46th ANNUAL
Franklin - Sterling
GEM & MINERAL SHOW
2002
SATURDAY, SEPTEMBER 28th • 9-6
SUNDAY, SEPTEMBER 29th • 10-5
Sponsored by
FRANKLIN, NEW JERSEY
The Fluorescent Mineral Capital of the World
The Franklin Mineral Museum

expresses its thanks to the
Minerals Show Exhibitors,
Dealers,
Advertisers
and to all
who through their dedication have contributed their time and talents to make the Mineral Show a great success.
Elna Hauck

Elna Hauck was born February 24, 1943. Married to Richard Hauck for 37 years, Elna, raised two fine daughters from birth, through school, Girl Scouts, on to marriage and became a doting grandmother to three children. If this was not enough to do she found time to get involved in school and community projects while living in Bloomfield, New Jersey.

Elna holds a degree in Geology from Rutgers University. She enjoys reading about and traveling to mining locations around the world. She has a vast knowledge of both local and world-wide minerals and geology.

Elna is the Franklin Mineral Museum Inc. Board Secretary and has held this position for 20 years. She is in charge of scheduling tours, personnel work schedules, and runs tours for the Sterling Hill Mining Museum. She is an avid collector of Franklin minerals, Franklin fluorescence, mining post cards, and is an expert gardener. Elna also collects the "Pond" fees for the fall Annual Franklin - Sterling Hill Gem and Mineral Show and has been doing so many years.

Most of all Elna Hauck is dedicated to her family, and then, to the preservation of the legacy of mining, mineralogy, and geology of our world and especially a small piece of it known to all as Franklin and Sterling Hill, Sussex County, New Jersey.

In recognition of her years of tireless support of the Franklin Mineral Museum Inc., the Franklin-Ogdensburg Mineralogical Society Inc., and more recently of the Sterling Hill Mining Museum, we dedicate the 46th Annual Franklin - Sterling Hill Gem and Mineral Show bulletin to Elna, an honor that is long overdue!
Fluorescent Minerals of Franklin and Sterling Hill, N.J.
A 2002 CHECK-LIST BASED ON OBSERVATIONS BY RICHARD C. BOSTWICK
FL=fluoresces; PH= phosphoresces; SW= shortwave ultraviolet radiation or UVC;
MW= midwave or midrange ultraviolet radiation ;
LW= longwave ultraviolet radiation.

These descriptions are necessarily brief and hence simplistic. The fluorescent color listed first is considered
typical for that mineral. The wavelength or wavelengths listed are those under which the fluorescence is best
seen. "FL red SW" means that the mineral typically fluoresces red, most strongly under shortwave UV, but
may fluoresce weekly under MW and/or LW. Some less common fluorescent responses are listed. Details of
fluorescent intensity, saturation, and hue are omitted, as that level of description is beyond the scope of this
check-list.

While mineral fluorescence can be a powerful tool for rapid mineral identification, it should be
used in conjunction with other identification techniques. Misidentifications based on fluorescence alone are
common.

Albite: FL red SW
Aragonite: FL/PH cream LW occasionally FL green SW.
Barite: FL pale yellow SW; rarely FL yellow SW, MW, & LW, with or without PH.
Barylite: FL violet SW, brighter under iron arc.
Bassanite: FL/PH violet SW
Bustamite: FL cherry red LW
Cahnite: FUPH cream SW
Calcite: FL orange-red SW with brief red-orange PH; rarely FL many other colors,
often PH; sometimes changes FL with UV wavelength.
Canavesite: FL/PH violet LW
Celestine: FL/PH cream LW. Rarely FL violet SW.
Cerussite: FL yellow LW.
Chabazite: FL green SW.
Charlesite: FL pale blue SW, but usually coated with cream-FL gypsum.
Chondrodite: FL yellow, yellow-orange SW
Clinochrysotile: FL orange-yellow (*tan) SW.
Clinohehdrite: FL/PH orange SW
Corundum: FL cherry-red LW
Cuspidine: FL orange-yellow SW, with brief orange-red PH; MW has a violet tint.
Datolite: FL cream SW
Diopside: FL blue SW, FL pale yellow MW/LW.
Dolomite: FL red SW.
Dundasite: FL pale yellow SW/MW/LW.
Dypingite: FL/PH blue SW/LW/MW.
Epsomite: FL cream LW, violet MW
Esperite: FL lemon-yellow SW, faint PH.
Fluoborite: FL cream SW
Fluorapatite: FL orange & "peach" SW in the ore, violet-blue MW in the marble.
Fluorapatophyllite: FL/PH white SW
Fluorite: Variable! FL/PH blue-green SW/MW/LW; FL/PH violet-blue SW/MW/LW;
FL/PH white to pale yellow SW, violet-blue MW/LW; FL/PH pale yellow SW, greenish-yellow MW, green LW.
Guerinite: FL/PH pale yellow SW/MW/LW.
Gypsum: FL/PH white, pale yellow, pale blue SW/MW/LW.
Hardystonite: FL violet to violet-blue SW/LW.
Hedyphane: FL orange or cream MW.
Hemimorphite: FL/PH pale yellow to white SW/MW/LW, also FL green SW/LW and blue SW.
Hexahydrite: FL/PH white SW/MW/LW.
Hodgkinsonite: FL weak cherry red MW/LW.
Humite: rarely FL pale yellow SW.
Hyalophane: FL red SW.
Hydrotalcite: FL cream LW.
Hydroxyapophyllite: FL/PH weak white SW.
Hydrozincite: FL blue SW. Also can PH pale yellow SW and FL/PH pale yellow MW/LW.
Johnbaumite: FL orange SW.
Junitoite: FL pale yellow LW
Magnesiohornblende: FL greenish-blue SW
Manganaxinite: FL red SW with faint PH.
Margarite: FL weak white ("gray") SW/MW/LW.
Margarosanite: FL blue & red SW, red & rarely orange MW, weak red and orange LW.
Marialite: FL yellow SW, pink LW
Mcallisterite: FL cream SW
Meionite: FL pinkish-red or orange-yellow SW/MW, orange-yellow LW.
Meta-ankoleite: FL green SW
Metalodevite: FL green SW
Microcline: FL blue or red SW.
Minehillite: FL violet SW, bright violet-blue MW, pale yellow LW.
Monohydrocalcite: FL green SW with white PH.
Nasonite: FL pale yellow SW/MW
Newberyite: FL cream SW
Norbernite: FL yellow SW, less bright MW.
Pargasite: FL greenish-blue SW
Pectolite: FL/PH orange SW/LW, less bright MW.
Pharmacolite: FL/PH white SW/MW/LW.
Phlogopite-1 M: FL yellow SW.
Picropharmacolite: FL/PH white LW.
Powellite: FL yellow SW/MW.
Prehnite: FL orangish-pink SW.
Quartz: variable! FL yellow, pale orange, or green SW; FL pale orange, yellow MW.
Roeblingite: FL red SW, with 1 brief, red-orange PH.
Samfowlerite: FL weak red SW
Scheelite: FL orange-yellow SW/MW, blue SW.
Smithsonite: FL/PH pale yellow. SW/MW/LW.
Sphalerite: FL/PH orange, yellow-orange, orange-yellow, and blue LW/MW, weaker SW.
Spinel: FL cherry-red LW
Strarkeyite: FL/PH white SW/MW/LW.
Strontianite: FL violet SW.
Talc: FL yellow SW/MW/LW.
Thomsonite: FL pale yellow SW.
Tilasite: FL yellow SW
Titanite: FL yellow-orange SW.
Tremolite: FL blue SW, rarely yellow LW.
Turneaureite: FL orange SW.
Uranospinite: FL green SW
Uvite: FL orange-yellow SW
Willemite: FL/PH green SW; rarely FL, PH yellow, greenish-yellow, orange, pale blue SW.
Wollastonite: FL orange to yellow SW.
Xonotlite: FL/PH violet SW/LW/LW.
Zincite: FL yellow SW/MW/LW.
Zircon: FL orange SW/MW.
Znucalite: FL green SW/MW.
<table>
<thead>
<tr>
<th>Mineral</th>
<th>Chemical Formula</th>
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<tbody>
<tr>
<td>Acanthite</td>
<td>Ag₂S</td>
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<td>Actinolite</td>
<td>Ca₉(Mg,Fe⁺⁺)₃Si₄O₁₂(OH)₃</td>
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<td>Adamite</td>
<td>Zn₉(AsO₄)OH</td>
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<td>Adelite</td>
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<tr>
<td>Aegirine</td>
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<td>Akrochordite</td>
<td>Mn₂⁺⁺⁺Mg₆(AsO₄)₂(OH)₃·4H₂O</td>
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<td>Allacite</td>
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<tr>
<td>Allanite-(Ce)</td>
<td>(Ce, Ca)₅(Ti, Fe⁺⁺, Fe⁺⁺⁺)₂(SiO₃)₃(OH)</td>
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<td>Mn₂⁺⁺⁺Si₂O₃(OH)₂</td>
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<tr>
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<td>Fe⁺⁺⁺₂Al₂(SiO₃)₃</td>
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<td>Analcline</td>
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<td>Annabergite</td>
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<td>Anorthoclase</td>
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<td>Aragonite</td>
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<td>Arsenopyrite</td>
<td>FeAs</td>
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<td>Atacamite</td>
<td>Cu⁺⁺⁺⁺Cl(OH)</td>
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<td>Augite</td>
<td>(Ca, Na)(Mg, Fe⁺⁺, Al, Ti)(Si, Al)O₄</td>
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<td>(Zn, Cu⁺⁺⁺)(CO₃)₂(OH)</td>
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<td>Chalcoite</td>
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<td>Chalcoanphite</td>
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<td>Cu₉yperite</td>
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<td>Chlorophoeniecite</td>
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<td>*Cianciullite</td>
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<td>Cinnitridite</td>
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<tr>
<td>Copper</td>
<td>Cu</td>
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<td>Corundum</td>
<td>Al₂O₃</td>
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<td>Cu₉⁺⁺⁺⁺O</td>
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<td>Cu₉⁺⁺⁺⁺(Sb, Ti)</td>
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<td>Cuspudine</td>
<td>Cu₉⁺⁺⁺⁺(SiO₄)(OH)₃·6H₂O</td>
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<td>Cu₂⁺⁺⁺⁺Al₂(SO₄)(OH)₃·2H₂O</td>
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<td>Datolite</td>
<td>Ca₉B₅SiO₉(OH)₃</td>
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<td>Descllocitite</td>
<td>PbZn(YO₄)(OH)</td>
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<td>Ca₉(Fe⁺⁺⁺⁺, Al)₂(SiO₄)₂(OH)</td>
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<td>Cu₂⁺⁺⁺⁺(AsO₄)O₃(OH)₂·3H₂O</td>
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<tr>
<td>Eveite</td>
<td>Mn₂⁺⁺⁺⁺(AsO₄)O₃(OH)₂·3H₂O</td>
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Scan created by the Franklin-Ogdensburg Mineralogical Society, www.FOMSNJ.org
<table>
<thead>
<tr>
<th>Mineral</th>
<th>Formula</th>
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<tr>
<td>Fayalite</td>
<td>Fe$_2$SiO$_4$</td>
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<tr>
<td>Feitknechtite</td>
<td>β-MnO$_3$ (OH)</td>
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<td>Ferrimolybdate</td>
<td>Fe$<em>5$+$(MoO_4)</em>{3.16-}$ 8H$_2$O (?)</td>
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<td><strong>Ferristilpnomelar</strong></td>
<td>(K,Na)$<em>2$(Fe$^{3+}$,Mg,Fe$^{2+}$)$</em>{24}$ (Si,Al)$<em>{11}$O$</em>{16}$ (OH)$_{10}$, 2$n$H$_2$O</td>
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<td>Ferro-actinolite</td>
<td>Ca$_{2}$Fe$^{3+}$Si$_2$O$_6$ (OH)$_3$</td>
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<td>Ferro-axinite</td>
<td>Ca$<em>2$Fe$</em>{2}$$^{3+}$Al$_5$Si$_2$O$_9$ (OH)</td>
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<td><strong>Ferrostilpnomelar</strong></td>
<td>(K,Na)$<em>2$(Fe$^{3+}$,Mg,Fe$^{2+}$)$</em>{24}$ (Si,Al)$<em>{11}$O$</em>{16}$ (OH)$_{10}$, 2$n$H$_2$O</td>
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<td>Fluckite</td>
<td>CaMn$^{2+}$H$_2$(AsO$_4$)$_2$ 2H$_2$O</td>
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<td>Fluoborite</td>
<td>Mg$_4$(BO$_4$)$_2$(F,OH)$_3$</td>
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<td>Fluorapatite</td>
<td>Ca$_5$(PO$_4$)$_3$F</td>
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<td>Fluorite</td>
<td>CaF$_2$</td>
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<td>Forsterite</td>
<td>Mg$_3$Si$_2$O$_6$</td>
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<td>Fraipontite</td>
<td>(Zn,Al)$_2$(Si,Al)$_3$O$_9$ (OH)$_4$</td>
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<td>5°Franklin furnace</td>
<td>Ca$<em>{4}$(Fe$^{2+}$,Al)Mn$</em>{52+}$ (Si,Al)$<em>{11}$O$</em>{16}$ (OH)$_{10}$</td>
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<td>Franklinite</td>
<td>(Zn,Mn$^{2+}$,Fe$^{3+}$)$_3$ (Fe$^{3+}$,Mn$^{3+}$)$_3$O$_4$</td>
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<td>Franklinphilite</td>
<td>(K,Na)$<em>4$(Mn$</em>{2}^{2+}$,Zn,Mg,Fe$^{3+}$)$<em>{12}$ (Si,Al)$</em>{16}$ (OH)$_{29}$ (OH)$_4$, 8-9H$_2$O</td>
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<td>Friedelite</td>
<td>Mn$^{3+}$Si$_2$O$<em>5$(OH,Cl)$</em>{10}$</td>
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<tr>
<td>Gageite-Ito</td>
<td>(Mn$^{2+}$,Mg,Zn)$<em>2$Si$<em>6$O$</em>{15}$ (OH)$</em>{18}$</td>
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<tr>
<td>Gageite-2M</td>
<td>Mn$<em>5$Si$<em>2$O$</em>{19}$ (OH)$</em>{18}$</td>
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<tr>
<td>Gehlenite</td>
<td>ZnAl$_2$O$_4$</td>
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<tr>
<td>Galena</td>
<td>PbS</td>
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<tr>
<td>Ganenomelit</td>
<td>Pb$<em>2$Ca$</em>{2}$Mn$_{3+}$Si$<em>3$O$</em>{15}$</td>
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<tr>
<td>Ganophylite</td>
<td>(K,Na)$<em>2$(Mn,Al,Mg) (Si,Al)$</em>{11}$O$<em>{16}$ (OH)$</em>{10}$</td>
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<td>Genfelsite</td>
<td>Zn$_2$Be$_5$(SiO$_4$)$_2$S</td>
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<td>Gerderfitte</td>
<td>NiAl$_2$O$_4$</td>
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<tr>
<td>Gerstmannite</td>
<td>(Mg,Mn$^{2+}$)$_2$ZnSi$_2$O$_4$ (OH)$_2$</td>
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<td>Glaucochroite</td>
<td>CaMn$^{2+}$SiO$_4$</td>
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<tr>
<td>Glaucochot</td>
<td>(Co,Fe)$_2$As$_2$</td>
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<tr>
<td>Goethite</td>
<td>α-Fe$^{2+}$O(OH)</td>
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<tr>
<td>Gold</td>
<td>Au</td>
</tr>
<tr>
<td>Goldenmanite</td>
<td>Ca$_3$(V,Al,Fe$^{3+}$)$_2$(SO$_4$)$_2$ (F,OH)$_3$</td>
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<tr>
<td>Graphite</td>
<td>C</td>
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<tr>
<td>Greenockite</td>
<td>CdS</td>
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<tr>
<td>Grossular</td>
<td>Ca$_2$Al$_3$(SiO$_4$)$_2$</td>
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<tr>
<td>Grouite</td>
<td>Mn$^{2+}$(OH)</td>
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<tr>
<td>Guerinite</td>
<td>Ca$_2$H$_2$(AsO$_4$)$_2$ 9H$_2$O</td>
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<td>CaSO$_4$ 2H$_2$O</td>
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<td>Haidingerite</td>
<td>CaHAsO$_4$H$_2$O</td>
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<td>Halotrichite</td>
<td>Fe$_2$$(Al$SO_4$)$_2$ 22H$_2$O</td>
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<td>Hancockite</td>
<td>(Pb,Ca,Str)$_2$(Al,Fe$^{3+}$)$_2$(SiO$_4$)$_2$(OH)</td>
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<td>Ca$_2$ZnSi$_2$O$_7$</td>
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<td>Hastingsite</td>
<td>NaCa$_2$(Fe$^{3+}$,Fe$^{2+}$)$_2$Si$_2$Al$_2$O$_9$ (OH)$_2$</td>
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<td><strong>Haukite</strong></td>
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<td>Hawleyite</td>
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<td>Zn$<em>2$Mn$</em>{3+}$O$_4$H$_2$O</td>
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<td>Mg$_6$Al$_2$(CO$_3$) (OH)$_4$ 4H$_2$O</td>
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<td>Hydroxyapophyllite</td>
<td>K$_2$Si$_2$O$_5$(OH,F) 8H$_2$O</td>
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<td>Mineral Name</td>
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<td>Magnesieriebeckite</td>
<td>(Na&lt;sub&gt;2&lt;/sub&gt;(Mg&lt;sub&gt;3&lt;/sub&gt;,Fe&lt;sup&gt;2+&lt;/sup&gt;)Si&lt;sub&gt;2&lt;/sub&gt;O&lt;sub&gt;4&lt;/sub&gt;(OH&lt;sub&gt;2&lt;/sub&gt;)&lt;sub&gt;2&lt;/sub&gt;</td>
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<td>Magnesiohornblende</td>
<td>Fe&lt;sup&gt;2+&lt;/sup&gt;Fe&lt;sup&gt;3+&lt;/sup&gt;O&lt;sub&gt;4&lt;/sub&gt;,</td>
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<td>Magnesiohornblende</td>
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<tr>
<td>Magnesium-chlorophoenicite</td>
<td>(Mg&lt;sub&gt;0.3&lt;/sub&gt;ZN&lt;sub&gt;0.7&lt;/sub&gt;(AsO&lt;sub&gt;4&lt;/sub&gt;)&lt;sub&gt;2&lt;/sub&gt;(OH&lt;sub&gt;2&lt;/sub&gt;)&lt;sub&gt;15&lt;/sub&gt;</td>
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<tr>
<td>Magnesiohornblende</td>
<td>Pyrobelonite PbMn&lt;sup&gt;2+&lt;/sup&gt;(VO&lt;sub&gt;4&lt;/sub&gt;)&lt;sub&gt;2&lt;/sub&gt;(OH)</td>
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<td>Magnesiohornblende</td>
<td>Pyrochroite Mn&lt;sup&gt;2+&lt;/sup&gt;(OH&lt;sub&gt;3&lt;/sub&gt;)</td>
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<td>Magnesiohornblende</td>
<td>Pyrophanite Mn&lt;sup&gt;2+&lt;/sup&gt;SiO&lt;sub&gt;3&lt;/sub&gt;</td>
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<td>Magnesiohornblende</td>
<td>Pyroxmargite Mn&lt;sup&gt;2+&lt;/sup&gt;SiO&lt;sub&gt;3&lt;/sub&gt;</td>
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<td>Quartz SiO&lt;sub&gt;2&lt;/sub&gt;</td>
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<td>Magnesiohornblende</td>
<td>Pyrrolitite Fe&lt;sub&gt;3&lt;/sub&gt;S</td>
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<tr>
<td>Magnesiohornblende</td>
<td>Pyroaurite Mn&lt;sup&gt;2+&lt;/sup&gt;(CO&lt;sub&gt;3&lt;/sub&gt;)&lt;sub&gt;2&lt;/sub&gt;(OH&lt;sub&gt;2&lt;/sub&gt;)</td>
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<tr>
<td>Mineral Name</td>
<td>Chemical Formula</td>
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<td>----------------------</td>
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<tr>
<td>Stilbite-Na or</td>
<td>((\text{Na},\text{Ca})_5\text{K}<em>2\text{Al}<em>3\text{Si}</em>{2}\text{O}</em>{11}) 2\text{H}_2\text{O}</td>
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<td>Stilbite-Ca</td>
<td>((\text{Ca})_5\text{Na}_2\text{K}<em>2\text{Al}<em>3\text{Si}</em>{2}\text{O}</em>{11}) 2\text{H}_2\text{O}</td>
</tr>
<tr>
<td>Sideriteitei</td>
<td>(\text{SrCO}_3)</td>
</tr>
<tr>
<td>Sulfur</td>
<td>(\text{S})</td>
</tr>
<tr>
<td>Sussextite</td>
<td>(\text{Mn}^{2+}\text{BO}_3\text{(OH)})</td>
</tr>
<tr>
<td>Synediphite</td>
<td>((\text{Mn}^{2+},\text{Mg},\text{Ca},\text{Pb})_2\text{(As}^{3+}\text{O}_3\text{)}_2\text{(As}^{3+}\text{O}_4\text{)}_2\text{(OH)}_2\text{)H}_2\text{O})</td>
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<tr>
<td>Synchysite-Ce</td>
<td>(\text{Ca}(\text{Ce},\text{La})(\text{CO}_3)_2\text{F})</td>
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<tr>
<td>Talc</td>
<td>(\text{Mg}_8\text{Si}<em>4\text{O}</em>{16}\text{(OH)}_8)</td>
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<td>Tennaniteite</td>
<td>((\text{Cu},\text{Ag},\text{Fe},\text{Zn})_2\text{As}_3\text{S}_3)</td>
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<td>Tephroite</td>
<td>(\text{Mn}_2^{2+}\text{SiO}_4)</td>
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<td>Tetrahedrite</td>
<td>((\text{Cu},\text{Fe},\text{Ag},\text{Zn})_2\text{Sb}_2\text{S}_3)</td>
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<td>Thomsonite</td>
<td>(\text{Ca}_3\text{Na}_2\text{Al}_3\text{Si}<em>4\text{O}</em>{12}\text{H}_2\text{O})</td>
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<td>Thorite</td>
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<td>Thortveitite</td>
<td>((\text{Sc},\text{Y})_2\text{Si}_3\text{O}_9)</td>
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<td>Thoriteite</td>
<td>((\text{Th},\text{U},\text{Ca})\text{Ti}(\text{O},\text{OH})_6)</td>
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<td>Tillasite</td>
<td>(\text{CaMg(AsO}_3\text{)}\text{F})</td>
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<td>Titanite</td>
<td>(\text{CaTiSiO}_3)</td>
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<tr>
<td>Todorokite</td>
<td>((\text{Mn}^{2+},\text{Ca},\text{Mg})\text{Mn}_4^{4+}\text{O}_7\text{H}_2\text{O})</td>
</tr>
<tr>
<td>*Torreyite</td>
<td>((\text{Mg},\text{Mn}^{2+})_2\text{Zn}_n\text{SO}_4\text{(OH)}_2\text{H}_2\text{O})</td>
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<tr>
<td>Tremolite</td>
<td>((\text{Ca,Fe})_2\text{Mg_5Si}<em>2\text{O}</em>{18}\text{(OH)}_2\text{H}_2\text{O})</td>
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<tr>
<td>Turnearaite</td>
<td>(\text{Ca}_6\text{[(As,P)O}_4\text{]}\text{Cl})</td>
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<td>Unnamed amphibole</td>
<td>(\text{Ca}_9\text{(Mg,Al)}_3\text{Si}<em>3\text{O}</em>{12}\text{(OH)}_2\text{H}_2\text{O})</td>
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<td>Uraninite</td>
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<td>Uranophane</td>
<td>(\text{Ca(UCO}_3\text{)(OH)}_2\text{H}_2\text{O})</td>
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<td>Uranosonite</td>
<td>(\text{Ca(UCO}_3\text{(AsO}_5\text{)}_2\text{H}_2\text{O})</td>
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<tr>
<td>Uvite</td>
<td>((\text{Ca,Na})_2\text{(Mg,Fe}^{2+})_2\text{Al}_2\text{Mg(BO}_3\text{)}_2\text{Si}<em>3\text{O}</em>{14}\text{(OH,F)}_4)</td>
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<td>Vesuvianite</td>
<td>(\text{Ca}_2\text{Mg}_2\text{Al}_5\text{Si}<em>4\text{O}</em>{12}\text{(OH)}_2\text{H}_2\text{O})</td>
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<td>Villyaellenite</td>
<td>((\text{Mn}^{2+},\text{Ca},\text{Zn})_2\text{(AsO}_3\text{)](AsO}_5\text{(OH)}_4\text{H}_2\text{O}\text{)}\text{H}_2\text{O})</td>
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<td>*Wallkildellite</td>
<td>(\text{Ca}_5\text{Mn}_2^{2+}\text{As}_3^{3+}\text{O}_9\text{(OH)}_2\text{H}_2\text{O})</td>
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<td>*Wawayandaite</td>
<td>(\text{Ca}_2\text{Mn}_2^{2+}\text{B}<em>2\text{Be}</em>{10}\text{Si}<em>2\text{O}</em>{12}\text{(OH,Cl)}_3\text{H}_2\text{O})</td>
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<td>Wendwilsonite</td>
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<td>Willemite</td>
<td>(\text{Zn}_2\text{SiO}_4)</td>
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<td>Wollastonite</td>
<td>(\text{CaSiO}_3)</td>
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<td>Woodroffe</td>
<td>((\text{Zn},\text{Mn}^{2+})\text{Mn}_4^{4+}\text{O}_7\text{H}_2\text{O})</td>
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<td>Wulfenite</td>
<td>(\text{PbMoO}_4)</td>
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<td>Wurtzite</td>
<td>((\text{Zn},\text{Fe})\text{S})</td>
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<td>Xonotlite</td>
<td>(\text{Ca}_4\text{Si}<em>4\text{O}</em>{19}\text{(OH)}_2\text{H}_2\text{O})</td>
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<td>*Yeatsmanite</td>
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<td>Yukonite</td>
<td>(\text{Ca}_2\text{Fe}_2^{3+}\text{(AsO}_4\text{)}_2\text{(OH)}_2\text{H}_2\text{O}\text{)}\text{H}_2\text{O})</td>
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<td>Zincsite</td>
<td>(\text{Zn}_2\text{Al}_2\text{Si}<em>4\text{O}</em>{14}\text{(OH)}_2\text{H}_2\text{O})</td>
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<td>Zincite</td>
<td>((\text{Zn,Fe}^{2+})\text{O}_2)</td>
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<td>Zinkenite</td>
<td>(\text{Pb}_2\text{Sb}_2\text{S}_4)</td>
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<td>Zinccon</td>
<td>(\text{ZrSiO}_4)</td>
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<tr>
<td>Znucalite</td>
<td>(\text{CaZn}_4\text{(UCO}_3\text{)(OH)}_2\text{H}_2\text{O})</td>
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Minerals Unique to Franklin and Sterling Hill = 34
Total Mineral Species found at Franklin and Sterling Hill = 357

Changes to the list: dundasite - added
hellandite to hallandite-Y- changed
paragonite - added
rouaite - added
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<tr>
<td>1</td>
<td>Detrin Minerals</td>
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<td>Yankee Minerals</td>
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<td>3</td>
<td>Pequa Rare Minerals</td>
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<td>4</td>
<td>Excalibur Mineral Co.</td>
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<td>5</td>
<td>Howard Minerals</td>
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<td>Celinka</td>
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<td>7</td>
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<td>Fowler’s Wire wrapping</td>
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<td>The Mineral Cabinet</td>
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<td>10</td>
<td>J &amp; P Minerals</td>
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<td>Absolute Clarity &amp; Calibration</td>
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<td>Gemmery of Palm Cost</td>
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<td>21-22</td>
<td>Quarry Enterprises</td>
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<td>Melvin's Minerals</td>
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<td>Exotic Minerals of Russia</td>
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<td>Treasure's Everywhere</td>
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<td>Veronica Matthews Minerals</td>
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<td>C.B. Ward Fluorescent Minerals</td>
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<td>31</td>
<td>UV Systems Inc.</td>
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</table>
Booth #1

DETRIN
College Point, New York 11356
718-886-3232

Booth #2

YANKEE MINERAL & GEM CO.
22 East Hayes Road
East Hampton, CT 06424
Booth #3

PEQUA
RARE MINERALS
342 Forest Ave.
Massapequa, NY 11758-5707

Booth #4

RARE MINERALS - METEORITES
ANALYTICAL SERVICES
MICROSCOPES - UV LAMPS
COLLECTING TOOLS
DIAMOND xls - GEMSTONES

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Excalibur Mineral Co.
1000 North Division Street - Peekskill, NY 10566
Tel: (914) 739-1134 Fax: (914) 739-1257
www.excaliburmineral.com
MEMORIUM

Since he loved and collected minerals from Franklin - Ogdensburg
On this special weekend we remember
HOWARD BELSKY
(1958 - 1987)

CHARLOTTE & MEL BELSKY

HOWARD MINERALS
2775 Bedford Ave.
Brooklyn, NY 11210
(718) 434-8538
Booth #6

CELINKA
1522 Walnut Ave.
Bohemia, NY 11716

Booth #7

Rocko Minerals and Jewelry
Box 3A Route 3
Margaretville, NY 12455
845-586-3837
rocko@catskill.net
Booth #8

Fowler’s Wire Wrapping
P.O. Box 699
Gooch Land, VA 23063

Booth #9

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<th>Location</th>
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<td><strong>High Point Country Inn</strong></td>
<td><strong>Sussex, New Jersey</strong></td>
<td>973-875-1860</td>
</tr>
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<td><strong>Sussex Motel</strong></td>
<td><strong>Sussex, New Jersey</strong></td>
<td>973-875-4191</td>
</tr>
<tr>
<td><strong>Appalachian Motel</strong></td>
<td>367 Rt. 94, Vernon, New Jersey</td>
<td>973-764-6070</td>
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<tr>
<td><strong>Byram Motel</strong></td>
<td>Stanhope, New Jersey</td>
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<tr>
<td><strong>Forest Motel</strong></td>
<td>Branchville, New Jersey</td>
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</tr>
<tr>
<td><strong>Holiday Motel</strong></td>
<td>Andover, New Jersey</td>
<td>973-786-5260</td>
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<td><strong>Legends Resort</strong></td>
<td>Vernon, New Jersey</td>
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<td><strong>Rolling Hills Motel</strong></td>
<td><strong>Sussex, New Jersey</strong></td>
<td>973-875-1270</td>
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<tr>
<td><strong>Sussex Inn</strong></td>
<td>Rt. 23</td>
<td>973-875-3000</td>
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<tr>
<td><strong>Best Western</strong></td>
<td>Matamoras, Pennsylvania</td>
<td>1-570-491-2400</td>
</tr>
<tr>
<td><strong>Cobmine Ridge Motel</strong></td>
<td>Branchville, New Jersey</td>
<td>973-948-3459</td>
</tr>
<tr>
<td><strong>Days Inn</strong></td>
<td><strong>McAfee, New Jersey</strong></td>
<td>973-827-4666</td>
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<tr>
<td><strong>Sullivan’s Gaslight Inn</strong></td>
<td>Franklin, New Jersey</td>
<td>973-827-8227</td>
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<td><strong>The Spa</strong></td>
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Sterling Hill Mining Museum
Franklin Heritage Museum
Thomas S. Warren Museum of Fluorescence

Scan courtesy of the Franklin-Ogdensburg Mineralogical Society, www.FOMSNJ.org
The Franklin-Ogdensburg Mineralogical Society, Inc. is an organization established to provide programs designed to benefit the community, the collector and those interested in the minerals, mineralogy and geology of the Franklin-Ogdensburg area of New Jersey.

Our purpose is:

1. To establish and maintain, in cooperation with other interested groups, a permanent Museum in Franklin, New Jersey, for the minerals of Franklin and Ogdensburg.

2. To develop new information on the minerals and mineralogy through cooperative programs with Universities and other scientific organizations and individuals.

3. To obtain and make available accurate up-to-date information on the minerals and mineralogy of the areas.

4. To facilitate collecting of the minerals while conserving material for future collectors.

5. To facilitate identification of the minerals.

6. To promote fellowship and the advancement of mineralogy and geology by providing meetings for the members of the Society.

If you are interested in these or related programs, you are invited to join with us. Our yearly activities consist of seven scheduled meetings and field trips, with special trips to Museums, Universities and other areas of special interest. Our publication "The Picking Table", which is issued twice yearly, in March and September, will advise you regarding the meeting and field trip dates and other activities of the Society.

Dues are $15 for individual memberships - $20 for family memberships
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EXITS

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Franklin Mineral Museum’s
Endowment Fund and Building Fund

The Board of Trustees realized that the continued financial and educational success of the mineral museum depends upon two long-term projects when they established an Endowment Fund and a Building Fund.

**The Endowment Fund** accepts monies from estates, trusts and the general public. Income from the endowment fund is reinvested and may be used for operations, if necessary. Donations to this fund are applied to the principle, which are invested in secure interest earning accounts.

**The Building Fund** also accepts monies from estates, trusts and the general public for the use in expansion and maintenance of its buildings. Monies received by the Building Fund are used for its stated purpose and not for general operation.

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- **Corporate** - $1,000 one time fee
- **Sustaining** - $5,000 in money, material, and/or services

Donations to either of these funds can be made out to the Franklin Mineral Museum and mailed to P.O. Box 54, Franklin, New Jersey 07416. Please indicate which of the funds the donations is for if you have a preference.

The trustees sincerely appreciate your support of the permanent preservation of the mineral history of the zinc mines of Franklin, New Jersey.

*All donations to the Endowment Fund and Building Fund are tax deductible.*
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43.
The Museum is a private, non-profit organization created for the educational and scientific purposes in mineralogy, geology, archeology, and paleontology. The Museum's primary emphasis is the history and mineralogy of the Franklin-Sterling Mineral district. We would like to welcome all our members new and old and express our appreciation for your continued support.

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   b) 10 Collecting Dump* admissions, per year.
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SUN 10 AM - 5 PM

Hardyston Township School
SAT 9AM - 5:30 PM
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Ogdensburg Historical Society

Map not to scale

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Tours and Collecting daily

SPECIAL EVENTS
May Appreciation Day
June Night Dig
September Gem Show
November Night Dig
check web page for dates

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