

### 1998

FRIDAY, SEPTEMBER 25th • 5-9 SATURDAY, SEPTEMBER 26th • 9-6 SUNDAY, SEPTEMBER 27th • 10-5



FRANKLIN, NEW JERSEY The Fluorescent Mineral Capital of the World STERLING HILL MINING MUSEUM 30 PLANT STREET OGDENSBURG, NJ 07439-1126

> Welcome to **The Sterling Hill Mine** in Ogdensburg, NJ



THE GATES ARE OPEN TO THE PUBLIC FOR A ONCE IN THE LIFETIME, THRILLING OPPORTUNITY TO VISIT THE LAST UNDERGROUND MINE TO OPERATE IN NEW JERSEY! THERE ARE ACTIVITIES SUCH AS AN UNDERGROUND TOUR, VIEW THE <u>WORLD'S LARGEST FLUORESCENT DISPLAY</u>, WALK THROUGH HISTORIC MINE BUILDINGS AND MUCH MORE!

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#### Last Sunday of each month, April to Nov. 10 AM to 3 PM

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ADULT	9.00
CHILDREN (UNDER 17)	6.00
SENIOR CITIZEN	8.00

#### **GROUP RATES**

FOR 10 OR MORE, RESERVATIONS ARE REQUIRED FOR A \$1.00 DISCOUNT PER PERSON.

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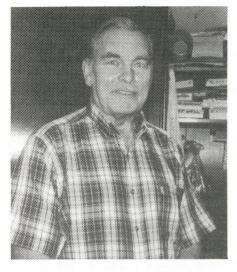
#### HOURS

OPEN 7 DAYS A WEEK FROM APRIL 1 TO NOV. 30 MARCH AND DEC., WEEKENDS ONLY OTHER TIMES BY APPOINTMENT ONLY HOURS 10 AM TO 5 PM TOURS AT 1 PM AND 3 PM.

Jacket and Sweater Recommended Proper footwear required

For information call (973)209-7212

## - DEDICATION -



## REMEMBERING CLARENCE E. CASE

Clarence was born in Ogdensburg, NJ in 1928 and was a lifelong resident there. He had may experiences that gave him a full productive life and that enriched the lives of many whom had crossed his path. Clarence was employed as a miner from 1946 until 1950, having worked underground for the NJ Zinc Company in the Sterling Mine in Ogdensburg. Thereafter he entered service in the U.S. Army, a

veteran of the Korean War period and served with the occupational forces in Germany with the 40th Tank Battalion, 4th Infantry Division. He also was a member of the 4th Division NJ Association.

After service Clarence briefly returned to work in the mine until learning the plumbing trade under Herbert Moyse and later with Robert Decker of Sparta. Thereafter he became a Master Plumber and started his own business, C.E. Case, Plumbing and Heating.

He was an active member of the Franklin Kiwanis Club from 1976 until it was disbanded in 1985. He served as its president from 1978 till 1981 and once again, in 1983. He was an International Life member of Kiwanis since 1980. He served as a trustee on the Franklin Mineral Museum board being a strong supporter of that institution.

Clarence's life came full circle in 1990 when he became a tour guide at the Sterling Hill Mining Museum in Ogdensburg. He was a favorite with many visitors, especially with the children, holding them in thrall with stories of his days as a miner. Many of his stories were told with a certain mischievous glint in the eye.

He passed away on July 20, 1998 and is survived by his wife the former Marian Estes, two sons, Randall of Montana and Daryl of Ogdensburg, a brother Stan Case of Sparta, and four grandchildren.

#### Fluorescent Minerals of Franklin and Sterling Hill, N.J. A 1998 CHECK-LIST BASED ON OBSERVATIONS BY RICHARD C. BOSTWICK

FL = fluoresces; PH = phosphoresces; SW = shortwave ultraviolet radiation; LW = longwave ultraviolet radiation

These descriptions are necessarily brief and hence simplistic. The ultraviolet wavelength (SW or LW) listed with a fluorescent response is the wavelength for which the response is stronger, many listed minerals fluorescent under both LW and SW. Unusual fluorescent responses are listed in parentheses. Fluorescent intensity and subtle differences in hue are not mentioned.

While mineral fluorescence is a powerful tool for rapid mineral identification, it should be used in conjunction with other identification techniques.

Albite: FL red SW Aragonite: FL/PH cream LW (FL green SW) Barite: FL cream SW (FL/PH yellow SW/LW, FL white SW and pale green LW) Barylite: FL violet SW, conspicuous under iron arc Bassanite: Fl/PH violet SW Bustamite: FL cherry red LW Cahnite: FL/PH cream SW Calcite: FL orange-red SW with brief red-orange PH (Also FL pink, orange, cream, white, green, blue, vellow, violet, etc.) Canavesite: Fl/PH violet LW Celestine: FL/PH cream LW (FL violet SW) Cerussite: FL yellow LW Chabazite: FL green SW Charlesite: FL pale blue SW. coated with cream-FL gypsum Chondrodite: FL yellow, yellow-orange SW Clinohedrite: FL/PH orange SW Corundum: FL cherry-red LW Cuspidine: FL orange-yellow SW with brief orange-red PH Datolite: FL cream SW Diopside: FL blue SW. cream LW Dypingite: FL/PH blue SW/LW Epsomite: FL cream LW Esperite: FL lemon-yellow SW Fluoborite: FL cream SW Fluorapatite: FL orange or blue SW (FL "peach" SW) Fluorapophyllite: FL/PH white SW Fluorite: FL/PH blue-green SW/LW, FL violet-blue LW (FL white LW) Guerinite: FL/PH white SW Gypsum: FL/PH cream, pale blue, pale violet SW Hardystonite: FL violet to violet-blue SW/LW Hedyphane: FL cream, orange SW Hemimorphite: FL/PH white LW (FL green SW) Hodgkinsonite: FL deep cherry red LW Humite: rarely FL pale yellow SW Hyalophane: FL red SW Hydrotalcite: FL cream LW Hydroxyapophyllite: FL/PH weak white SW Johnbaumite: FL orange SW Junitoite: FL pale yellow LW

Magnesiohornblende: FL greenish-blue SW Manganaxinite: FL red SW Margarite: FL yellow SW/LW Margarosanite: FL blue & red SW (FL orange LW) Marialite: FL yellow SW and pink LW Mcallisterite: FL cream SW Meionite: FL pinkish-red SW (Also FL pink, orange, yellow, cream LW/SW) Meta-ankolcite: FL green SW Metalodevite: FL green SW Microcline: FL blue or red SW Minehillite: FL violet SW Monohydrocalcite: FL green SW + white PH Nasonite: FL pale yellow SW Newbervite: FL cream SW Norbergite: FL yellow SW Pargasite: FL greenish-blue SW Pectolite: FL/PH orange SW Pharmacolite: FL weak violet SW Phlogopite-1M: FL yellow SW Picropharmacolite: FL/PH white LW Powellite: FL yellow SW Prehnite: FL orangeish pink SW Quartz: FL yellow or green SW Roeblingite: FL red SW with brief red-orange PH Samfowlerite: FL weak red SW Smithsonite: FL/PH white SW Sphalerite: FL, PH orange, yellow-orange, orange-yellow, and blue LW Spinel: FL cherry-red LW Strontianite: FL violet SW/LW Talc: FL cream SW Thomsonite: FL cream SW Tilasite: FL vellow SW Titanite: FL yellow-orange SW Tremolite: FL blue SW (vellow LW) Turneaureite: Fl orange SW Uranospinite: FL green SW Uvite: FL yellow SW Willemite: FL/PH green SW (FL, PH yellow, greenish-yellow, orange, pale blue SW) Wollastonite: FL/PH orange to yellow SW Xonotlite: FL violet SW Zincite: FL vellow LW/SW Zircon: FL orange SW Znucalite: FL green SW

The comprehensive list of minerals from the Franklin-Sterling Hill Area, compiled by Pete J. Dunn and John L. Baum in 1998.

Acanthite Actinolite Adamite Adelite Aegirine Akrochordite Albite Allactite Allanite-(Ce) Alleghanyite Almandine Analcime Anandite Anatase Andradite Anglesite Anhydrite Annabergite Anorthite Anorthoclase Antlerite Aragonite Arsenic Arseniosiderite Arsenopyrite Atacamite Augite Aurichalcite Aurorite Austinite Azurite Bakerite **Bannisterite** Barite Barium-pharmacosiderite Barylite Barysilite Bassanite Baumhauerite Bementite Berthierite Bianchite Biotite Birnessite Bornite Bostwickite Brandtite Breithauptite Brochantite Brookite Brucite Bultfonteinite **Bustamite** 

Cahnite Calcite Canavesite Carrollite Caryopilite Celestine Celsian Cerussite Chabazite Chalcocite Chalcophanite Chalcopyrite Chamosite Charlesite Chloritoid Chlorophoenicite Chondrodite Chrysocolla Cianciulliite Clinochlore Clinochrysotile Clinoclase Clinohedrite Clinohumite Clinozoisite Clintonite Conichalcite Connellite Copper Corundum Covellite Cryptomelane Cummingtonite Cuprite Cuprostibite Cuspidine

Datolite Descloizite Devilline Digenite Diopside Djurleite Dolomite Domeykite Duftite Dypingite

Edenite Epidote Epsomite Erythrite Esperite Euchroite Eveite

Fayalite Feriknechtite Ferrinolybdite Ferroactinolite Ferroactinolite Ferroaxinite Ferroaxinite Finckite Fluckite Flucorapatite Fluorapatite Fluorapophyllite Fluorite Forsterite Fraipontite Franklinfurnaceite Franklinite Franklinphilite Friedelite

Gageite-1Tc Gageite-2M Gahnite Galena Ganomalite Ganophyllite Genthelvite Gersdorffite Gerstmannite Glaucochroite Goethite Gold Goldmanite Graphite Greenockite Grossular Groutite Guerinite Gypsum

Haidingerite Halotrichite Hancockite Hardystonite Hastingsite Hauckite Hausmannite Hawlevite Hedenbergite Hedyphane Hematite Hemimorphite Hendricksite-1M Hercynite Hetaerolite Heulandite Hexahydrite Hodgkinsonite Holdenite Hornblende Huebnerite Humite Hyalophane Hydrohetaerolite Hydrotalcite Hydroxyapophyllite Hydrozincite

Illite Ilmenite

Jacobsite Jarosewichite Jerrygibbsite Johannsenite Johnbaumite Junitoite Kaolinite Kentrolite Kittatinnyite Koettigite Kolicite Kraisslite Kutnahorite

Larsenite Laumontite Lawsonbauerite Lead Legrandite Lennilenapeite Leucophoenicite Linarite Lizardite Loellingite Loseyite

Magnesiohornblende Magnesioriebeckite Magnesium-chlorophoenicite Magnetite Magnussonite Malachite Manganaxinite Manganberzeliite Manganese-hoernesite Manganhumite Manganite Manganosite Manganpyrosmalite Marcasite Margarite Margarosanite Marialite Marsturite Mcallisterite Mcgovernite Meionite Meta-ankoleite Metalodevite Metazeunerite Microcline Mimetite Minehillite Molybdenite-2H Monazite-(Ce) Monohydrocalcite Mooreite Muscovite-1M Nasonite Natrolite

Natrolite Nelenite Neotocite Newberyite Niahite Nickeline Nontronite Norbergite

Ogdensburgite Ojuelaite Oligoclase Orthochrysotile Orthoclase Orthoserpierite Otavite

Parabrandtite Pararammelsbergite Parasymplesite Pargasite Pectolite Pennantite-1a Petedunnite Pharmacolite Pharmacosiderite Phlogopite-1M Picropharmacolite Piemontite Pimelite Powellite Prehnite Pumpellyite-(Mg) Pyrite Pyroaurite Pyrobelonite Pyrochroite Pyrophanite Pyroxmangite Pyrrhotite

#### Quartz

Rammelsbergite Realgar Retzian-(La) Retzian-(Nd) Rhodochrosite Rhodonite Richterite Robelingite Robelingite Rossasite Rossasite Roweite Rutile

Safflorite Samfowlerite Sarkinite Sauconite Schallerite Scheelite Schorl Sclarite Scorodite Seligmannite Sepiolite Serpierite Siderite Sillimanite Silver Sjögrenite Skutterudite Smithsonite Sonolite Spangolite Spessartine

Sphalerite Spinel Starkeyite Sterlinghillite Stibnite Stibnite Strontianite Sulfur Sussexite Synadelphite

#### Talc

Tennantite Tephroite Thetrahedrite Thomsonite Thorite Tilasite Titanite Todorokite Todroyite Tremolite Turneaureite

Uraninite Uranophane Uranospinite Uvite

Vesuvianite Villyaellenite

Wallkilldellite Wawayandaite Wendwilsonite Willemite Wollastonite Woodruffite Wulfenite Wurtzite

Xonotlite

Yeatmanite Yukonite

Zinalsite Zincite Zinkenite Zircon Znucalite

[Monazite-(Ce), described by Pitman and Bearss in Mineralogical Record, 27, 439-442 (1996), is the only new addition to this list].

#### Species unique to Franklin and Sterling Hill

Of the sixty-nine valid species described from Franklin or Sterling Hill for the first time, thirty-five remain unique to these deposits: they have not been found elsewhere. This is a changeable list; some of these species will likely be found elsewhere in the future. Those minerals with essential combined Mn and Zn, and those minerals having these elements in combination with As and Si, will likely remain unique to Franklin or Sterling Hill for some time. These unique species represent approximately 10% of those found here, and approximately 1% of all known on earth.

BOSTWICKITE CaMn<sup>3+</sup><sub>6</sub>Si<sub>3</sub>O<sub>16</sub>.7H<sub>2</sub>O

CHARLESITE Ca<sub>6</sub>(Al,Si)<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>[B(OH)<sub>4</sub>](OH)<sub>12</sub>.26H<sub>2</sub>O

CHLOROPHOENICITE Mn<sub>3</sub>Zn<sub>2</sub>(OH)<sub>6</sub>[As<sub>0.5</sub>H<sub>0.5</sub>(O,OH)<sub>3</sub>]<sub>2</sub>

CIANCIULLIITE Mn(Mg,Mn)<sub>2</sub>Zn<sub>2</sub>(OH)<sub>10</sub>·2-4H<sub>2</sub>O

 $\label{eq:FRANKLINFURNACEITE} FRANKLINFURNACEITE Ca_2Fe^{3+}Mn^{2+}{}_{3}Mn^{3+}Zn_2Si_2O_{10}(OH)_8$ 

FRANKLINPHILITE  $K_4(Mn,Mg,Zn,Fe)_{48}(Si,Al)_{72}(O,OH)_{216} \sim 6H_2O$ 

GERSTMANNITE (Mg,Mn)<sub>2</sub>ZnSiO<sub>4</sub>(OH)<sub>2</sub>

HARDYSTONITE Ca<sub>2</sub>ZnSi<sub>2</sub>O<sub>7</sub>

HAUCKITE  $(Mn,Mg)_{24}Zn_{18}Fe^{3+}_{3}(SO_{4})_{4}(CO_{3})_{2}(OH)_{81}$ 

HENDRICKSITE K(Zn,Mg)<sub>3</sub>Si<sub>3</sub>AlO<sub>10</sub>(OH)<sub>2</sub>

HODGKINSONITE  $Zn_2Mn(SiO_4)(OH)_2$ 

HOLDENITE  $(Mn,Mg)_6Zn_3(OH)_8(AsO_4)_2(SiO_4)$ 

JAROSEWICHITE Mn<sub>2</sub>Mn<sup>3+</sup>(AsO<sub>4</sub>)(OH)<sub>6</sub>

JOHNBAUMITE Ca<sub>5</sub>(AsO<sub>4</sub>)<sub>3</sub>(OH)

KITTATINNYITE Ca<sub>4</sub> $Mn^{3+}_4Mn^{2+}_2Si_4O_{16}(OH)_8.18H_2O$ 

KOLICITE Mn<sub>7</sub>Zn<sub>4</sub>(AsO<sub>4</sub>)<sub>2</sub>(SiO<sub>4</sub>)<sub>2</sub>(OH)<sub>8</sub> KRAISSLITE Fe<sup>3+</sup>2Mg<sub>4</sub>Mn<sub>44</sub>Zn<sub>6</sub>(AsO<sub>4</sub>)<sub>6</sub>(AsO<sub>3</sub>)<sub>4</sub>(SiO<sub>4</sub>)<sub>12</sub>(OH)<sub>36</sub>

LAWSONBAUERITE (Mn,Mg)<sub>9</sub>Zn<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>22</sub>.8H<sub>2</sub>O

LENNILENAPEITE  $K_{6-7}(Mg,Mn,Zn,Fe)_{48}(Si,Al)_{72}(O,OH)_{216}.16H_2O$ 

 $\label{eq:magnetized_magnetized} MAGNESIUM-CHLOROPHOENICITE (Mg,Mn)_3Zn_2(OH)_6[As_{0.5}H_{0.5}(O,OH)_3]_2$ 

MCGOVERNITE (Mn,Mg,Zn)<sub>273</sub>As<sup>3+</sup><sub>-12</sub>As<sup>5+</sup><sub>-30</sub>Si<sub>-42</sub>O<sub>324</sub>(OH)<sub>252</sub>

 $\begin{array}{l} MINEHILLITE \\ K_2Ca_{28}Zn_5Al_4Si_{40}O_{112}(OH)_{16} \end{array}$ 

MOOREITE Mg<sub>9</sub>Mn<sub>2</sub>Zn<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>26</sub>.8H<sub>2</sub>O

NELENITE  $Mn_{16}Si_{12}O_{30}(OH)_{14}[As^{3+}_{3}O_{6}(OH)_{3}]$ 

PARABRANDTITE Ca<sub>2</sub>Mg(AsO<sub>4</sub>)<sub>2</sub>.2H<sub>2</sub>O

PETEDUNNITE CaZnSi<sub>2</sub>O<sub>6</sub>

RETZIAN-(La)  $Mn_2La(AsO_4)(OH)_4$ 

RETZIAN-(Nd) Mn<sub>2</sub>Nd(AsO<sub>4</sub>)(OH)<sub>4</sub>

SAMFOWLERITE  $Ca_{14}Mn_3Zn_2(Zn,Be)_2Be_6(SiO_4)_6(Si_2O_7)_4(OH,F)_6$ 

SCLARITE (Zn,Mg,Mn)<sub>4</sub>Zn<sub>3</sub>(CO<sub>3</sub>)<sub>2</sub>(OH)<sub>10</sub>

STERLINGHILLITE Mn<sub>3</sub>(AsO<sub>4</sub>)<sub>2</sub>.4H<sub>2</sub>O

TORREYITE (Mg,Mn)<sub>9</sub>Zn<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>22</sub>.8H<sub>2</sub>O

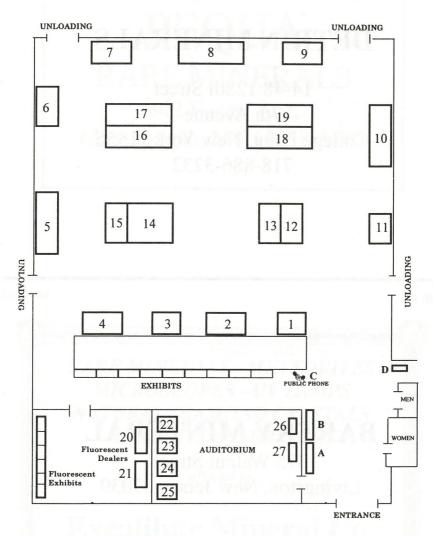
WALLKILLDELLITE Ca<sub>4</sub> $Mn^{2+}_{6}As^{5+}_{4}O_{16}(OH)_{8}$ .18 $H_2O$ 

WAWAYANDAITE Ca<sub>12</sub> $Mn_4B_2Be_{18}Si_{12}O_{46}(OH, Cl)_{30}$ 

YEATMANITE [Mn<sub>5</sub>Sb<sub>2</sub>][Mn<sub>2</sub>Zn<sub>8</sub>Si<sub>4</sub>]O<sub>28</sub>

#### - SHOW FLOOR PLAN LEGEND -

- A Franklin Ogdensburg Mineralogical Society
- B Micromount Mineral Exhibit
- C Public Telephone
- D Microscopic Demonstration
- 1 Detrin Minerals
- 2 Bartky Minerals
- 3 Pequa Rare Minerals
- 4 Excalibur Mineral Co.
- 5 Howard Minerals
- 6 Gilman's
- 7 Jewelry Depot
- 8 Fowler's Wire Wrapping
- 9 The Mineral Cabinet
- 10 J & P Minerals
- 11 Lange's Fossils & Meteorites
- 12 The Gemmery of Palm Coast
- 13 Amazon Imports
- 14 Martin's Minerals
- 15 C. Carter Rich Minerals
- 16 Aurora Mineral Corp.
- 17 The Rocksmiths
- 18 Willis' Earth Treasures
- 19 Mohawk Enterprises
- 20 Charles Ward Fluorescent Minerals
- 21 Hewin's Minerals
- 22 Yankee Mineral & Gem Co.
- 23 Raymond Toglia
- 24 Jendon Minerals
- 25 Gems & Jewelry Palace Inc.
- 26 -
- 27 -



#### FRANKLIN SCHOOL - MINERAL SHOW FLOOR PLAN

7.

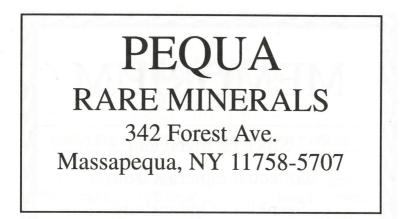
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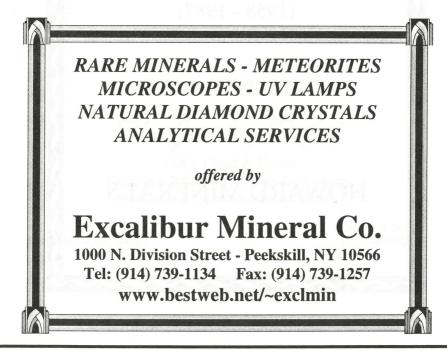
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Booth #4



9.

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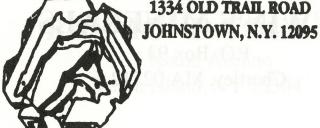
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### Franklin Mineral Museum Franklin, New Jersey



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Curator . . . Miner . . . Editor

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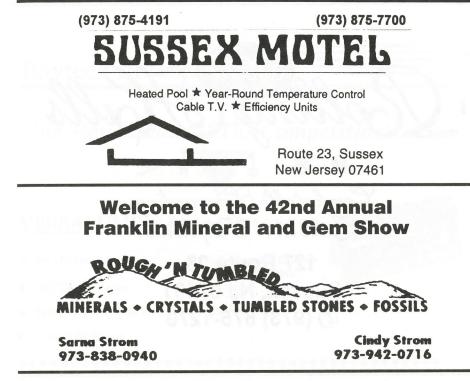
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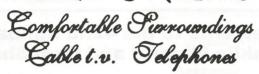
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29.



### ANNUAL FRANKLIN-STERLING HILL MINERAL SHOW EXHIBITORS

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INSTITUTIONS: HARVARD UNIVERSITY GEOLOGICAL MUSEUM RUTGERS UNIVERSITY GEOLOGICAL MUSEUM STERLING HILL MINING MUSEUM FRAKLIN MINERAL MUSEUM INC.

#### Jranklin-Ogdensburg Mineralogical Society, Inc.

BOX 146

FRANKLIN, N. J. 07416

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:-

- To establish and maintain, in cooperation with other interested groups, a permanent Museum in Franklin, New Jersey, for the minerals of Franklin and Ogdensburg.
- To develop new information on the minerals and mineralogy through cooperative programs with Universities and other scientific organizations and individuals.
- To obtain and make available accurate up-to-date information on the minerals and mineralogy of the areas.
- To facilitate collecting of the minerals while conserving material for future collectors.
- 5. To facilitate identification of the minerals.
- 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

Mail your check to: Mr. John Cianciulli, 60 Alpine Road, Sussex, NJ 07461

 MEMBERSHIP APPLICATION

 NAME (Mr. Mrs. Miss)

 ADDRESS

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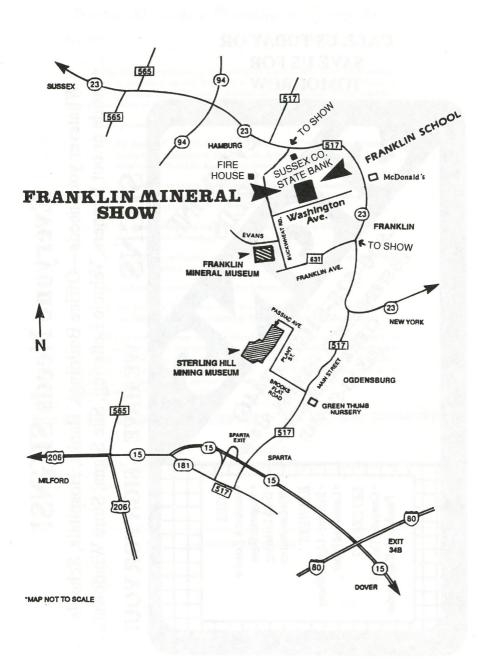
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33.



### 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 was dependent 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. Only the income from the Endowment Fund is used to operate the museum. The principal of the Endowment Fund is restructed from any distribution to museum support or expansions.

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

Donations to either of these funds can be made out to the Franklin Mineral Musem 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.

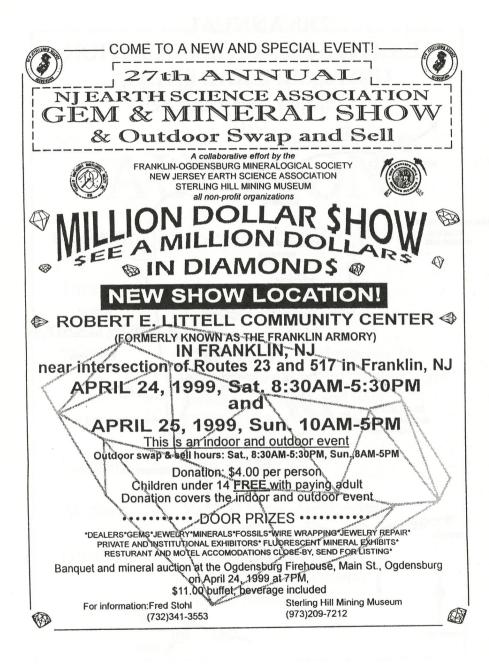
The trustees sincerely appreciate your support of the permanent preservation of the mineral history of the zinc mines of Franklin, New Jersey.

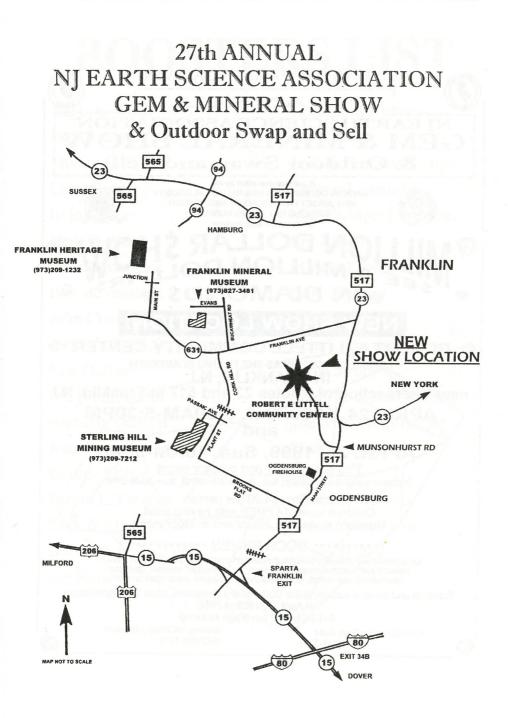
All donations to the Endowment Fund and Building Fund are tax deductible.

# **BOOSTERS LIST**

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# THE 20TH ANNUAL F.O.M.S. BANQUET and AUCTION

## Saturday, September 26, 1998

Time:

6:30 pm Social Time 7:00 pm Dinner Served

Tickets:

\$12.50 per ticket admits one to all-you-can-eat buffet "Italian Style" includes beverage and beer \$2.00 cash bar

Speaker:

John White

Auction:

Location:

Ogdensburg Firehouse Main Street, Ogdensburg Next to the ballfield

Vandall King, Auctioneer

#### LECTURER JOHN SAMPSON WHITE

Personal Data:	Born 1933, Monessen, Pennsylvania	
	U.S. Army, 1956-1958	
	Has three daughters	

Education: Attended public school in Baltimore Co., Maryland B.S. Geology, Franklin & Marshall College, 1956 M.S. Mineralogy. University of Arizona, 1966

#### **Employment History:**

Reisterstown Jr. High School, Baltimore Co., Maryland, teacher, 9th grade science & math, 1958-1960 American Smelting and Refining Co., Tucson, Arizona, field geologist, 1962-1963 Smithsonian Institution, Washington, D.C.

Museum technician/specialist, Division of Mineralogy, 1963-1973

Museum curator, Division of Mineralogy, 1973-1981

Associate curator-in-charge, 1981-1984

Curator-in-charge, 1984-1991

Kustos ("means curation"), partner in museum/collector consulting business, 1991-present

#### Other accomplishments/involvements:

Founder, editor and original publisher of journal The Mineralogical Record

Author of two books on popular mineralogy, technical consultant on two videos and a movie relating to minerals and gems; published more than 60 technical and popular articles about minerals and gems

- Has served as officer in Mineral Museums Advisory Council & Commission on Museums, International Mineralogical Association
- Fellow, Mineralogical Society of America and honorary member of three mineralogical societies and the Washington Guild, American Gem Society

Consultant, Clement Mineral Museum, Marion, Kentucky (1992)

Consultant with The Discovery Channel on the production of geology and mineralogy related portions of the Discovery Interactive Library, a series of video disc/software educational packages being produced for classroom use (1992)

Member, Board of Advisors, Jewelry Trade Center, Bangkok, Thailand (1992-Present)

Secretary, American Gemstone Mining Assoc. (1992-1994)

Consultant with Sandra S. Nichols in GEMART (1992-1995)

Consultant, The Science Museum of Minnesota, St. Paul (1992-1993) (developed new mineral/gem gallery which opened March 1993)

Consultant, The Ben E. Clement Memorial Museum, Marion, Kentucy (1992-Present) Adjunct curator, New Mexico Museum of Natural History, Albuquerque (1993-Present) Consultant, Mineral exhibit, Nature Museum, Grandfather Mountain, NC (1993-Present)

U.S. representative for Munich Mineral Show

Consulting editor, Rocks and Minerals (1996-Present)

#### Qualifications as an appraiser:

Nine years as a mineral/gem dealer (1960-1962, 1991-Present)

Twenty-eight years purchasing & exchanging minerals and gemstones while at the U.S. National Museum, Smithsonian Institution (1963-1991)

#### Appraisals include four major mineral collections

Houston Museum of Natural Science (Sept. 1991 Folch Girona Collection, Barcelona, Spain (Oct. 1991) M. Romero collection, Puebla, Mexico (May 1994) The Lyman Museum, Hilo, Hawaii (April 1995)

#### Plus

Gems at Hillwood, the Marjorie M. Post Estate in Washington, DC (1991) Fourteen pieces of lapidary art for E.F. Watermelon, East Lyme, CT (1993-1994) Mineral collection donated to University of Delaware, Newark, DE (1995) Gem collection donated to University of Delaware, Newark, DE (1995)

#### FRANKLIN MINERAL MUSEUM MEMBERSHIPS

(1). M (2). 10	<b>pries include the following:</b> Iuseum identification card. 9% discount at shop (including minerals), except consignment items. Iay consign items in museum shop.
<u>1. Individu</u>	<ul> <li>\$15 per year</li> <li>\$10 per year for students (grammar, high school, and college students of all ages with valid college ID)</li> </ul>
Benefits:	Three free admissions to museum and/or dump (i.e., 3 museum or 3 dump or any combination thereof)
	- \$25 per year Five free admissions to museum and/or dump
	<ul> <li>\$50 per year</li> <li>(1). Ten free admissions to museum and/or dump</li> </ul>
	(2). Invitation to attend annual mineral auction; attendance restricted to Patron, Life, and Sustaining members only.
	500 one-time fee (1). Unlimited museum visits for member, plus 10 dump admissions per year, plus 20 guest admissions per year for museum and/or dump.
	(2). Invitation attend annual mineral auction; attendance restricted to Patron, Life, and Sustaining members only.
	(3). Name put on plaque.
5. Corpora Benefits:	te - \$1,000 one-time fee Name and company logo (if desired) on plaque
<u>6. Sustaini</u> Benefits:	ng - \$5,000 in money, materiel, and/or services Benefits of Life member, plus recognition as deemed appropriate by the Museum Board of Trustees
	Detach Here
-	Date
38	
Town	State Zip Code

Nar

Membership Type

Accepted by \_\_\_\_\_ 0396

#### Franklin Mineral Museum

" Located in The Fluorescent Mineral Capitol of the World" Franklin, New Jersey

The Museum features RARE and UNUSUAL MINERALS, world famous FLUORESCENT MINERALS, FOSSILS, NATIVE AMERICAN ARTIFACTS, a MINE REPLICA and hands-on ROCK COLLECTING.

Thousands of specimens on display from local and world-wide sources. Our magnificent fluorescent display will take your breath away. Tour a mine replica and experience a little of the atmosphere of mining first hand. Then go prospecting on the Buckwheat Dump for your own specimens.

**PICNIC AREA** available so pack your lunch and snacks. Bring back a souvenir of your trip from our fine *GIFT SHOP*. We also carry a wide range of specimens and mineral lights for sale.

#### Operating Schedule

Open March Weekends or weekday by appointment

Monday through Saturday 10 AM until 4 PM Sundays 12:30 until 4:30 Nominal Admission Lees Senior discounts Great Group Rates !! Book Early (reservations recommended for groups) Tours offered Hourly + Collecting Daily

#### VISIT US FOR AN EXPERIENCE

#### YOU WILL NEVER FORGET!!

32 Evans Street • Franklin, NJ (973) 827-3481 Museum Check Out Our Web Page \*\* Special Events \*\* Spring and Lall Night Digs December Holiday Open House May Miners Day Sept Gem & Mineral Show Look for More Events to Come!

