

**51ST
ANNUAL**

Franklin - Sterling

**GEM & MINERAL
SHOW**

**SATURDAY & SUNDAY
SEPTEMBER 29th & 30th, 2007**

Sponsored By



*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

UNDERGROUND MINE TOURS

PASSAIC & NOBLE PIT

COLLECTING OPEN TO THE PUBLIC

During the Franklin-Sterling Hill Mineral Show, Sept. 30, 2007

Open Sunday, 9 AM to 3 PM

Admission: \$5.00 per person, \$1.50 per pound for anything taken

STERLING HILL GARAGE SALE

September 29th and 30th

Saturday and Sunday, from 11 AM to 3 PM

MINE TOUR ADMISSION

ADULT	10.00
CHILDREN (UNDER 12)	7.50
SENIOR CITIZEN (65+)	9.00

HOURS

OPEN 7 DAYS A WEEK
HOURS 10 AM TO 3 PM

TOURS AT 1:00 PM DAILY

& OTHER TIMES BY CHANCE
OR APPOINTMENT
FROM APRIL 1 TO NOV. 30

MARCH AND DEC., WEEKENDS ONLY
OTHER TIMES BY APPOINTMENT

JAN AND FEB., WEEKENDS ONLY
OTHER TIMES BY APPOINTMENT

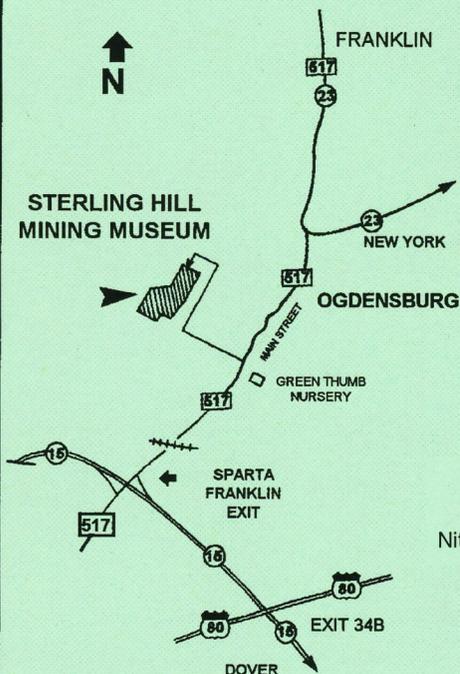
Nite Collecting Sat. Sept. 29th from 6-11 PM

GROUP RATES AVAILABLE

For information call
(973)209-7212

FAX 973-209-8505

www.sterlinghill.org



COLLECTING AVAILABLE
7 Days A Week, April to Nov. 10 AM to 3 PM

MINERAL SPECIES FOUND AT FRANKLIN-STERLING HILL, NJ

(Revised by FOMS Mineral List Committee September 2007)

Acanthite	Birnessite	Cuprite
Actinolite	Bornite	Cuprostibite
Adamite	Bostwickite	Cuspidine
Adelite	Brandtite	Cyanotrichite
Aegirine	Breithauptite	
Akrochordite	Brochantite	
Albite	Brookite	Datolite
Allactite	Brucite	Descloizite
Allanite-(Ce)	Bultfonteinite	Devilline
Alleghanyite	Bustamite	Digenite
Almandine		Diopside
Analcime	Cahnite	Djurleite
Anandite	Calcite	Dolomite
Anatase	Canavesite	Domeykite
Andradite	Carrollite	Dravite
Anglesite	Caryopilite	Duftite
Anhydrite	Celestine	Dundasite
Annabergite	Celsian	Dypingite
Anorthite	Cerussite	
Anorthoclase	Chabazite-Ca	Edenite
Antlerite	Chalcocite	Epidote
Aragonite	Chalcophanite	Epidote-Pb
Arsenic	Chalcopyrite	("Hancockite")
Arseniosiderite	Chamosite	Epsomite
Arsenopyrite	Charlesite	Erythrite
Atacamite	Chloritoid	Esperite
Augite	Chlorophoenicite	Euchroite
Aurichalcite	Chondrodite	Eveite
Aurorite	Chrysocolla	
Austinite	Ciacciulliite	Fayalite
Azurite	Clinochlore	Feitknechtite
	Clinochrysolite	Ferrimolybdite
Bakerite	Clinoclase	Ferristilpnomelane
Bannisterite	Clinohedrite	Ferro-actinolite
Barite	Clinohumite	Ferro-axinite
Barium-pharmacosiderite	Clinozoisite	Ferrostilpnomelane
Barylite	Clintonite	Flinkite
Barysilite	Conichalcite	Fluckite
Bassanite	Connellite	Fluoborite
Baumhauerite	Copper	Fluorapatite
Bementite	Corundum	Fluorapophyllite
Berthierite	Covellite	Fluorite
Bianchite	Cryptomelane	Fluoro-edenite
Biotite*	Cummingtonite	Forsterite

Fraipontite	Hübnerite	Manganese-hörnesite
Franklinfurnaceite	Humite	Manganhumite
Franklinite	Hydrohetaerolite	Manganite
Franklinphilite	Hydrotalcite	Manganocummingtonite
Friedelite	Hydroxyapophyllite	Manganosite
	Hydrozincite	Manganpyrosmalite
Gageite		Marcasite
Gahnite	Illite	Margarite
Galena	Ilmenite	Margarosanite
Ganomalite		Marialite
Ganophyllite	Jacobsite	Marsturite
Genthelvite	Jarosewichite	Mcallisterite
Gersdorffite	Jerrygibbsite	Mcgovernite
Gerstmannite	Johannsenite	Meionite
Glaucochroite	Johnbaumite	Meta-ankoleite
Glaucodot	Junitoite	Metalodèveite
Goethite		Metazeunerite
Gold	Kaolinite	Microcline
Graeserite	Kentrolite	Mimetite
Goldmanite	Kittatinnyite	Minehillite
Graphite	Köttigite	Molybdenite
Greenockite	Kolicite	Monazite-(Ce)
Grossular	Kraisslite	Monohydrocalcite
Groutite	Kutnahorite	Mooreite
Guérinite		Muscovite
Grunerite	Larsenite	Nasonite
Gypsum	Laumontite	Natrolite
	Lawsonbauerite	Nelenite
Haidingerite	Lead	Neotocite
Halotrichite	Legrandite	Newberyite
Hardystonite	Lennilenapeite	Niahite
Hastingsite	Leucophoenicite	Nickeline
Hauckite	Linarite	Nontronite
Hausmannite	Liroconite	Norbergite
Hawleyite	Lizardite	
Hedenbergite	Löllingite	Ogdensburgite
Hedyphane	Loseyite	Ojuelaite
Hellandite-(Y)		Orthochrysotile
Hematite	Magnesiophorblende	Orthoclase
Hemimorphite	Magnesioriebeckite	Orthoserpierite
Hendricksite	Magnesium-	Otavite
Hercynite	chlorophoenicite	
Hetaerolite	Magnetite	Parabrandtite
Heulandite-Na	Magnussonite	Paragonite
Hexahydrite	Malachite	Pararammelsbergite
Hodgkinsonite	Manganaxinitite	Pararealgar
Holdenite	Manganberzeliite	

Parasymplectite	Seligmannite	Titanite
Pargasite	Sepiolite	Todorokite
Pectolite	Serpierite	Torreyite
Pennantite	Siderite	Tremolite
Petedunnite	Sillimannite	Turneaureite
Pharmacolite	Silver	
Pharmacosiderite	Sjögrenite	Uraninite
Phlogopite	Skutterudite	Uranophane
Picroparmacolite	Smithsonite	Uranospinite
Piemontite	Sonolite	Uvite
Powellite	Spangolite	
Prehnite	Spessartine	Vesuvianite
Pumpellyite-(Mg)	Sphalerite	Villyaellenite
Pyrite	Spinel	
Pyroaurite	Starkeyite	Wallkilldellite-Mn
Pyrobelonite	Sterlinghillite	Wawayandaite
Pyrochroite	Stibnite	Wendwilsonite
Pyrophanite	Stilbite-Ca	Willemite
Pyroxmangite	Stilbite-Na	Wollastonite
Pyroxferroite	Strontianite	Woodruffite
Pyrrhotite	Sulfur	Wulfenite
	Sussexite	Wurtzite
Quartz	Synadelphite	
	Synchysite-(Ce)	Xonotlite
Rammelsbergite		
Realgar	Talc	Yeatmanite
Retzian-(La)	Tennantite	Yukonite
Retzian-(Nd)	Tephroite	
Rhodochrosite	Tetrahedrite	Zinallsite
Rhodonite	Thomsonite	Zincite
Richterite	Thorite	Zinkenite
Rouaite	Thortveitite	Zircon
Roebblingite	Thorutite	Znucalite
Roméite	Tilasite	
Rosasite		
Roweite		
Rutile	*Biotite – Further study is needed to determine which species in the biotite series occur at Franklin & Sterling Hill.	
Safflorite		
Samfowlerite		
Sarkinite	IMA no longer considers hyalophane & oligoclase as species. They are regarded as compositional varieties of other minerals.	
Sauconite		
Schallerite		
Scheelite		
Schorl	Total Mineral Species Identified = 359	
Sclarite		
Scorodite	Total Unique Minerals = 28(bold)	

Fluorescent Minerals of Franklin and Sterling Hill, N.J.

A 2007 CHECK-LIST BASED ON OBSERVATIONS BY RICHARD C. BOSTWICK

FL = fluoresces; PH = phosphoresces; SW = shortwave ultraviolet radiation or UVC;
MW = midwave ultraviolet radiation or UVB; LW = longwave ultraviolet radiation or UVA.

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 weakly under MW and/or LW. Some less common fluorescent responses are listed in parentheses; it is not possible to list all of them here. Likewise, details of fluorescent intensity, saturation, and hue are omitted here, 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

Anorthite: FL pale yellow SW

Aragonite: FL/PH white/cream LW (FL green SW)

Barite: FL pale yellow SW (Can FL yellow SW, MW, & LW, with or without PH)

Barylite: FL violet SW, bright 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 (Rarely FL many other colors, often PH, Sometimes changes FL with UV wavelength)

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, but usually coated with cream-FL gypsum

Chondrodite: FL yellow, yellow-orange SW

Clinochrysoilite: FL "tan" (orange-yellow) SW

Clinohedrite: FL/PH orange SW

Corundum: FL cherry-red LW

Cuspidine: FL orange-yellow SW with brief orange-red PH; MW FL has violet tint added.

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/MW/LW

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.

Fluorapophyllite: 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.

Genthelvite: FL green LW (best)/SW/MR

Guerinite: FL/PH pale yellow SW/MW/LW

Gypsum: FL/PH white, pale yellow, pale blue SW/MW/LW

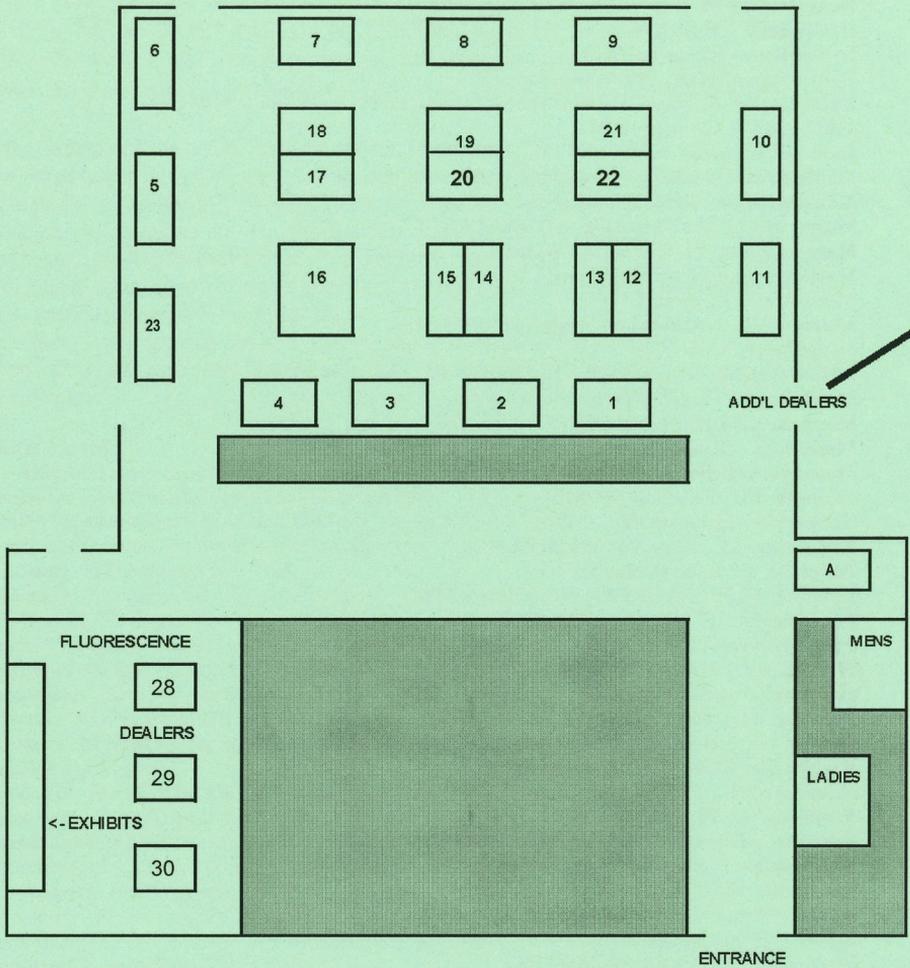
Hardystonite: FL violet to violet-blue SW/MW/LW

Hemimorphite: FL/PH pale yellow to white SW/MW/LW, also FL green SW/LW and blue SW.

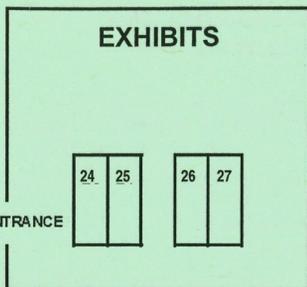
Hexahydrite: FL/PH white SW/MW/LW

Hodgkinsonite: FL weak cherry red MW/LW

Humite: rarely FL pale yellow SW
Hyalophane: FL red SW
Hydroalcite: FL cream LW
Hydroxyapophyllite: FL/PH weak white SW
Hydrozincite: FL blue SW w/pale yellow PH 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, faint PH
Margarite: FL weak white ("gray") SW/MW/LW
Margarosanite: FL blue & red SW, red & rarely orange MW, weak red/orange LW
Marialite: FL yellow SW and 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 + white PH
Nasonite: FL pale yellow SW/MW
Newberyite: FL cream SW
Norbergite: 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-1M: FL yellow SW
Picropharmacolite: FL/PH white LW
Powellite: FL yellow SW/MW
Prehnite: FL orangeish pink SW
Quartz: variable! FL yellow, pale orange, or green SW; FL pale orange, yellow MW.
Roebblingite: FL red SW with 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, blue LW/MW, weaker SW
Spinel: FL cherry-red LW
Starkeyite: 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 (yellow LW)
Turneaureite: FL orange SW
Uranospinite: FL green SW
Uvite: FL orange-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/PH violet SW/LW/LW
Zincite: FL yellow SW/MW/LW
Zircon: FL orange SW/MW
Znucalite: FL green SW/MW



A. Franklin Ogdensburg Mineralogical Society



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Franklin-Ogdensburg Mineralogical Society, Inc.

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 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 to be paid by the 31st of January. A late fee of \$2.00 will apply.

Dues are \$20.00 for individual - \$25.00 for family membership

Make checks payable to FOMS
Send payment with application to
Denise Kroth
240 Union Ave
Woodridge, NJ 07075

MEMBERSHIP APPLICATION

Name _____

Address _____

City _____ State _____ Zip Code _____

Phone(____) _____ Fax(____) _____

E-Mail _____

Individual _____
Family _____ how many membership cards _____

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 is used for its stated purpose and not for general operations.

Present and Proposed Building Fund Projects:

New display cases - for a \$1,500.00 donation a bronze plate will be mounted on a case with your name or dedication.

Donations to either of these funds can be made out to the Franklin Mineral Museum and mailed to 32 Evans St., Franklin, New Jersey 07416. Please indicate which of the funds the donation is for if you have a preference.

The trustees sincerely appreciate your support of 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.

Franklin Mineral Museum Membership

Please join us. The museum was established in 1964 dedicating itself to preserving and maintaining the mineralogy and mining heritage of the local area. In providing educational, and scientific research, the museum continues this today. With your help, the museum will continue for future generations.

You can make a difference.

<input type="checkbox"/> Individual	\$15.00	<input type="checkbox"/> Life	\$500.00
<input type="checkbox"/> Family	\$25.00	<input type="checkbox"/> Benefactor	\$1,000.00
<input type="checkbox"/> Patron	\$50.00	<input type="checkbox"/> Sustaining	\$5,000.00
<input type="checkbox"/> Supporting	\$100.00		

Memberships renew on March 31 of every year

Yearly memberships include the following:

1. Personalized membership card
2. Museum newsletter, 2 issues per year
3. 10% discount in the gift shop, excludes consignment and monographs
4. Discounts on children's birthday parties
5. A special week of holiday shopping discounts, last week of November

Exhibit/collecting, and guest passes vary with each membership type as do membership benefits. Call the museum or check out the web site for details.

Collecting passes are not valid for special collecting events

Web: www.franklinmineralmuseum.com • Email: mineralinfo@earthlink.net

Please complete this form and submit with payment

Franklin Mineral Museum, 32 Evans Street, Franklin, NJ 07416

Please print clearly

Name _____

Address _____

Phone _____

Type of Membership _____

Amount Enclosed _____ CK or CC (please circle)

Card No. _____ Exp. _____

FLUORESCENT EXHIBITS

Richard Bostwick - Fluorescent Exhibit Coordinator

Franklin Mineral Museum

Treasurers from the Academy of Natural Sciences of Philadelphia

Sterling Hill Mining Museum

Wollastonite from Franklin & Sterling Hill

Mark Boyer

Varieties of red & green

Denis De Angelis

Shortwave Sunshine

Richard Keller

Franklin Neatos from a novice

Dr. Steven Kuitems

Franklin Delights

Fred Lubbers

Sphalerite from Franklin & Sterling Hill

Peter Mackey

Franklin Classics

Claude Poli

Shortwave Franklin Selection

DAYLIGHT EXHIBITS

Franklin Mineral Museum

Treasurers from the Academy of Natural Sciences of Philadelphia

Ron DeBlois

New Jersey Rocks Hidden In New Hampshire

Bob Hauck

Mining History

Dick & Elna Hauck

Picture Perfect

George Elling

Franklin Classics

John Kolic

Franklin & Sterling Classics

Dr. Steven Kuitems

Favorites of Franklin & Sterling

Ray Latawiec

Franklin & Sterling Hill Veins

Steve Sanford

Ore Body Science

*Buy A Souvenir
Of The Show's
Golden Anniversary*

*Buy a conversational piece, a paper weight, and a
memento of the
50th Franklin-Sterling Show.*

*It is a piece of the exploration limestone drill core,
estimated to be over 125 billion years old.*

*On the face of the core, a bas relief sculpture of a miner
and a descriptive label in gold.*

*On sale at the door at the School
and at the Mineral Museum*

The 51st Annual

F.O.M.S.

Banquet and Auction

SATURDAY, SEPTEMBER 29, 2007

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

Tickets: \$17.00 per ticket admits one to all-you-can-eat buffet
"American-Italian Style (BYOB)

Auction: Vandall King, Auctioneer

Location: Franklin Fire House
Buckwheat Road

MORTON HAHN INC.

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BAMBOO FLUTES & BOOKENDS
BUG IN A NUT LINE
MINERAL & FOSSIL EGGS
DINOSAUR PRODUCTS
KITS & CARDED ITEMS
INSECT & BUTTERFLY LINES
RINGS, NECKLACES & OTHER JEWELRY
PAKISTAN POTTERY
GEODES & CHILDRENS ITEMS
110 + TYPES TUMBLED STONES

Franklin Mineral Museum

"Located in the Fluorescent Mineral Capital of the World"

32 Evans Street

Franklin, Sussex County, New Jersey

The Museum features RARE and UNUSUAL MINERALS, world famous FLUORESCENT MINERALS, FOSSILS, ARTIFACTS, a MINE REPLICA, and hands-on ROCK COLLECTING on a 3.5 acre mine tailing dump.

← Picnic area & Gift Shop. →

OPERATING SCHEDULE

March: Open weekends and by appointment

OPEN SEVEN DAYS

APRIL - NOVEMBER

M-F 10 - 4 SAT. 10-5 SUN 11-5

Nominal Admission Fees

Senior discounts, Group Rates

Book Early!

Tours and Collecting daily

SPECIAL EVENTS

May Appreciation Day

June Night Dig

September Gem Show

November Night Dig

check web page for dates

FranklinMineralMuseum.com

973-827-3481