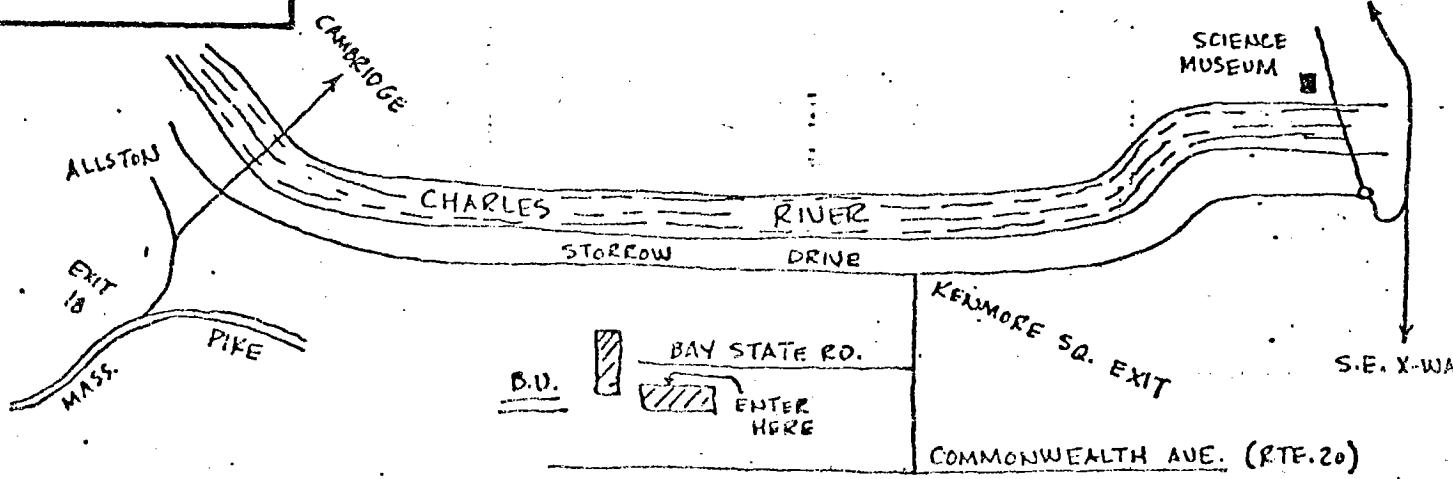
John Anderson
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The next regular meeting will be held on Sunday, April 5, 1981 at Boston University (see attached Map). We should take this opportunity to discuss the upcoming St. Hilaire collecting season. We have been informed that St. Hilaire will close for a few years while they relocate their crusher. This year's collecting dates, four in all, will be in April and May, as follows:

April 11 & 12	Boston Mineral Club
April 25 & 26	Not committed at this time possibly due to a conflict with the Rochester Symposium.
May 9 & 10	North Shore (Massachusetts) Mineral Club
May 23 & 24	New Haven Mineral Club

Marcelle Weber has informed us that a new mineral from Mont St. Hilaire has officially be named; PETARASITE, $\text{Na}_5 \text{Zr}_2 \text{Si}_6 \text{O}_{18} (\text{Cl}, \text{OH})_2 \text{H}_2\text{O}$, reference Canadian Mineralogist, Vol. 18, Page 497-509. Monoclinic; cleavages perfect (110), very good (010), and distinct (001); hardness 5-5.5; fracture sub-concoidal. Named after Dr. Peter Tarasoff, an amateur mineralogist from Dollard des Ormeaux, Quebec; it was formerly UK42. Many collectors at St. Hilaire last Labor Day found PETARASITE.

We have also enclosed copies of the additions and corrections to the Glossary recently printed in the Mineralogical Record - now you don't have to tear the Record apart to splice the changes.



PARANATROLITE AND TETRANATROLITE: TWO NEW MINERALS FROM MT. ST. HILAIRE

	PARANATROLITE	TETRANATROLITE
Chemical Formula	$\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$	$\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10} \cdot 2\text{H}_2\text{O}$
Crystal System	Monoclinic or triclinic	Tetragonal
Optical Constants	(-) $2V < 10^\circ$, ext. angle 21° RI not given, probably slightly higher than that of natrolite	Positive sign $n = 1.481$ $E = 1.496$
Hardness	5 - $5\frac{1}{2}$	Not determined
Density	2.21 (meas.)	2.28 (meas.), 2.33 (obs.)
Cleavage	Not observed	Not observed
Fracture	Conchoidal	Not stated
Color	Clear, colorless	Translucent to opaque white
Solubility	Not stated	Sol. 1:1 HCl, slowly sol. 1:1 HNO_3 forming gel. Only slightly attacked by 1:1 H_2SO_4

Paranatrolite and tetranatrolite are discussed here together because of their close interrelationship. Both are zeolites, and chemically identical except for a difference of one molecule of water. Tetranatrolite is formed from paranatrolite when the latter loses this water on exposure to air. This occurs rapidly (within hours) and is apparently irreversible.

Paranatrolite is found at St. Hilaire as transparent overgrowths on natrolite, and is detectable only by the presence of dust-like particles and small crystals of natrolite at the interface between the two. Where tetranatrolite occurs on exposed rock, it indicates the former existence of paranatrolite, and the possibility of finding some by breaking into that rock. If a freshly exposed clear natrolite specimen is suspected of having a coating of paranatrolite, it should be put in water at once in order to preserve it. In the field, wrapping in wet paper or cloth would probably serve to prevent dehydration.

Tetranatrolite is a tetragonal dimorph of natrolite, relatively enriched in potassium and calcium with respect to the latter, and with a similar x-ray pattern. It was originally found in Greenland, though St. Hilaire is the principal type locality. At Mt. St. Hilaire it is widespread in pegmatite dikes and miarolitic cavities in the nepheline syenite. It occurs most commonly as a white, translucent to opaque friable crust or epitactic overgrowth on natrolite crystals, and as small euhedral crystals or silky fibrous sprays on larger crystals of natrolite, analcime, or microcline; less commonly as irregular earthy patches on massive natrolite and analcime. The tetranatrolite crust was noticed when apparently clear natrolite crystals changed after exposure to air. When the crust was removed, the transparent core material showed no further alteration after more than a year. (J. W. Cares)

Chen, T. T. and G. Chao, "Tetranatrolite from Mont St-Hilaire, Quebec", Can. Mineral. 18, 77-84, 1980.

Chao, G. Y., "Paranatrolite, a New Zeolite from Mont St-Hilaire, Quebec", Can. Mineral. 18, 85-88, 1980.

Additions and Corrections To The Glossary of Mineral Species, 1980

by Michael Fleischer
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Less than a year has passed since the 1980 Glossary went to press, but it has been a period of unparalleled activity in mineralogical research, including the publication of many new minerals (38 in this list) and of new data on established minerals. It therefore seemed desirable to publish this list of additions and corrections as soon as possible, and it is hoped that new lists can be published annually.

Again many friends have been kind enough to make valuable suggestions and to call my attention to errors. I am deeply grateful to all who have written to me and thank them all, especially Robert Cobban, Jim Ferraiolo, Peter Modreski, Mary E. Mrose, Andrew L. Palmer, and G. W. Shokal.

Introduction, 5th par.—change "now" to "not"

Elements—The symbol for Argon should be Ar

Page

- 1 Abelsonite prophyrin is misspelled
- 1 Admontite add "dimorph. with Mcallisterite"
- 3 Albrittonite add "compare Bischosite, Nickelbischosite"
- 4 Alstonite change to "trimorph. with Barytocalcite and Paralstonite"
- 4 Althausite add "65, 488 (1980)"
- 5 Amicite add "65, 808 (1980)"
- 6 Anduoite add "65, 808 (1980)"
- 8 Apuanite change formula to $\text{Fe}^{+2}\text{Fe}^{+3}\text{Sb}^{+3}\text{O}_{12}$
- 8 Aramayoite formula should read Ag, not Ab
- 8 Ardennite change formula to $\text{Mn}_4(\text{Al},\text{Mg})_6(\text{SiO}_4)_2\text{Si}_2\text{O}_{10}[(\text{As},\text{V})\text{O}(\text{OH})_3]$
- 9 Arunitite add "orth."
- 10 add "Ashianite, $(\text{Nb},\text{Ta},\text{U},\text{Fe},\text{Mn})\text{O}_3$, orth., compare Ixiolite"
- 13 Barytocalcite change to "trimorph. with Alstonite and Paralstonite"
- 15 Beraunite change formula to $\text{Fe}^{+2}\text{Fe}^{+3}(\text{PO}_4)_3(\text{OH})_2 \cdot 4\text{H}_2\text{O}$
- 17 Bischosite add "compare Albrittonite"
- 19 add "Bogdanovite, $\text{Au}(\text{Cu},\text{Fe}),(\text{Te},\text{Pb})_2$, orth. (?), ps. cub., rose-brown to bronze"
- 19 Borickite add "perhaps = Delvauxite, 65, 813 (1980)"
- 20 add "Brabantite, $\text{CaTh}(\text{PO}_4)_2$, mon., compare Cheralite, Monazite"
- 20 Braggite add "dimorph. with Cooperite"
- 21 Briartite reference should be 1966
- 23 Bukovite formula should be $\text{Ti}(\text{Cu},\text{Fe})\text{Se}_2$
- 23 add "Cadmium, Cd, hex."
- 26 Carnelian should not be in bold face
- 27 Caryopilitite delete "Kaolinite-Serpentine group," add "related to Friedelite, 65, 335-339 (1980)"
- 27 add "Castaingite, CuMo_3S_2 , (?), hex., 50, 264 (1965)"
- 27 add "Cathophorite, $\text{CaTh}(\text{PO}_4)_2$ (= Brabantite (?))"
- 29 Chalcomenite add "dimorph. with Clinochalcomenite"
- 29 Chalcophyllite should be in bold face
- 29 Chalcosine should not be in bold face
- 29 Chalcothallite change "tet." to "orth., ps. tet."
- 30 Cheralite add "compare Brabantite"
- 30 Chervetite reference should be 1963
- 30 Childrenite formula should have $(\text{OH})_2$
- 31 add Chlormannasite, $(\text{Mg},\text{Fe}^{+2})_2\text{Al}_2(\text{OH})_6[(\text{Cl},\text{OH},(\text{CO}_3)^{2-})_2] \cdot 3\text{H}_2\text{O}$, hex., Min. Abs. 31, p. 226 (1980)
- 32 Chudobaite The formula should have $(\text{AsO}_4)_2$
- 32 Clinobisvanite reference should be 39
- 32 add "Clinochalcomenite, $\text{CuSeO}_4 \cdot 2\text{H}_2\text{O}$, mon., blue-green, dimorph. with Chalcomenite"
- 33 add "Clinotyrolite, $\text{Ca}_2\text{Cu}_2[(\text{As},\text{S})\text{O}_4]_2(\text{O},\text{OH})_2 \cdot 10\text{H}_2\text{O}$, mon., emerald-green, compare Tyrolite"
- 34 Cl-tyretskite should be in bold face
- 34 Coaltingite formula should have $(\text{CO}_3)_2$, not $(\text{Co})_2$
- 34 Cobalt-zippeite formula should have $16\text{H}_2\text{O}$
- 34 Cochromite add "65, 811 (1980)"
- 34 Coconinoite reference should be 51
- 35 Cooperite add "dimorph with Braggite"
- 36 Corkite formula should have PbFe^{+3}_2
- 40 Davidite change to "Davidite, $(\text{La},\text{Ce})(\text{Y},\text{U},\text{Fe}^{+2})_2(\text{Ti},\text{Fe}^{+2})_2(\text{O},\text{OH})_{12}$, trig., Crichtonite group, 41, 700-718 (1956), 64, 1010-1017 (1979)"
- 40 add "Defernite, $\text{Ca}_3(\text{CO}_3)(\text{OH},\text{Cl})_4 \cdot \text{H}_2\text{O}$, orth."
- 40 Delafossite add "compare McConnellite"
- 41 Delvauxite change to " $\text{CaFe}^{+3}(\text{PO}_4,\text{SO}_4)_2(\text{OH})_2 \cdot 4-6\text{H}_2\text{O}$ (?), 65, 813 (1980)"
- 43 Djersfisherite change formula to $\text{K}_2(\text{Cu},\text{Fe},\text{Ni})_2\text{S}_2\text{Cl}_2$, add "compare Thalfenite"
- 43 add "Dorfmanite, $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$, orth."
- 43 Drugmanite add "65, 809 (1980)"
- 45 Ecdemite change formula to $\text{Pb}_2\text{As}_2\text{O}_5\text{Cl}_2$
- 45 add "Eifelite, $\text{K}_2\text{Na}_4\text{Mg}_2\text{Si}_2\text{O}_8$, hex., Osumilite group"
- 47 add "Erdite, $\text{NaFeS}_2 \cdot 2\text{H}_2\text{O}$, mon., copper-red, 65, 509-521 (1980)"
- 47 Eskimoite formula should have Ag,
- 49 Fairbankite add "65, 809 (1980)"
- 49 Fayalite formula should be $\text{Fe}^{+2}\text{SiO}_4$
- 49 add "Femolite (= ferrian Molybdenite (?)), 50, 261 (1965)"
- 50 Fengluanite add "= Isomertieite (?), 65, 408 (1980)"
- 51 add "Ferripyrophyllite, $\text{Fe}^{+2}\text{Si}_2\text{O}_5(\text{OH})_2$, mon., compare Pyrophyllite"
- 52 Ferrohexahydrite is misspelled
- 53 Ferropumpellyite add "56, 2158 (1971)"
- 53 Ferrowyllite add 65, 810-811 (1980)"
- 54 add "Fichtelite, $\text{C}_{12}\text{H}_{14}$ (dimethyl-isopropyl-perhydrophenanthrene), orth."
- 55 Fraipontite reference should be 62
- 55 Francoanellite is misspelled
- 56 Furongite reference should be 425
- 57 add "Gaitite, $\text{H}_2\text{Ca}_2\text{Zn}(\text{AsO}_4)_2(\text{OH})_2$, tric., compare Talmessite, Can. Min. 18, 197-200 (1980)"
- 57 Galena Altaitè should be in bold face
- 58 Geberonite change to " $\text{Pb}_{1-x}(\text{Sb},\text{As})\text{S}_2$, mon., forms a series with Jordanite, 61, 963-970 (1976)"
- 59 Girdite add "65, 809 (1980)"
- 59 add "Gittinsite, $\text{CaZrSi}_2\text{O}_5$, mon., Can. Min. 18, 201-203 (1980)"
- 60 Glaukosphaerite add "compare Kolwezite"
- 62 Grimaldiite add "compare Heterogenite"
- 63 Guanglinite add "= Isomertieite (?), 65, 408 (1980)"
- 63 Cuettardite add "dimorph. with Twinnite"
- 64 Hardystonite delete "dimorph. with Junitoite"
- 64 Harkerite reference should be 37, 359 (1952)
- 65 Hatchite add "compare Wallsite"
- 67 Heterogenite add "compare Grimaldiite"
- 67 Hexastibiopanickelite, change to Hexastibiopanickelite
- 68 Hibonite formula should have O_{12} , not O_{10}
- 69 Holtedahlite add "65, 809-810 (1980)"
- 69 Hongshiite add "= platinian Copper (?), 65, 408 (1980)"
- 71 Hydrodelhayelite add "orth."
- 72 Hydrophilite should not be in bold face, add

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- "perhaps = Antarcite or Sinjarite, Min. Mag. 43, 682 (1980)"
- 73 Hypercinnabar reference should be 63, not 68
- 74 Illite delete the asterisk in the formula
- 74 Imandrite add "65, 810 (1980)"
- 75 Irhemicite formula should be $\text{Ca}_2\text{MgH}_2(\text{AsO}_4)_2 \cdot 4\text{H}_2\text{O}$
- 76 Iwakiite add "65, 406 (1980)"
- 76 Ixiolite add "compare Aschanite"
- 77 Jefferisite is misspelled
- 78 Jordanite change to " $\text{Pb}_{1-x}(\text{As},\text{Sb})_x\text{S}_2$, mon., forms a series with Geocronite"
- 78 Junioite change formula to $\text{CaZn}_2\text{Si}_2\text{O}_7 \cdot \text{H}_2\text{O}$, delete "dimorph. with Hardystonite"
- 79 add "Kamiokite, $\text{Fe}_2\text{Mo}_3\text{O}_8$, hex."
- 80 Kanonaite is misspelled
- 80 Kassite reference should be 52
- 81 Keckite formula should have $(\text{OH})_2$, not $(\text{OH})_3$
- 81 Keldyshite formula should be $\text{Na}_{1-x}\text{H}_x\text{ZrSi}_2\text{O}_5 \cdot n\text{H}_2\text{O}$
- 83 add "Kivuite, $(\text{Th},\text{Ca},\text{Pb})\text{H}_2(\text{UO}_4)_2(\text{PO}_4)_2(\text{OH})_2 \cdot 7\text{H}_2\text{O}$, (?) orth. (?), compare Phosphuranylite, 44, 1326 (1959)"
- 83 Klebensbergite add "65, 499-505 (1980)"
- 84 Koktaite reference should be 34
- 84 add "Kolwezite, $(\text{Cu},\text{Co})_2(\text{CO}_3)_2(\text{OH})_2$, tric., black to beige, compare Glaukospherite, Rosasite, Zincrosasite"
- 84 add "Kolymite, Cu, Hg, cub."
- 84 add "Kovdorskite, $\text{Mg}_2(\text{PO}_4)_2(\text{CO}_3)(\text{OH})_2 \cdot 4\text{H}_2\text{O}$, mon."
- 85 Krutovite reference should be to 62
- 85 Ktenasite reference should be 381
- 85 add "Kulkeite, $\text{Mg}_2\text{Al}(\text{AlSi}_3)\text{O}_6(\text{OH})_2$, mon. (inter-layered Talc - Chlorite)"
- 85 Kulanite formula should have $(\text{Fe}^{+2},\text{Mn},\text{Mg})$
- 86 Kurchatovite change "orth." to "orth. and mon.": formula should be " $\text{Ca}(\text{Mg},\text{Mn},\text{Fe}^{+2})\text{BO}_3$ "
- 86 Kurnakovite formula should be $\text{MgB}_2\text{O}_3(\text{OH})_2 \cdot 5\text{H}_2\text{O}$
- 86 Kurumsakite reference should be 583
- 86 Kusuite formula should have Ce^{+3} , not Ce^{+4}
- 87 Landesite reference should be 49, 1122-1125 (1964)
- 88 Laucite add "compare Paravauxite"
- 88 Lazurite formula should be $(\text{Na},\text{Ca})_{2-x}(\text{Al},\text{Si})_2(\text{O},\text{S})_2 \cdot (\text{SO}_4,\text{Cl}_2,(\text{OH}))_2$
- 90 Leucophoenicite reference should be 1146-1166
- 91 Liottite formula should be $(\text{Ca},\text{Na},\text{K})_2(\text{Si},\text{Al})_2\text{O}_5(\text{SO}_4,\text{CO}_3,\text{Cl},\text{OH})_2 \cdot \text{H}_2\text{O}$
- 91 Liujinyinite add "65, 810 (1980)"
- 93 Lusungite formula should have Fe^{+3}
- 93 Luzonite reference should be 766-779
- 93 MacFallite add "65, 406 (1980)"
- 94 add "Maghagendörsite, $\text{NaMn}(\text{Mg},\text{Fe}^{+2},\text{Fe}^{+3})_2(\text{PO}_4)_3$, mon.", 65, 810-811 (1980)"
- 94 Magnesiocarpholite add "65, 406 (1980)"
- 96 Magnesium astrophyllite formula should be $(\text{Na},\text{K}),\text{Mg}_2(\text{Fe}^{+2},\text{Mn},\text{Fe}^{+3}),\text{Ti},\text{Si},\text{O}_4(\text{O},\text{OH},\text{F})$
- 96 Magnesium-zippeite formula should have $16\text{H}_2\text{O}$
- 97 Manandonite is misspelled
- 97 Mandarinomite formula should be $\text{Fe}^{+2}\text{Se}_2\text{O}_4 \cdot 4\text{H}_2\text{O}$
- 97 Manganbelyankinite formula should have $(\text{Ti},\text{Nb})_2$
- 97 Manganese-shadlunite formula should have $(\text{Mn},\text{Pb},\text{Cd})_2$
- 98 Marforosanite formula should be $\text{Pb}(\text{Ca},\text{Mn})_2\text{Si}_2\text{O}_5$
- 99 Mariposite Phengite should not be in bold face
- 99 Maslovite add "65, 406-407 (1980)"
- 100 Mcallisterite add "dimorph. with Admontite"
- 100 McConnellite reference should be 593, add "compare Delafossite"
- 100 McKelveyite reference should be 64, 659 (1979)
- 102 Metticite-I add "58, 1-10 (1973)"
- 102 Metticite-II change reference to 61, 1249-1254 (1976)
- 102 Meta-autunite formula should have $(\text{UO}_2)_2$
- 104 Meta-uranospinite formula should have $(\text{UO}_2)_2$
- 105 Minguzzite formula should have K_2
- 105 Minium should be in bold face
- 105 Minnesotaite formula should have $(\text{Fe}^{+2},\text{Mg})_2$
- 106 Monazite add "compare Brahantite"
- 107 Monidorite reference should be page 1331
- 108 add "Morozevicite, Pb_2GeS_3 , cub., forms a series with Polkovicite"
- 108 Mossite should not be in bold face
- 109 Muscovite formula should be $\text{KAl}_2(\text{Si},\text{Al})\text{O}_10(\text{OH})_2$
- 109 add "Nacaphite, $\text{Na}_2\text{Ca}(\text{PO}_4)_2\text{F}$, orth."
- 110 Na-komarovite formula should be $(\text{Na},\text{Ca},\text{H}),\text{Nb}_2\text{Si}_2\text{O}_10(\text{OH})_2 \cdot \text{H}_2\text{O}$
- 110 Nasiruan Pitchblende should not be in bold face
- 110 Natrofairstchilite add "orth."
- 110 Natrojarosite formula should have Fe^{+3}
- 111 add "Nealite, $\text{Pb}_2\text{Fe}^{+2}(\text{AsO}_4)_2\text{Cl}_2$, tric., orange, Min. Record 11, 299-301 (1980)"
- 111 Nenadkevite add "a mixt. of Uraninite + Boltwoodite, 62, 1261-1262 (1977)"
- 112 Nichromite add "65, 811 (1980)"
- 112 Nickelbischofsite add "compare Albitonite"
- 112 Nickel-iron add "see also Tetrataenite"
- 112 Nickel-zippeite formula should have $16\text{H}_2\text{O}$
- 113 Niobo-zirconolite Zn in formula should be Zr
- 114 Nolanite add "52, 734-743 (1967)"
- 114 add "Nordströmite, $\text{Pb}_2\text{CuBi}_2\text{S}_2\text{Se}_4$, mon., 65, 789-796 (1980)"
- 114 Nukundamite add "65, 407 (1980)"
- 114 add "O'Danielite, $\text{Na}(\text{Zn},\text{Mg})_2\text{H}_2(\text{AsO}_4)_3$, mon."
- 114 add "Oigitite, $\text{Na}(\text{Sr},\text{Ba})\text{PO}_4$, hex., blue to bluish-green"
- 116 Orthochrysoilite delete Orthoantigorite
- 116 Orthoferrosilite Enstatite should be in bold face
- 119 add "Paralstonite, $(\text{Ba},\text{Sr})\text{Ca}(\text{CO}_3)_2$, trig., trimorph. with Alstonite and Barytocalcite"
- 120 Paravauxite change formula to $\text{Fe}^{+2}\text{Al}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 8\text{H}_2\text{O}$ and add "compare Laueite"
- 122 Permingeatite formula should be Cu_2SbSe_4
- 123 Petscheckite is misspelled
- 124 Phosphuranylite add "compare Kivuite"
- 124 add "Pianlinite, $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_2$ "
- 126 add "Polkovicite, $(\text{Fe},\text{Pb})_2(\text{Ge},\text{Fe})\text{S}_4$, cub., forms a series with Morozevicite"
- 127 Priorite Aeschynite-(Y) is misspelled
- 128 Pumpellyite add "61, 176-177 (1976)"
- 128 add "Putoranite, $\text{Cu}_{1-x}(\text{Fe},\text{Ni})_{1-x}\text{S}_2$, cub."
- 129 Pyroaurite is misspelled
- 129 Pyrophyllite add "compare Ferripyrophyllite"
- 130 Queilitie add "65, 407 (1980)"
- 130 Rancicite, reference should be 54, 1741-1742 (1969).
- 131 Ranunculite add "65, 407 (1980)"
- 134 add "Rokuhnite, $\text{Fe}^{+2}\text{Cl}_2 \cdot 2\text{H}_2\text{O}$, mon."
- 134 Rosasite add "compare Kolwezite"
- 134 Roscoelite formula should have $(\text{OH})_2$
- 135 Rosemaryite add "65, 811 (1980)"
- 135 Rowelite formula should have Mn_2
- 135 Rustenburgite reference should be 61, 340 (1976)
- 136 Sabinite formula should have Na_2Zr_2
- 137 Sahlite should not be in bold face
- 139 Scarbroite formula perhaps $\text{Al}_2(\text{OH})_2(\text{CO}_3)_2 \cdot 5\text{H}_2\text{O}$, Min. Mag. 43, 615-618 (1980)
- 140 add "Schieffelinite, $\text{Pb}(\text{Te},\text{S})\text{O}_4 \cdot \text{H}_2\text{O}$, orth., Min. Mag. 43, 771-773 (1980)"

- 140 Schmeiderite name should be Schmiederite, Min. Mag. 43, 824 (1980)
- 141 Schuetteite is misspelled
- 142 Sengierite change orth. to mon., formula changed to $\text{Cu}_x(\text{UO}_4)_y(\text{VO}_4)_z(\text{OH})_w \cdot 6\text{H}_2\text{O}$
- 143 add "Sergeevite, $\text{Ca}_{1-x}\text{Mg}_x(\text{CO}_3)_y(\text{HCO}_3)_z(\text{OH})_w \cdot (10-x)\text{H}_2\text{O}$ (?), trig. (perhaps = Huntite (?))"
- 143 add "Shubnikovite, $\text{Cu}_x\text{Ca}_y(\text{AsO}_4)_z\text{Cl}(\text{OH})_w \cdot 7\text{H}_2\text{O}$ (?), orth. (?), light blue, 40, 552 (1955)"
- 144 Sigloite formula should have $(\text{O},\text{OH})_x$
- 144 Silver change to "Silver (Silver-3C), Ag, cub."
- 144 add "Silver-2H, Silver-4H, Ag, hex."
- 148 Staringite add " $x < 1$, compare Tapiolite"
- 152 Sulvanite Arsenosulvanite is misspelled
- 152 add "Sundiusite, $\text{Pb}_{10}(\text{SO}_4)_2\text{Cl}_2\text{O}_8$, mon., 65, 506-508 (1980)"
- 154 Talmessite add "compare Gaitite"
- 154 add "Tancoite, $\text{HNa}_x\text{LiAl}(\text{PO}_4)_y(\text{OH})_z$, orth., Can. Min. 18, 185-190 (1980)"
- 154 Tapiolite add "compare Staringite"
- 154 Taramellite change to "Ba_x(Fe⁺³,Ti,Fe⁺²,Mg,V)_yB_zSi₂O₅Cl, orth., 44, 469 (1959), 65, 123-128 (1980)"
- 154 Tarnowitzite add "syn. Tarnowskite"
- 155 Telargpalite formula should be $(\text{Pd},\text{Ag})_{1-x}\text{Te}_x$
- 156 add "Tetrataenite, FeNi, tet., 65, 624-630 (1980)"
- 156 Thalcusite formula should be $\text{Ti}(\text{Cu},\text{Fe})_2\text{S}_2$
- 156 add "Thalassinite, $\text{Ti}_x(\text{Fe},\text{Ni},\text{Cu})_{2-y}\text{S}_2\text{Cl}$, cub., compare Djerfisherite"
- 158 Tirodite formula should have Mn^{+2}
- 158 add "Tisinalite, $\text{Na}_x\text{H}_y(\text{Mn,Ca,Fe})\text{TiSi}_z(\text{O},\text{OH})_w \cdot 2\text{H}_2\text{O}$, trig., yellow-orange, Lovozerite group"
- 159 Tombartnite reference should be 1969
- 159 Tomichite add "65, 811 (1980)"
- 159 Tranquillityite change to "Fe_x²⁺(Zr,Y)₂Ti₂Si₂O₂₄, hex., 58, 140 (1973)"
- 162 Twinnite add "dimorph. with Guettardite"
- 162 Tyrolite add "compare Clinotyrolite"
- 163 Urmoioite change "mon." to "mon. and orth."
- 163 Uralborite add "dimorph. with Vimsite"
- 163 Uralite Amphibole is misspelled
- 164 Uranopilitre reference should be 950-959
- 165 Vanuranylite formula should be $(\text{H}_2\text{O},\text{Ba},\text{Ca},\text{K})_x$
- 167 Vigézzite add "65, 811-812 (1980)"
- 167 add "Viitaniemiite, $\text{Na}(\text{Ca},\text{Mn})^x\text{Al}(\text{PO}_4)_y(\text{F},\text{OH})_z$, mon."
- 167 Vimsite add "dimorph. with Uralborite"
- 167 add "Violan, a violet var. of Pyroxene, 65, 813 (1980)"
- 168 Vitusite add "65, 812 (1980)"
- 169 Wallisite add "compare Hatchite"
- 169 Walpurgite formula should be $(\text{BiO})_x(\text{UO}_2)(\text{AsO}_4)_y \cdot 3\text{H}_2\text{O}$
- 169 Warikahnite add "65, 408 (1980)"
- 172 Winstanleyite add "65, 809 (1980)"
- 173 Wyartite formula should have Ca,
- 173 Wyllieite add "65, 810-811 (1980)"
- 174 Yeatmanite formula should have Mn,Zn; add "65, 196-199 (1980)"
- 174 Yedlinite formula should have $(\text{O},\text{OH})_x$
- 174 add "Yixunite, PtIn (?) (= Indian Platinum (?)), cub., 61, 185-186 (1976), 65, 408 (1980)"
- 174 add "Yttrobetafite, $(\text{Y},\text{U},\text{Ce})_x(\text{Ti},\text{Nb},\text{Ta})_y\text{O}_z(\text{OH})_w$, cub., Pyrochlore group, 49, 440 (1964), 62, 403-410 (1977)"
- 175 Zemannite formula should have $(\text{Te}^{+4}\text{O}_5)_x$
- 176 Zincrosasite add "compare Kolwezite"
- 176 Zinc-zippeite formula should have 16 H₂O
- 178 Amphibole group add Magnesio-ferriferous-katophorite
- 180 Bjarebyite group should read "triclinic and monoclinic phosphates"
- 182 Crichtonite group add Davidite
- 184 Kaolinite-Serpentine group delete Caryopilite
- 185 Linnaeite group second line should be "X = S, Se"
- 185 Lovozerite group add Tisinalite
- 186 Mica group add Bityite
- 187 Osumilite group add Eiselite

