

24th ANNUAL

# Franklin - Sterling

## MINERAL EXHIBIT

*The Fluorescent Mineral Capitol of the World*

Sat. & Sun., October 4th & 5th, 1980



SPONSORED BY

KIWANIS CLUB OF FRANKLIN

FRANKLIN, NEW JERSEY

PRICE 50¢

---

# MINERAL

# S H O W C A S E

FREE, EDUCATIONAL, NON-PROFIT  
MINERAL MUSEUM  
SPECIMENS FROM WORLD WIDE LOCATIONS



HAND WROUGHT SILVER JEWELRY  
BOOKS, RING CASTINGS, STONES



**WE BUY**  
**FRANKLIN MINERAL COLLECTIONS**

**LEE & JENNIE ARESON**

TEL. (914) 343-5051

21 IRWIN AVENUE

MIDDLETOWN, NEW YORK 10940

---

---

## MINING AT FRANKLIN AND STERLING HILL — SYNOPSIS

Clarence Haight, *former Mine Superintendent*

A mine is mysterious to many people because it cannot be seen in its entirety. If the Franklin mine was inverted and placed on the surface, it would require a building about a mile long, five hundred feet wide and one thousand feet at its peak to enclose it.

The "floors" are known as levels, and they are fifty or one hundred feet apart rather than the eight — ten feet of office buildings. There were eighteen levels at Franklin and twenty-five at Sterling Hill. The levels are connected by shafts containing the mining version of elevators for men and materials as well as water and air pipes, and phone and electric cables.

The hallways from the elevators to the working areas were tunnels, called drifts. Tram cars were frequently operated in the drifts to haul materials and men. The drifts are occasionally intersected by cross-cuts, which are tunnels extending from the footwall to the hanging wall to provide access, remove broken ore, etc. (If drifts were the avenues, cross-cuts were the streets.)

Ore bodies do not occur in rectangular blocks as buildings do. The outer limits of the ore bodies are usually at an angle with the horizontal. Standing within the ore body, the outer side of the body which would be above your head (has an acute angle with the horizontal) is the hanging wall; that which would be beneath your feet (forms an obtuse angle with the horizontal) is the footwall.

The method of mining is determined largely by the thickness and strength and attitude of the ore. At Sterling Hill, the long thin stringers of ore lend themselves to longitudinal stopes. Stopes are the working areas where the ore is being drilled, blasted and mined. At Sterling Hill, they usually project upward at an angle, following the veins of ore. When the ore is thick, as at Franklin, it is usually mined by transverse stopes. Franklin was first mined by tunnels at fifty foot levels. After consolidation of the various mining companies, engineering studies led to mining by transverse stopes. In essence, this comprised removing ore in sections seventeen feet wide running from the foot wall to the hanging wall. Between each stope, a pillar was left. Each pillar was about thirty feet wide and ran from footwall to hanging wall (as much as 300 feet) and to the top of the mine (up to one thousand feet high).

When all the ore was removed except for the pillars, a system of top slicing was introduced to utilize the ore in the pillars. This comprised taking ten foot deep slices from the pillar, starting at the top of the pillar, across from footwall to hanging wall. In essence, a narrow opening of full height was first cut through the center of the drift to the hanging wall. The opening was then opened up to full (thirty feet) width from the far end and worked back to the original opening. As the load on the supports became too heavy, (at about ten foot intervals), the supports for the cleared area were blasted and the load above caved to minimize the load on the working area.

Franklin ore averaged about a ton for each seven cubic feet. Some twenty million tons of ore were removed at Franklin. The ore averaged 20% zinc. At Sterling Hill, the ore averaged about 17% zinc, with the probability that it may be higher in the future due to operational changes.

---



The Kiwanis Club of Franklin takes pride in  
dedicating the 1980 Mineral Listing Booklet to

**JOHN L. (JACK) BAUM**

Curator of the Franklin Mineral Museum

---

## JOHN L. (JACK) BAUM

Jack Baum served as Resident and Exploration Geologist for the N. J. Zinc Company for 32 years. He joined the Franklin Mineral Museum Staff as Curator in 1966 and still serves in this capacity. His dedication and knowledge of Franklin Minerals, has made him nationally known and respected in his chosen field. To date, two minerals which he has identified, have been named in his honor – “Baumite” and “Johnbaumite”.

Due to Jack Baum’s knowledge and ability to recognize and assess Franklin Minerals, the Museum acquired many private collections which have become a part of vast assorted specimens at the museum.

Jack is a past President and an active member of the Franklin-Ogdensburg Mineralogical Society. He also served as chairman of the Statue Committee in cooperation with the Sussex County Arts Council. The result is the splendid statue of “The Miner” by Carry Boone Nelson, which has become a permanent part of the Museum Grounds.

Sussex County is also a benefactor of Jack Baum’s knowledge, as a geologist, as he serves as Vice Chairman of The Sussex County Municipal Utilities Authority.

The officers and members of The Franklin Kiwanis Club and The Franklin Mineral Museum express their sincere thanks and appreciation to Jack Baum for his dedication and contributions, which have made Franklin, “The Fluorescent Mineral Capital of The World.”



**HOMES — LOTS — ACREAGE**

**LAND INVESTMENT**

**ONE OF SUSSEX COUNTY'S LEADING REALTORS**



**100 ROUTE 23  
HAMBURG, N.J.**

**Tel.: 827-6500**

Edited from numerous sources by John L. Baum, Curator of the Franklin Mineral Museum, September 1980, following the nomenclature of the 1980 Glossary of Mineral Species, and with special thanks to Pete J. Dunn.

Acanthite	Cahnite	Flinkite
Acmite	Calcite	Fluoborite
Actinolite	Carminite	Fluorapatite
Adamite	Caryopilite	Fluorite
Adelite	Celestite	Forsterite
Akrochordite	Celsian	Franklinite
Albite	Cerussite	Friedelite
Allactite	Chabazite	
Allanite	Chalcocite	Gageite
Alleghanyite	Chalcophanite	Gahnite
Almandine	Chalcopyrite	Galena
Analcime	Chlorophoenicite	Ganomalite
Anatase	Chondrodite	Ganophyllite
Andradite	Chrysocolla	Gersdorffite
Anglesite	Chrysotile	Gerstmannite
Anhydrite	Clinochlore	Glaucochroite
Annabergite	Clinochrysotile	Goethite
Anorthite	Clinohedrite	Gold
Anorthoclase	Clinozoisite	Graphite
Anthophyllite	Conichalcite	Greenockite
Antigorite	Copper	Grossular
Apophyllite	Corundum	Groutite
Aragonite	Covellite	Grovesite
Arsenic	Cryptomelane	Guerinite
Arsenolite	Cummingtonite	Gypsum
Arsenopyrite	Cuprite	
Augite	Cuspidine	Halloysite
Aurichalcite		Hancockite
Austinite		Hardystonite
Azurite	Datolite	Hastingsite
	Desclozite	Hauckite
Bannisterite	Devilline	Hausmannite
Barite	Diopside	Hawleyite
Barylite	Djurleite	Hedenbergite
Barysilite	Dolomite	Hedyphane
Bassanite	Dravite	Hematite
Baumite	Dypingite	Hemimorphite
Bementite		Hendricksite
Berthierite	Edenite	Hetaerolite
Bianchite	Enstatite	Heulandite
Biotite	Epidote	Hodgkinsonite
Birnessite	Epsomite	Holdenite
Bixbyite	Erythrite	Hopeite
Bornite	Esperite	Hornblende
Brandtite	Ettringite	Huebnerite
Brochantite	Eveite	Hyalophane
Brookite		Hydrogrossular
Brucite	Fayalite	Hydrohetaerolite
Brunsvigite	Feitnechtite	Hydromica
Bustamite	Ferroaxinite	Hydrotalcite
		Hydrozincite

---

The  
*Spex/Gerstmann*  
COLLECTION



— Open To The Public —

GERSTMANN MINERAL MUSEUM  
14 Walsh Road  
Franklin, N. J. 07416  
(201) 827-3728

Illite	Pararammelsbergite	Stilbite
Ilmenite	Parasymplesite	Stilpnomelane
Jacobsite	Pargasite	Strontianite
Johannsenite	Pectolite	Sulfur
Johnbaumite	Pharmacosiderite	Sussexite
Kaolinite	Phlogopite	Svabite
Kentrolite	Phosphosiderite	Synadelphite
Kolicite	Picropharmacolite	Talc
Koettigite	Pimelite	Tennantite
Kraisslite	Powellite	Tenorite
Kutnohorite	Prehnite	Tephroite
Larsenite	Psilomelane	Thomsonite
Lawsonbauerite	Pumpellyite	Thorite
Lead	Pyrite	Tilasite
Legrandite	Pyroaurite	Titanite
Leucophoenicite	Pyrochroite	Tiroadite
Linarite	Pyrolusite	Todorokite
Loellingite	Pyromorphite	Torreyite
Loseyite	Pyrophyllite	Tremolite
Magnetite	Pyroxmangite	Uraninite
Magnesium-chlorophoenicite	Pyrrhotite	Uranophane
Magnesianriebeckite	Quartz	Uvarovite
Magnussonite	Rammelsbergite	Uvite
Malachite	Realgar	Vesuvianite
Manganaxinite	Retzian	Willemite
Manganberzeliite	Rhodochrosite	Wollastonite
Manganite	Rhodonite	Woodruffite
Manganosite	Richterite	Wurtzite
Manganpyrosomalite	Riebeckite	Xonotlite
Marcasite	Roebingite	Yeatmanite
Margarite	Romeite	Zinalsite
Margarosanite	Rosasite	Zincite
Marsturite	Roweite	Zircon
Mcgovernite	Rutile	Zoisite
Melanterite	Sarkinite	Total = 281 Species.
Microcline	Sauconite	
Millerite	Scapolite	
Mimetite	Schallerite	
Molybdenite	Scheelite	
Mooreite	Scorodite	
Monohydrocalcite	Sepiolite	
Muscovite	Serpierite	
Nasonite	Siderite	
Natrolite	Sillimanite	
Neotocite	Silver	
Nickeline	Skutterudite	
Nickel-skutterudite	Smithsonite	
Nontronite	Sonolite	
Norbergite	Spessartine	
Orthoclase	Sphalerite	
	Spinel	
	Sterlinghillite	
	Stibnite	

---

**THANKS.  
AND...**

**WELCOME**

You've really gone out of your way to give the community the support it needs. And since we're part of the community, we'd just like to say thanks. And welcome. Welcome to New Jersey Bank.

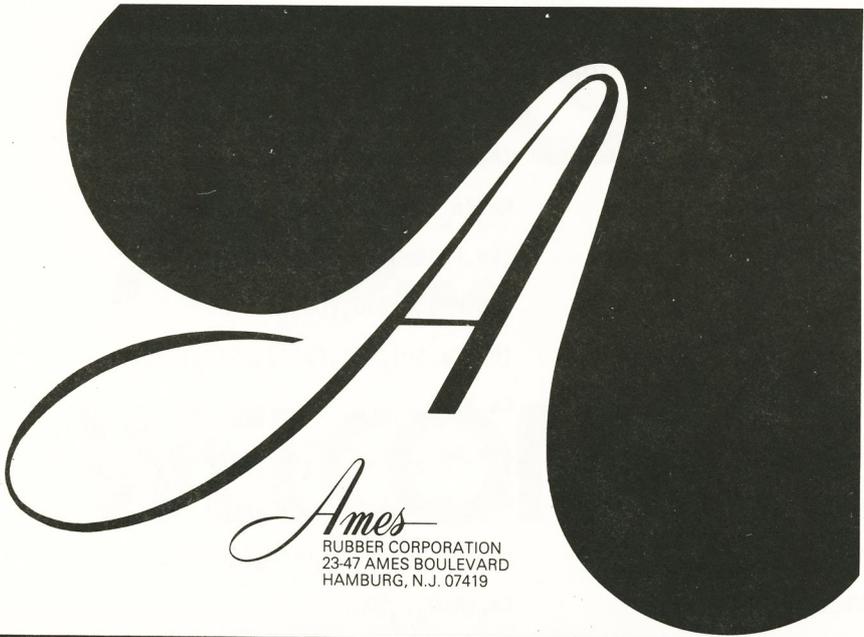


**Welcomes you.**

**Sparta Office - 48 Sparta Avenue**

## Minerals Unique to Franklin and Sterling Hill

BAUMITE	$(\text{Mg}, \text{Mn}, \text{Fe}, \text{Zn})_3(\text{Si}, \text{Al})_2\text{O}_5(\text{OH})_4$
CHLOROPHOENICITE	$\text{Mn}_3\text{Zn}_2(\text{OH})_6[\text{As}_{0.5}\text{H}_{0.5}(\text{O}, \text{OH})_3]_2$
ESPERITE	$(\text{Ca}, \text{Pb})\text{ZnSiO}_4$
GERSTMANNITE	$(\text{Mg}, \text{Mn})_2\text{ZnSiO}_4(\text{OH})_2$
HANCOCKITE	$(\text{Pb}, \text{Ca}, \text{Sr})_2(\text{Al}, \text{Fe}^{3+})_3(\text{SiO}_4)_3(\text{OH})$
HARDYSTONITE	$\text{Ca}_2\text{ZnSi}_2\text{O}_7$
HAUCKITE	$(\text{Mn}, \text{Mg})_{24}\text{Zn}_{18}\text{Fe}_3^{3+}(\text{SO}_4)_4(\text{CO}_3)_2(\text{OH})_{81} ?$
HENDRICKSITE	$\text{K}(\text{Zn}, \text{Mn})_3\text{Si}_3\text{AlO}_{10}(\text{OH})_2$
HOLDENITE	$(\text{Mn}, \text{Mg})_6\text{Zn}_3(\text{OH})_8(\text{AsO}_4)_2(\text{SiO}_4)$
JOHNBAUMITE	$\text{Ca}_5(\text{AsO}_4)_3(\text{OH})$
KOLICITE	$\text{Mn}_7\text{Zn}_4(\text{AsO}_4)_2(\text{SiO}_4)_2(\text{OH})_8$
KRAISSLITE	$\text{Fe}_2^{3+}\text{Mg}_4\text{Mn}_{44}\text{Zn}_6(\text{AsO}_3)_4(\text{AsO}_4)_6(\text{SiO}_4)_{12}(\text{OH})_{36}$
LAWSONBAUERITE	$(\text{Mn}, \text{Mg})_5\text{Zn}_2(\text{SO}_4)(\text{OH})_{12} \cdot 4\text{H}_2\text{O}$
LEUCOPHOENICITE	$\text{Mn}_7(\text{SiO}_4)_3(\text{OH})_2$
LOSEYITE	$(\text{Mn}, \text{Zn})_7(\text{CO}_3)_2(\text{OH})_{10}$
MAGNESIUM-CHLOROPHOENICITE	$(\text{Mg}, \text{Mn})_3\text{Zn}_2(\text{OH})_6[\text{As}_{0.5}\text{H}_{0.5}(\text{O}, \text{OH})_3]_2$
MARSTURITE	$\text{Mn}_3\text{CaNaHSi}_5\text{O}_{15}$
MCGOVERNITE	A complex $\text{Mg}, \text{Mn}, \text{Zn}, \text{Fe}^{3+}, \text{As}^{3+}, \text{As}^{5+}, \text{Si}(\text{OH})$ compound.
MOOREITE	$\text{Mn}_9\text{Zn}_4\text{Mg}_2(\text{SO}_4)_2(\text{OH})_{26} \cdot 8\text{H}_2\text{O}$
SCHALLERITE	$\text{Mn}_{16}\text{Si}_{12}\text{O}_{30}(\text{OH})_{14}[\text{As}_6^{3+}\text{O}_6(\text{OH})_3]$
STERLINGHILLITE	$\text{Mn}_3(\text{AsO}_4)_2 \cdot 4\text{H}_2\text{O}$
TORREYITE	$(\text{Mg}, \text{Mn})_5\text{Zn}_2(\text{SO}_4)(\text{OH})_{12} \cdot 4\text{H}_2\text{O}$
YEATMANITE	$[\text{Mn}_5\text{Sb}_2][\text{Mn}_2\text{Zn}_8\text{Si}_4]\text{O}_{28}$



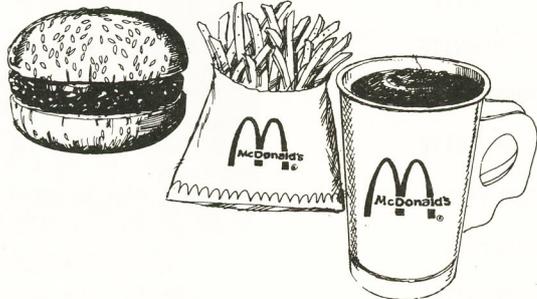
**THREE REASONS**

**TO EAT AT FRANKLIN**



**We're close by**

**From the Armory:  
1 mile North of Route 23**



**where your dollar gets a break everyday™**

## Fluorescent Minerals of The Franklin-Ogdensburg Areas, New Jersey Based on Observations as of 1980.

*Aragonite-----white to cream	Margarosanite-----blue-white
*Barite-----white, cream, blue-white, tan	Microcline-----blue, red
*Bustamite-----red	Mimetite-----orange, cream
Cahnite-----cream	Monohydrocalcite----green
Calcite-----red, cream, peach, tan, blue	Norbergite-----yellow
*Celestite-----cream	Pectolite-----orange
*Cerussite-----yellow, cream	Phlogopite-----tellow-tan
Chondrodite-----yellow	Picropharmacolite---cream
Clinohedrite-----orange	Powellite-----yellow
*Corundum-----red	Prehnite-----peach-orange
Diopside-----blue, cream	Scapolite-----red, cream, yellow, orange-yellow
*Dypingite-----blue	Scheelite-----yellow
Edenite-----green-blue	Smithsonite-----yellow, orange
*Epsomite-----cream	*Sphalerite-----orange, golden orange, yellow, blue
Esperite-----yellow	Svabite-----red-orange
*Ettringite-----cream	*Talc-----cream
Fluoborite-----cream	Thomsonite-----blue
Fluorapatite-----blue, lavender	Tilasite-----pink-orange
Fluorite-----green, blue-green, violet	Tremolite-----blue-cream
Gypsum-----blue	Uvite-----yellow
Hardystonite-----violet-blue	Willemite-----green, yellow, orange
*Hedyphane-----cream	Wollastonite-----orange, yellow
Hemimorphite-----white	Xonotlite-----blue
*Hodgkinsonite-----red	*Zincite-----yellow
Hyalophane-----red	Zircon-----yellow-orange
Hydrozincite-----blue	
Johnbaumite-----red-orange	
Manganaxinite-----red	
Margarite-----blue	

\* - Best under long-wave ultraviolet. All others best under short-wave.

**JOIN  
KIWANIS**

*write:*

**Membership Committee  
FRANKLIN KIWANIS  
BOX 76  
FRANKLIN, N.J.**



---

## **MINERAL DEALERS ATTENDING THE 1980 FRANKLIN-STERLING MINERAL SHOW**

1. MINERAL SHOWCASE, 21 Irwin Ave., Middletown, N. Y. 10940
- 2.
3. FACET TOOL CO., 3333 5th St., Oceanside, N. Y. 11572
4. MERKERS MINERALS, 416 Bowen St., Dayton, Ohio 45410
5. GILMAN'S AT THE CAVE, Box 103, Hellertown, Pa. 18055
6. HORN MINERALS, 263 No. Country Road, Smithtown, N. Y. 11787
7. MINERAL & NEEDLE CRAFT CREATIONS, 3420 Harold St., Oceanside, N. Y. 11572
8. THE SILVER PICK, 1682 St. Johns Ave., Merrick, N. Y. 11566
9. EXCALIBUR MINERAL CO., 7 Grover Road, Dover, N. J. 07801
10. AKE ANDERSON, 31 Prospect Street, Huntington, N. Y. 11743
11. JIM'S GEMS, 733 Route 23, Wayne, N. J. 07470
12. CAROUSEL GEMS & MINERALS, 132 So. York Rd., Hatboro, Pa. 19040
13. RENA SCHMIDT, P.O. Box 634, Westfield, N. J. 07090
14. THE ASSORTMENT, 122 Wilbur Blvd., Poughkeepsie, N. Y. 12603
15. THE GEMMERY, R.D. 3, Box 397, Sussex, N. J. 07461
16. SCHMITZ LAPIDARY, 625 Route 23, Pompton Plains, N. J. 07444
17. MARTIN'S MINERALS, P.O. Box 15272, Tampa, Fla. 33684
18. THE LESNICKS, 1454 Odell St., Wantagh, N. Y. 11793
19. HOWARD MINERALS, P.O. Box 56, Vander Veer Sta., Brooklyn, N.Y. 11210
20. ROBERTS MINERALS, P.O. Box 1267, Twain Harte, California 95383
21. RAINBOW GEMCRAFT, 125-11 103rd Ave., Richmond Hill, N. Y. 11419

**FRANKLIN-STERLING HILL MINERAL SHOW**  
 KIWANIS CLUB OF FRANKLIN  
 National Guard Armory  
 Franklin, New Jersey

MAIN ENTRANCE

F.O.M.S.

EXHIBITS

LOBBY

Toilet

Mens Toilet

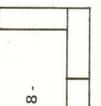
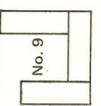
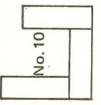
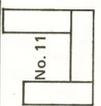
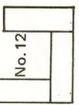
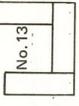
DEMONSTRATION ROOM

CAFETERIA

Kitchen

BUS PICK-UPS

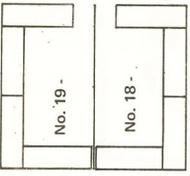
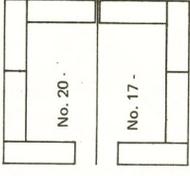
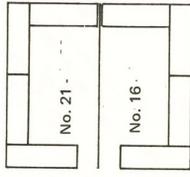
UNLOADING AREA



By Number

DEALER

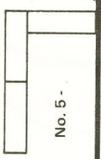
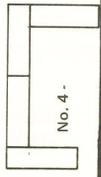
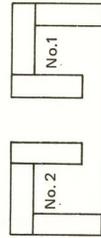
Booth Location



By Number

FLOOR

Booth Location



No. 14

No. 15

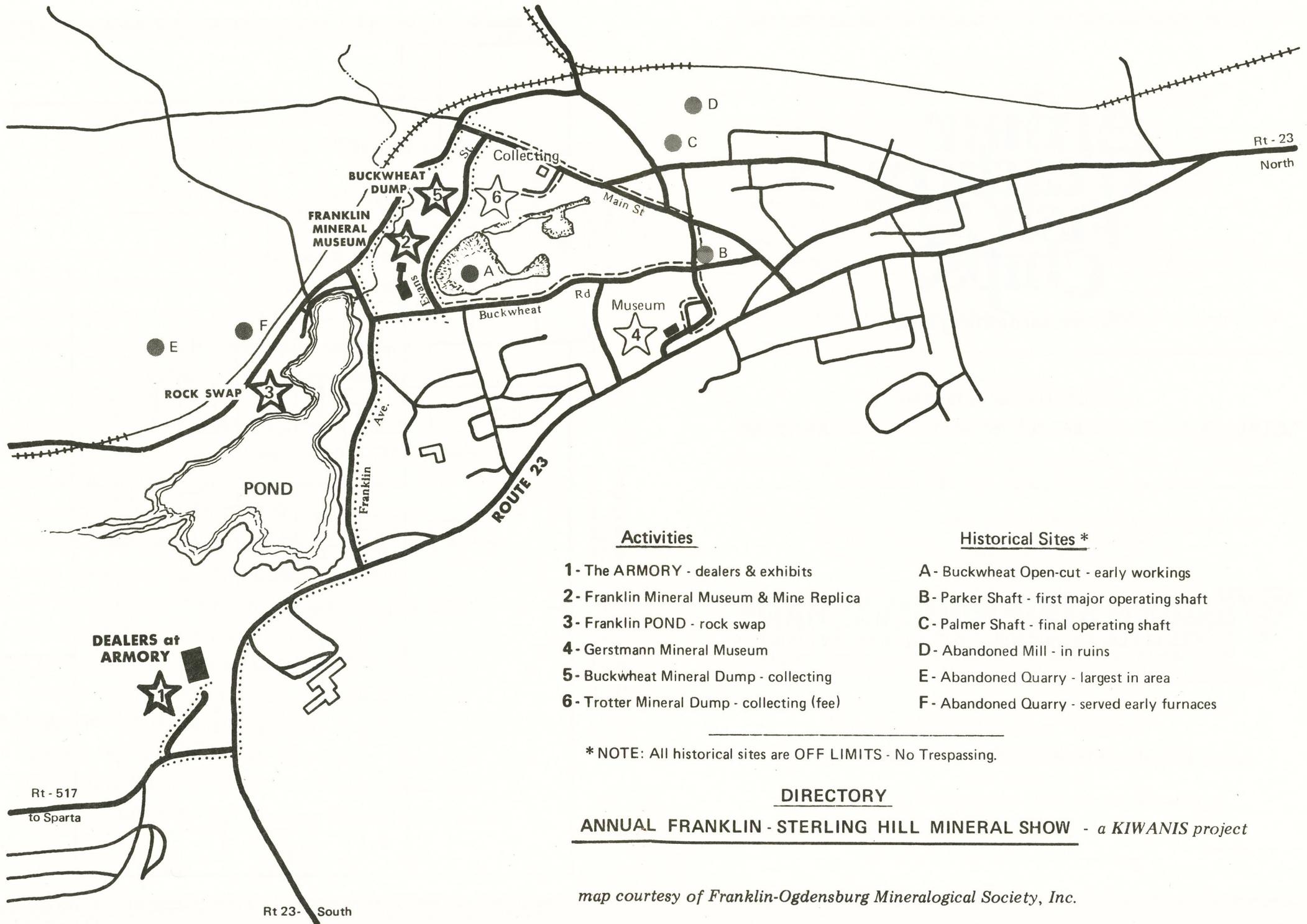
No. 1

No. 3

No. 4

No. 5





**Activities**

- 1- The ARMORY - dealers & exhibits
- 2- Franklin Mineral Museum & Mine Replica
- 3- Franklin POND - rock swap
- 4- Gerstmann Mineral Museum
- 5- Buckwheat Mineral Dump - collecting
- 6- Trotter Mineral Dump - collecting (fee)

**Historical Sites \***

- A- Buckwheat Open-cut - early workings
- B- Parker Shaft - first major operating shaft
- C- Palmer Shaft - final operating shaft
- D- Abandoned Mill - in ruins
- E- Abandoned Quarry - largest in area
- F- Abandoned Quarry - served early furnaces

\* NOTE: All historical sites are OFF LIMITS - No Trespassing.

**DIRECTORY**

**ANNUAL FRANKLIN - STERLING HILL MINERAL SHOW - a KIWANIS project**

map courtesy of Franklin-Ogdensburg Mineralogical Society, Inc.

---

# Arthur Treacher's Fish & Chips®

© Copyright 1977 by Arthur Treacher's

Fish & Chips, Inc. All Rights Reserved.

**We are something else.™**

Open Daily 11:00 AM to 10:00 PM

ROUTE 23

FRANKLIN, N. J.

827-7755

---



**GARDEN STATE NATIONAL BANK**

OFFICES IN BERGEN, HUDSON, SUSSEX & WARREN COUNTIES  
ACCOUNTS INSURED UP TO \$40,000 BY THE FEDERAL DEPOSIT INSURANCE CORPORATION

**TRY US FOR ATTITUDE & SERVICE**

---

## EXHIBITORS

### 24th Annual Franklin — Sterling Hill Mineral Show

*American Museum of Natural History*

John L. Baum

John Cianciulli

Joseph Cilen

*Franklin Mineral Museum*

*Gerstmann Mineral Museum*

Richard Hauck

James Kaufmann

John Kolic

*Paterson Museum*

*Rutgers University*

John E. Sebastian

Al Smith

Jeff Smith

*Smithsonian Institution*

Wilfred R. Welsh

---

*Exhibits courtesy of the Franklin-Ogdensburg Mineralogical Society, Inc.*

---

## SPEAKER PROGRAM — 1980

Saturday · October 4, 1980 · Kraissl Hall · Franklin Mineral Museum

- 10:30 a.m. R. William Selden — *Rutgers University, New Brunswick, N.J.*  
“160 Years of Mineralogy at Rutgers University”
- 1:00 p.m. Pete J. Dunn — *Smithsonian Institution, Washington, D.C.*  
Richard Hauck — *Collector, Bloomfield, N.J.*  
“Lectures are Fun with Hauck and Dunn”
- 2:30 p.m. Robert W. Jones — *Author / Educator, Scottsdale, Arizona*  
“ZINC — Franklin in Perspective”

---

Sunday · October 5, 1980 · Kraissl Hall · Franklin Mineral Museum

- 11:00 a.m. Thomas A. Peters — *Paterson Museum, Paterson, N.J.*  
“Rare and Unusual Minerals of New Jersey”
- 2:30 p.m. Joseph J. Peters — *American Museum of Natural History,*  
*New York, N.Y.*  
“History of Collections at the American Museum of  
Natural History”

---

*Speakers courtesy of the Franklin-Ogdensburg Mineralogical Society, Inc.*

---

COMPLIMENTS

**ACKERSON PUMP CO.**

BIG SPRING ROAD - FRANKLIN, N. J. 07416

827-6088

827-7327

NICK ZIPCO, Manager

**TROTTER MINERAL DUMP**

Open 7 Days A Week — Year Round

MAIN STREET

FRANKLIN, N. J.



**FRANKLIN-OGDENSBURG  
MINERALOGICAL SOCIETY, INC.**

BOX 146 — FRANKLIN, NEW JERSEY 07416

*F.O.M.S. Notes*

FIELD TRIPS  
LECTURES  
PUBLICATIONS  
STUDY GROUPS

*Post Table Palache Papers  
The Picking Sterling Hill Report  
The Research Professional Paper 180  
In Retrospect - History*

JOIN US - Individual Membership \$7.00, Family Membership \$10.00

Name .....

Address ..... Tel. No. ....

..... Zip Code .....

VISIT OUR REGISTRATION BOOTH AT THE ARMORY



# **National Community Bank** of New Jersey

Member F.D.I.C.

---

THANKS TO OUR CHILDREN THAT MADE

## **FACET TOOL CO.**

OCEANSIDE, NEW YORK

WHAT IT IS TODAY.

SANDRA — Mechanical Engineer  
Cornell University

LEONA — Graduate Gemologist  
Gemologist Institute of America

ROBERT — Oceanographer  
University of Michigan



**THE FONE BOOTH**  
**ROUTE 23**  
**FRANKLIN, N. J.**  
**827-2090**

<b>OPEN 7 DAYS</b>	<b>PRIME RIBS SPECIAL</b> <b>6.95</b> <b>THURS., FRI., SAT. &amp; SUN</b> Includes salad, baked potato & a loaf of fresh bread. Our Regular Menu Includes Roast Duck, Shrimp Scampi Lobster Tails And More	<b>MAJOR CREDITS</b>
	<b>A Unique Family Restaurant</b>	
<b>THURS. &amp; SUN. EVE. IN THE LOUNGE</b> <b>PAUL LARSON</b> OLDIES BUT GOODIES SOUNDS OF <b>JOHNNY CASH</b> <b>ELVIS PRESLEY</b> <b>JAY BLACK</b> <b>DION</b>	Kitchen Open Late Every Night  Diet Platters Served Daily	<b>COUNTRY WESTERN</b> STARRING <b>PAUL MARTIN</b> AND THE "STRING DUSTERS" <b>FRI. &amp; SAT</b> <b>EVENINGS</b> <b>IN THE EXTENSION ROOM</b>

**GENERAL INSURANCE**

**Harry E. Watt Agency**

**2 ROWE PLACE, FRANKLIN, N.J. 07416**  
**827-9080**

*Agents For*

**SELECTED RISK INS. CO. • HARTFORD INSURANCE CO.**

**WM. D. SCOTT**  
**MARIE J. SCOTT**

---

Phone: 827-9980

Doug Agne, Prop.

## **OGDENSBURG EXXON SERVICENTER**

TUNE UP & ELECTRICAL SPECIALISTS — BRAKE & FRONT END WORK  
MAJOR & MINOR REPAIRS — AIR CONDITIONER SERVICE

13 MAIN STREET

OGDENSBURG, N. J. 07439

---

Phone 827-3708



## **DALE'S MUSIC LOUNGE**

Luncheon Daily — Dinners Nightly  
Entertainment Weekends

ROUTE #23

HAMBURG, N. J.

---

(201) 827-4817

## **GREENE'S SWEET SHOP**

Platters - Sandwiches  
Full Deli Luncheonette

Open 7 Days

334 MAIN STREET

OGDENSBURG, N. J.

---

## **ACCURATE FORMING DIVISION**

***tyco*** LABORATORIES, INC.

HAMBURG, NEW JERSEY 07419

---

---

(201) 875-7524

Open Daily: 11:30 A.M.

ENJOY YOURSELF  
**THE COUNTRY MEADOWS**  
RESTAURANT AND COCKTAIL LOUNGE  
MAX SMULEWICZ, Prop.

ROUTE 23

(Between Hamburg & Sussex)

HAMBURG, N. J. 07419

---

827-9141



390 RUTHERFORD AVE.

FRANKLIN, N. J.

---

(201) 383-3714

"Ideas From The Edge of Your Imagination"

KOHLER PLUMBING FIXTURES — CAN BE SEEN & TRIED AT:

**RICHARD "BATH CENTER" SHOWROOM**

Mon.-Fri. 10 A.M.-2 P.M. Sat. 9:30 A.M.-Noon or By Appointment  
at Your Convenience

108 SPARTA AVENUE

NEWTON, N. J. 07860

---

729-4693

**THE DARKROOM**

Commercial Personal Collections

Professional Photography

66 WOODPORT ROAD

SPARTA, N. J. 07871

---

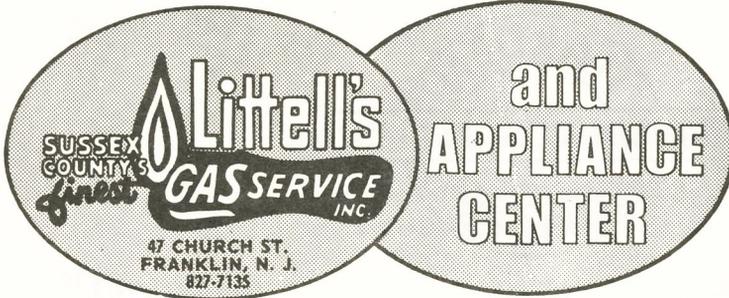
827-9195

## HAMBURG PHARMACY

S. L. PHARMACY, INC. — STEPHEN BERGER, R.P.

ROUTE 23

HAMBURG, N. J. 07419



Free Estimates on  
Home Heating and  
Gas Air Conditioning

47 CHURCH STREET  
FRANKLIN, N. J.

(201) 827-7135

## RAINBOW GEMCRAFT

BEST QUALITY:      GEM ROUGH      FINISHED GEMSTONES  
 BETTER JEWELRY      MINERAL SPECIMENS

At Your Service at the Franklin Show, and at:

Pikesville, Md. .... October 25-26, 1980  
 New Hyde Park, L.I., N.Y. .... November 8-9, 1980  
 Hempstead, N.Y. .... March 7-8, 1980

BETTY & ERNIE NAPLES

RICHMOND HILL, N.Y.

Phone (201) 827-3330

Lic. No. 2530

## C. E. CASE

PLUMBING & HEATING

44 KENNEDY AVENUE

OGDENSBURG, N. J.

---

## **GILMAN'S**

"AT THE CAVE"

Box 103

Hellertown, Pa. 18055

YOUR COMPLETE LAPIDARY SUPPLY HOUSE

Phone 215/838-8767

Open everyday — 9 A.M. to 8 P.M.

---

Tel. 827-7670

## **HAMBURG HARDWARE CO.**

HARDWARE—ELECTRICAL SUPPLIES

PLUMBING SUPPLIES—DE VOE PAINT

*Complete Line of Wood Burning Stoves*

1 MAIN STREET

HAMBURG, N. J.

---

*Largest variety of Fluorescent Minerals available — U-V Lights — Crystal Specimens & Cutting Material — Lapidary & Tumbling Machines & Supplies — Cut Stones & Silver Findings — Rockhound Tools & Books*

SHOP BY MAIL — Send 75¢ (Refundable) for CATALOG

## **HORN MINERALS**

263 F NORTH COUNTRY ROAD (ROUTE 25A)

SMITHTOWN, L.I., NEW YORK 11787

(516) 724-8855

---

## **MARTINS MINERALS**

SHOW SPECIAL

Facted Cubic Zirconium 5.50 per carat

Cubic Zirconium Rough .45 per carat

P.O. BOX 15272

TAMPA, FLORIDA 33684

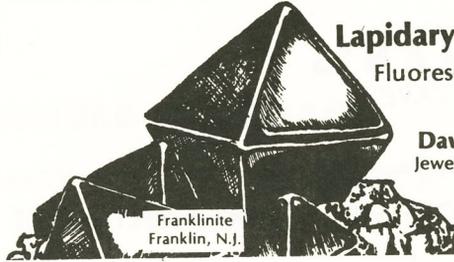
---

---

# JIM'S GEMS

**Minerals, Fossils**

The Finest  
Handcrafted  
Stone Creations



**Lapidary Supplies**

Fluorescent Display

**Dave Woods**  
Jewelry Designer  
Collector

(201) 628-0277

733 Rt. 23, Wayne, N.J. 07470

---

# DUNKIN' DONUTS®

**HAVE COFFEE &  
DONUTS WITH US —  
1 Mile North on Route  
23, Franklin, N. J.**

---



ROUTE 23 FRANKLIN, N. J.

P. O. Box H

Franklin, N. J. 07416

827-7000

---

# Everything for your tomorrows



The MORRIS COUNTY  
**Savings Bank**  
Member Federal Deposit Insurance Corporation

Sparta Township Office  
41 Sparta Avenue — Sparta  
729-6104

---

---

Compliments of . . .

**WEISS' CLOTHING STORE**

Levi, Wrangler, Lee, Keds, Devon,  
Caper-Mates, Ship'n-Shore & Billy The Kid

FRANKLIN, N. J.

---

Compliments of . . .

**FRANKLIN DINER**

JACK and JOYCE CARROLL, Props.

ROUTE 23

FRANKLIN, N. J.

---

Phone 827-9790

**BARNEY'S, INC.**

"EVERYTHING FOR THE HOME HANDY MAN  
AND FOR BUSINESS MAINTENANCE NEEDS"  
PAINT — HARDWARE — SEEDS & FEEDS

ROUTE 23

FRANKLIN, N. J. 07416

---

Phone 827-9966

Bill Henry, Dealer

**LAKEVIEW EXXON**

ELECTRONIC FRONT END ALIGNMENTS — COMPLETE BRAKE SERVICE  
Diagnostic Engine Analization — Your Complete Car Care Center

84 ROUTE 23

FRANKLIN, N. J.

---



## THE SILVER PICK

Karl R. Vossbrinck  
FR 8-9051

1682 St. Johns Ave.  
N. Merrick, New York 11566

---

## WOODCRAFT by MR

— CUSTOMIZED CABINERY —  
Specialize in Pine  
KITCHENS — WALL UNITS

9 EDISON AVENUE

OGDENSBURG, N. J. 07439

---

## SUSSEX SALES & SERVICE

Authorized Dealer for  
Products of Ford Motor Company  
FORD — MERCURY — FORD TRUCKS

(201) 875-3640

ROUTE 23, SUSSEX, NEW JERSEY

---



Beekeeping Supplies

## THOMAS J. WEBB

Apiaries in North and Central Jersey

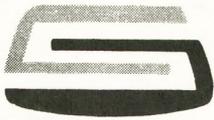
R.D. 4 — BOX 391      SUSSEX, N. J. 07461

(201) 875-3889

---

---

# The SUSSEX COUNTY STATE BANK



*"The BANK With the Personal Touch"*

**399 ROUTE 23  
FRANKLIN, N. J. 07416  
(201) 827-2404**

**D & S SHOPPING CENTER  
ROUTE 515  
VERNON, N. J. 07462  
(201) 764-6175**

---

## HOURS

---

### LOBBY

Mon. 9 AM - 3 PM  
Tues. 9 AM - 3 PM  
Wed. 9 AM - 3 PM  
Thur. 9 AM - 3 PM  
Fri. 9 AM - 3 PM 6 PM - 8 PM  
Sat. 9 AM - 12 Noon

### DRIVE-IN

8 AM - 6 PM  
8 AM - 8 PM  
9 AM - 3 PM

Member Federal Deposit Insurance Corporation

---



PHOTO BY ERNIE DUCK

## THE FRANKLIN MINERAL MUSEUM and MINE REPLICA

SEE THE WORLD FAMOUS FRANKLIN MINERALS, MINING HISTORY, FLUORESCENT DISPLAY AND A TRUE REPLICA OF THE MINING OPERATIONS HUNDREDS OF FEET BELOW THE SURFACE OF THE EARTH.

SALES AREA: —Mineral Lights, Specimens,  
Souvenirs and jewelry available.

### NEW OPERATING SCHEDULE

SEASON: APRIL 15th to NOVEMBER 15th

Closed Mondays, Tuesdays, Easter and Thanksgiving.

APRIL, MAY, JUNE, SEPTEMBER, OCTOBER and NOVEMBER.

Friday and Saturday 10:00 to 4:00 and Sunday 12:30 to 4:30.

Open Tuesday, Wednesday and Thursdays by Reservations Only.

JULY and AUGUST

Wednesday thru Saturday 10:00 to 4:00, Sunday 12:30 to 4:30.



*This is a Franklin Kiwanis sponsored,  
non-profit, Community project.*

*Gifts and donations to the Museum are tax deductible.*

**6B Evans Street, Franklin, N. J. 07416  
(201) 827-3481**