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

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.”
Telridge Associates

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.

<table>
<thead>
<tr>
<th>Mineral Name</th>
<th>Mineral Name</th>
<th>Mineral Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acanthite</td>
<td>Calcite</td>
<td>Flinkite</td>
</tr>
<tr>
<td>Acmite</td>
<td>Carminite</td>
<td>Fluoborite</td>
</tr>
<tr>
<td>Actinolite</td>
<td>Caryopilite</td>
<td>Fluorapatite</td>
</tr>
<tr>
<td>Adamite</td>
<td>Celestite</td>
<td>Fluorite</td>
</tr>
<tr>
<td>Adelite</td>
<td>Celsian</td>
<td>Forsterite</td>
</tr>
<tr>
<td>Akrochordite</td>
<td>Cerussite</td>
<td>Franklinite</td>
</tr>
<tr>
<td>Albite</td>
<td>Chabazite</td>
<td>Friedelite</td>
</tr>
<tr>
<td>Allactite</td>
<td>Chalcocite</td>
<td>Gageite</td>
</tr>
<tr>
<td>Allanite</td>
<td>Chalcophanite</td>
<td>Gahnite</td>
</tr>
<tr>
<td>Alleghanyite</td>
<td>Chalcopyrite</td>
<td>Galena</td>
</tr>
<tr>
<td>Almandine</td>
<td>Chlorophoenicite</td>
<td>Ganomalite</td>
</tr>
<tr>
<td>Analcime</td>
<td>Chondrodite</td>
<td>Ganophyllite</td>
</tr>
<tr>
<td>Anatase</td>
<td>Chrysocolla</td>
<td>Gersdorffite</td>
</tr>
<tr>
<td>Andradite</td>
<td>Chrysothile</td>
<td>Gerstmannite</td>
</tr>
<tr>
<td>Anglesite</td>
<td>Clinochlore</td>
<td>Glaucocrohite</td>
</tr>
<tr>
<td>Anhydrite</td>
<td>Clinochryso</td>
<td>Goethite</td>
</tr>
<tr>
<td>Annabergite</td>
<td>Melite</td>
<td>Gold</td>
</tr>
<tr>
<td>Anorthite</td>
<td>Clinohedrite</td>
<td>Graphite</td>
</tr>
<tr>
<td>Anorthoclase</td>
<td>Clistite</td>
<td>Greenockite</td>
</tr>
<tr>
<td>Anthophyllite</td>
<td>Conichalcite</td>
<td>Grossular</td>
</tr>
<tr>
<td>Antigorite</td>
<td>Corundum</td>
<td>Groatite</td>
</tr>
<tr>
<td>Apophyllite</td>
<td>Covellite</td>
<td>Grovesite</td>
</tr>
<tr>
<td>Aragonite</td>
<td>Cryptomelane</td>
<td>Guerinite</td>
</tr>
<tr>
<td>Arsenic</td>
<td>Cummingtonite</td>
<td>Gypsum</td>
</tr>
<tr>
<td>Arsenolite</td>
<td>Cuprite</td>
<td>Halloysite</td>
</tr>
<tr>
<td>Arsenopyrite</td>
<td>Cuspidine</td>
<td>Hancockite</td>
</tr>
<tr>
<td>Augite</td>
<td>Datolite</td>
<td>Hardystonite</td>
</tr>
<tr>
<td>Aurichalcite</td>
<td>Descliozite</td>
<td>Hastingsite</td>
</tr>
<tr>
<td>Austinite</td>
<td>Devilline</td>
<td>Hauckite</td>
</tr>
<tr>
<td>Azurite</td>
<td>Diopside</td>
<td>Hausmannite</td>
</tr>
<tr>
<td>Bannisterite</td>
<td>Djurleite</td>
<td>Hawleyite</td>
</tr>
<tr>
<td>Barite</td>
<td>Dolomite</td>
<td>Hedenbergite</td>
</tr>
<tr>
<td>Barylite</td>
<td>Dravite</td>
<td>Hedyphane</td>
</tr>
<tr>
<td>Barysilite</td>
<td>Dypingite</td>
<td>Hematite</td>
</tr>
<tr>
<td>Bassanite</td>
<td>Edenite</td>
<td>Hemimorphite</td>
</tr>
<tr>
<td>Baumite</td>
<td>Enstatite</td>
<td>Hendricksite</td>
</tr>
<tr>
<td>Bementite</td>
<td>Epidote</td>
<td>Hetaerolite</td>
</tr>
<tr>
<td>Berthierite</td>
<td>Epsomite</td>
<td>Heulandite</td>
</tr>
<tr>
<td>Bianchite</td>
<td>Erythrite</td>
<td>Hodgkinsonite</td>
</tr>
<tr>
<td>Biotite</td>
<td>Esperite</td>
<td>Holdenite</td>
</tr>
<tr>
<td>Birnessite</td>
<td>Ettringite</td>
<td>Hopeite</td>
</tr>
<tr>
<td>Bixbyte</td>
<td>Eveite</td>
<td>Hornblende</td>
</tr>
<tr>
<td>Bornite</td>
<td>Fayalite</td>
<td>Huebnerite</td>
</tr>
<tr>
<td>Brandtite</td>
<td>Feitnecite</td>
<td>Hyalophane</td>
</tr>
<tr>
<td>Brochantite</td>
<td>Ferroaxinite</td>
<td>Hydrogrossular</td>
</tr>
<tr>
<td>Brookite</td>
<td>Fiealite</td>
<td>Hydrohetaerolite</td>
</tr>
<tr>
<td>Brucite</td>
<td>Feiituecite</td>
<td>Hydroxalic</td>
</tr>
<tr>
<td>Brunsvigite</td>
<td>Ferroaxinite</td>
<td>Hydrozincite</td>
</tr>
</tbody>
</table>
The
Spex/Gerstmann
COLLECTION

— Open To The Public —

GERSTMANN MINERAL MUSEUM
14 Walsh Road
Franklin, N. J. 07416
(201) 827-3728
Illite
Ilmenite
Jacobsite
Johannsenite
Johnbaumite
Kaolinite
Kentrolite
Kolicite
Koettigite
Kraisslite
Kutnohorite
Larsenite
Lawsonbauerite
Lead
Legrandite
Leucophoenicite
Linarite
Loellingite
Loseyite
Magnetite
Magnesium-chlorophoenicite
Magnesioriebeckite
Magnussonite
Malachite
Manganaxinite
Manganberzeliite
Manganite
Manganosite
Manganpyrosmalite
Marcasite
Margarite
Margarosanite
Marsturite
Mcgovernite
Melanterite
Microcline
Millerite
Mimetite
Molybdenite
Mooreite
Monohydrocalcite
Muscovite
Nasonite
Natrolite
Neotocite
Nickel
Nickel-sku?terudite
Nontronite
Norbergite
Orthoclase

Pararammelsbergite
Parasymphlesite
Pargasite
Pectolite
Pharmacosiderite
Phlogopite
Phosphosiderite
Picropharmacolite
Pimelite
Powellite
Prehnite
Psilomelane
Pumpellyite
Pyrite
Pyroaurite
Pyrochroite
Pyrolusite
Pyromorphite
Pyrophylite
Pyroxmangite
Pyrrhotite
Quartz
Rammelsbergite
Realgar
Retzian
Rhodochrosite
Rhodonite
Richterite
Riebeckite
Roeblingite
Romeite
Rosasite
Roweite
Rutile
Sarkinite
Sauconite
Scapolite
Schallerite
Scheelite
Scorodite
Sepiolite
Serpierite
Siderite
Silimanite
Silver
Skutterudite
Smithsonite
Sonolite
Spessartine
Spalterite
Spinel
Sterlinghillite
Stibnite

Stilbite
Stilpnomelane
Strontianite
Sulfur
Sussexite
Svabite
Synadelphite
Talc
Tennantite
Tenorite
Tephrinite
Thomsonite
Thorite
Tilasite
Titanite
Tirodite
Todorokite
Torr eyite
Tremolite
Uraninite
Uranophane
Uvarovite
Uvite
Vesuvianite
Willemite
Wollastonite
Woodruffite
Wurtzite
Xonotlite
Yeatmanite
Zinalsite
Zincite
Zircon
Zoisite
Total = 281 Species.
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.

NEW
JERSEY
BANK

Welcomes you.

Sparta Office - 48 Sparta Avenue
## Minerals Unique to Franklin and Sterling Hill

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAUMITE</td>
<td>$(Mg,Mn,Fe,Zn)_3(Si,A1)_2O_5(OH)_4</td>
</tr>
<tr>
<td>CHLOROPHOENICITE</td>
<td>$Mn_3Zn_2(OH)<em>6[As</em>{0.5}H_{0.5}(0,OH)_3]_2$</td>
</tr>
<tr>
<td>ESPERITE</td>
<td>$(Ca,Pb)ZnSiO_4$</td>
</tr>
<tr>
<td>GERSTMANNITE</td>
<td>$(Mg,Mn)_2ZnSiO_4(OH)_2$</td>
</tr>
<tr>
<td>HANCOCKITE</td>
<td>$(Pb,Ca,Sr)_2(A1,Fe^{3+})_3(SiO_4)_3(OH)$</td>
</tr>
<tr>
<td>HARDYSTONITE</td>
<td>$Ca_2ZnSi_2O_7$</td>
</tr>
<tr>
<td>HAUCKITE</td>
<td>$(Mn,Mg)<em>{24}Zn</em>{18}Fe^{3+}(SO_4)_4(CO_3)_2(OH)_8$</td>
</tr>
<tr>
<td>HENDRICKSITE</td>
<td>$K(Zn,Mn)<em>3Si_3AlO</em>{10}(OH)_2$</td>
</tr>
<tr>
<td>HOLDENITE</td>
<td>$(Mn,Mg)_6Zn_3(OH)_8(AsO_4)_2(SiO_4)$</td>
</tr>
<tr>
<td>JOHNBAUMITE</td>
<td>$Ca_5(AsO_4)_3(OH)$</td>
</tr>
<tr>
<td>KOLICITE</td>
<td>$Mn_7Zn_4(AsO_4)_2(SiO_4)_2(OH)_8$</td>
</tr>
<tr>
<td>KRAISSLITE</td>
<td>$Fe^{3+}Mg_4Mn_{44}Zn_6(AsO_3)_4(AsO_4)_6(SiO_4)_12(OH)_36$</td>
</tr>
<tr>
<td>LAWSONBAUERITE</td>
<td>$(Mn,Mg)_5Zn_2(SO_4)(OH)_12.4H_2O</td>
</tr>
<tr>
<td>LEUCOPHOENICITE</td>
<td>$Mn_7(SiO_4)_3(OH)_2$</td>
</tr>
<tr>
<td>LOSEYITE</td>
<td>$(Mn,Zn)_7(CO_3)_2(OH)_10$</td>
</tr>
<tr>
<td>MAGNESIUM-CHLOROPHOENICITE</td>
<td>$(Mg,Mn)<em>3Zn_2(OH)<em>6[As</em>{0.5}H</em>{0.5}(0,OH)_3]_2$</td>
</tr>
<tr>
<td>MARSTURITE</td>
<td>$Mn_3CaNaHSi_5O_15$</td>
</tr>
<tr>
<td>MCGOVERNITE</td>
<td>A complex $Mg,Mn,Zn,Fe^{3+}As^{3+}As^{5+}Si(OH)$ compound.</td>
</tr>
<tr>
<td>MOOREITE</td>
<td>$Mn_9Zn_4Mg_2(SO_4)_2(OH)_26.8H_2O</td>
</tr>
<tr>
<td>SCHALLERITE</td>
<td>$Mn_{16}Si_{12}O_{30}(OH)<em>14(As</em>{6}O_{6}(OH)_3)$</td>
</tr>
<tr>
<td>STERLINGHILLITE</td>
<td>$Mn_3(AsO_4)_2.4H_2O$</td>
</tr>
<tr>
<td>TORREYITE</td>
<td>$(Mg,Mn)_5Zn_2(SO_4)(OH)_12.4H_2O</td>
</tr>
<tr>
<td>YEATMANITE</td>
<td>$[Mn_{5}Sb_2][Mn_2Zn_8Si_4]O_{28}$</td>
</tr>
</tbody>
</table>
THREE REASONS

TO EAT AT FRANKLIN

We're close by

From the Armory:
1 mile North or 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
*Barite----------white, cream, blue-white, tan
*Bustamite--------red
*Cahnite----------cream
*Calcite---------red, cream, peach, tan, blue
*Celestite--------cream
*Cerussite-------yellow, cream
*Chondrodite-----yellow
*Clinohedrite----orange
*Corundum--------red
*Diopside--------blue, cream
*Dypingite--------blue
*Edenite---------green-blue
*Epsomite--------cream
*Esperite--------yellow
*Ettringite--------cream
*Fluorborite------cream
*Fluorapatite-----blue, lavender
*Fluorite---------green, blue-green, violet
*Gypsum----------blue
*Hardystonite-----violet-blue
*Hedyphane--------cream
*Hemimorphite-----white
*Hodgkinsonite----red
*Hyalophane-------red
*Hydrozincite-----blue
*Johnbaumite------red-orange
*Manganaxinite-----red
*Margarite--------blue
*Margarosanite----blue-white
*Microcline--------blue, red
*Mimetite---------orange, cream
*Monohydrocalcite---green
*Norbergite--------yellow
*Pectolite---------orange
*Phlogopite--------yellow-tan
*Picroporpharmacolite---cream
*Powellite---------yellow
*Prehnite---------peach-orange
*Scapolite--------red, cream, yellow, orange-yellow
*Schreibersite-----yellow
*Smithsonite------yellow, orange
*Sphalerite--------orange, golden orange, yellow, blue
*Svabite----------red-orange
*Talc-------------cream
*Thomsonite-------blue
*Tilasite---------pink-orange
*Tremolite--------blue-cream
*Uvite------------yellow
*Willemite--------green, yellow, orange
*Wollastonite------orange, yellow
*Xenotlite--------blue
*Zincite----------yellow
*Zircon----------yellow-orange

- 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
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
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.
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
Sterling Professional Papers
In Retrospect - History

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

Name ................................................................. Tel. No. .................................................................
Address .............................................................. Zip Code ............................................................... 

VISIT OUR REGISTRATION BOOTH AT THE ARMORY

18

Scan courtesy of the Franklin-Ogdensburg Mineralogical Society, www.FOMSNJ.org
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
SPECIAL THANKS TO ALL WHO CONTRIBUTED TO THE SUCCESS OF THE 1980 MINERAL SHOW

MIKE and LUCILLE MANCUSSO

Congratulations on your 24th Show

Richard and Elna Hauck
8 ROWE PLACE, BLOOMFIELD, N. J.
(201) 743-1030
We Buy Old Books and Artifacts

Phone 827-6565

JOLLY PIZZA

PIZZA — HOAGIES — DINNERS
CALZONES — FRIED CHICKEN

VISIT THE JOLLY ROGER ROOM FOR BEER — WINE — COCKTAILS

CONVENIENT - ACROSS FROM THE ARMORY

ROUTE 23 & 517

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

PRIME RIBS SPECIAL
6.95
THURS., FRI., SAT. & SUN
Includes salad, baked potato & a loaf of fresh bread.
Our Regular Menu Includes Roast Duck, Shrimp Scampi,
Lobster Tails And More

A Unique Family Restaurant

THURS. & SUN. EVE. IN THE LOUNGE
PAUL LARSON
OLDIES BUT
GOODIES SOUNDS OF
JOHNNY CASH
ELVIS PRESLEY
JAY BLACK
DION

COUNTRY WESTERN
STARRING
PAUL MARTIN
AND THE "STRING DUSTERS"
FRI. & SAT EVENINGS IN THE EXTENSION ROOM

KITCHEN
Open Late Every Night

DIET
Platters Served Daily

PRIME RIBS SPECIAL
6.95
THURS., FRI., SAT. & SUN

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
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
ENJOY YOURSELF

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

ROUTE 23 (Between Hamburg & Sussex) HAMBURG, N. J. 07419

827-9141

HARDEN
BUILDING SUPPLIES

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
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 LAPIRARY 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

Franklinite
Franklin, N.J.

(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.

**HARDEN**
FUEL OIL CO.
ROUTE 23 FRANKLIN, N.J.
P.O. Box H
Franklin, N.J. 07416
827-7000

**Everything for your tomorrows**

MORRIS COUNTY SAVINGS BANK
Sparta Township Office
41 Sparta Avenue — Sparta
729-6104

26
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.
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

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

<table>
<thead>
<tr>
<th>LOBBY</th>
<th>DRIVE-IN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon. 9 AM - 3 PM</td>
<td>8 AM - 6 PM</td>
</tr>
<tr>
<td>Tues. 9 AM - 3 PM</td>
<td>8 AM - 6 PM</td>
</tr>
<tr>
<td>Wed. 9 AM - 3 PM</td>
<td>8 AM - 6 PM</td>
</tr>
<tr>
<td>Thur. 9 AM - 3 PM</td>
<td>8 AM - 6 PM</td>
</tr>
<tr>
<td>Fri. 9 AM - 3 PM</td>
<td>8 AM - 8 PM</td>
</tr>
<tr>
<td>6 PM - 8 PM</td>
<td>9 AM - 3 PM</td>
</tr>
<tr>
<td>Sat. 9 AM - 12 Noon</td>
<td></td>
</tr>
</tbody>
</table>

Member Federal Deposit Insurance Corporation
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

PHOTO BY ERNIE DUCK