25th Anniversary
Franklin-Sterling

MINERAL EXHIBIT

The Fluorescent Mineral Capitol of the World

Sat. & Sun., October 3rd & 4th, 1981

Sponsored by
KIWANIS CLUB OF FRANKLIN
FRANKLIN, NEW JERSEY

PRICE 50¢
MINERAL SHOWCASE

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

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BOOKS, RING CASTINGS, STONES

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FRANKLIN MINERAL COLLECTIONS

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MIDDLETOWN, NEW YORK 10940
TWENTY-FIVE YEARS and STILL A POPULAR EVENT

The Franklin Kiwanis Club celebrates the 25th Anniversary of the Franklin-Sterling Mineral Show this year. At the same time, the club is celebrating its 35th year as a Kiwanis organization. What has transpired in 25 years, is today the dreams and ideals of dedicated members, who wanted to memorialize Franklin minerals. Men, such as Ed Selems, Art Horr, Neil Cates, Bike Littell, Warren Walters, Manny Honig, Bob Meyer, Tom Webb — just to mention a few of the determined, dedicated men, who can look with pride today at their community accomplishments.

As with most organizations, an idea, especially a costly one, is never without objectors, but faith in Franklin Minerals was too strong over the opposition. Franklin Mines were depleted of its ore in September of 1954, and something would have to be done to preserve for future generations, the tremendous natural resource that was here in Franklin.

The first Mineral Show in October of 1956 was more dedication and faith, than the kind of a show you see today — China Closets and any other display cases were used to display the minerals, the structure what was then and still today is called the neighborhood house, was the property of the N.J. Zinc Co. In conjunction with the mineral display and with the cooperation of the N.J. Zinc Company, the Mine Replica was born, with the use of the same equipment that was used in the mines. The first mineral show proved so popular, the Kiwanis members began thinking big for the next year's show.

A larger building would be necessary for the show, and fortunately, charter member Alfred B. (Bike) Littell, who was State Senator at the time, was instrumental in having the State National Guard build its armory in Franklin, which was dedicated in October of 1956. The club was successful in obtaining permission to hold its show in the Armory, and has continued to use the Armory since. Over the years, it has proven to be an ideal location due to its size and close proximity to the Mineral Museum on Evans Street.

The big ambition of the Kiwanis members originally was to eventually erect a museum devoted to Franklin Zinc mining and exhibit the most fantastic minerals and fluorescents, at last count, 281 varieties and still growing according to Jack Baum, the museum Curator.

The Franklin Mineral Shows were so successful, the Kiwanis members had complete faith in future successes, and made definite plans for their museum. In the meantime, the N.J. Zinc Company donated the land and the abandoned hoist house on Evans Street, for the purpose of building a museum which would be adjacent to the existing Mine Replica. The two level Mine Replica was constructed by members of the Kiwanis club, under the direction of Art Horr. Compressed air drills ore carts, rails, scoops, beams, lamps and other equipment as seen in the replica, were formerly used for mining Franklin ores.

When the replica was opened to public tours, it was without a doubt, the most realistic display of a mining operation anywhere in the world. Here was not only the material and the exact equipment used in the mines, but two levels, to show the actual complete operation. Originally the floor contained actual pulverized fluorescent mineral and also contained the same toilet used underground, with scuttle and a roll of toilet paper. The entire display was so realistic, many visitors, after being in the replica for awhile, would ask the guide “How far underground are we?” The mine replica at that line also housed a large display of fluorescent minerals.

The Mineral Museum became a reality in October 1965, and the dedication was planned to coincide with the annual Mineral Show. It was a proud day for Kiwanis, as the club undertook the financial burden of the museum, which was originally estimated to cost approximately $30,000.00. It was not easy, getting a bank loan of $23,000.00, which was considered a risk to a service club by bankers. To accomplish this, the club had to form a corporation amongst its members. After a few rejections for the loan, the People’s National Bank of Sparta had faith in the Kiwanis Mineral Show and granted the loan. The balance of the money, a final total of $31,000.00, came from donations from Kiwanians, collectors, business people and the N.J. Zinc Co.

The planning and layout of the museum was given to John Baum, geologist for the Zinc Co., who also was appointed curator of the museum and still holds that position today. The original structure was 30 x 60 feet, which
The Mineral Show becomes a bee-hive of activity as the above photo indicates. Mineral exhibit cases are left, center of photo, with dealers surrounding the perimeter of the Armory.

contained the lobby and sales room, the large display room, office and laboratory for the preparation of the minerals for display, and the rest rooms. The museum was connected to the Hoist House Mine Replica by a tunnel.

Within a short time, it was realized the fluorescent display, in the mine replica, drew the most attention, and the space devoted to it was inadequate. Plans were made for a separate fluorescent display room. By this time, the success of the Annual Show and enthusiasm shown for the Mineral Museum by the public and educational institutions, an additional loan from the bank to finance this project was no problem. A 35 foot display room, featuring the largest single display of Franklin fluorescent minerals, was opened in October, 1967.

As the popularity of the museum grew, so did the size of the museum. Fred and Alice Kraissl saw the need for a lecture hall, and donated the entire funds required for the addition. Kraissl Hall was dedicated with appropriate ceremonies in May, 1976. Kraissl Hall also serves as a display room for Franklin specimens which are for sale.

The first president of the Franklin Mineral Museum was Ed Selems — the man who not only had faith in the future of the museum, but was an extremely hard worker, donated a tremendous amount of his time without financial compensation. It was a tremendous loss when Ed passed away in February of 1969 of a heart attack. He was succeeded by Bob Meyer as president, followed by Fred Kraissl, who served two separate terms, followed by Warren Walters. William Wurst is the present president.
Constructing the Mine Replica. Left foreground, Carroll Glynn; far left, Robert Meyer; center, Richard Dolsen; right background, Raul Provost, right foreground, Neil C. Cates. All were former members of the Franklin Kiwanis Club.

“Bike” Littell, also a very dedicated Kiwanian and also dedicated to the museum, served as the first secretary. The Kiwanis Club and Museum suffered another loss, when “Bike” passed away on December 16, 1971. Alice Kraissl, succeeded “Bike”, as secretary, and to this day performs a notable job as secretary. Neil Cates, who was also instrumental in the development of the Museum and Mineral Show was the first treasurer. He was succeeded by Kiwanian William Kulsar, who also provides the knowledge for best investment of the Museum endowment funds. The Museum’s first manager was Florence Hansen, whose knowledge of the Zinc Company officials and zinc miners provided the mining background and dedication that helped make the museum so successful as an education field trip for many students from the local and out-of-state schools. The present general manager is Joan Thomas, whose dedication to the museum has maintained above average management of the museum to insure its future.
The museum also contains much of the history of mining. This aspect of the museum has been the project of Richard Hauck, who has provided and obtained from various sources, artifacts pertaining to mining, i.e., lamps, head gear, shoes, tools, etc.

At this point, it is important to acknowledge the many contributions by the officers and members of the Franklin-Ogdensburg Mineral Society. They have contributed their knowledge, time, financial contributions, lectures, mineral identifications and many other aspects that greatly assisted the members of Franklin Kiwanis.

The Mineral Show, for years, had as its Chairman, Ed Selems, who also served at the same time as Museum President. The following show chairman was Robert Meyer, who also served as Museum President. As the Mineral Show is a Kiwanis Community project, the show chairman is a member of Franklin Kiwanis Club. The present show chairman is Tom Webb, who has held the position for the past four years, is also a director of the Mineral Museum. These men are dedicated, hard working, community minded citizens, contributing greatly to the present and future needs of the community. Thank God, for their services can never be measured in monetary values.
"The Dump" where the N.J. Zinc Co. dumped its unwanted ore during their operations. Today it is gradually being depleted by visitors who have made sensational discoveries.

The success of the Mineral Show, year after year, which attracts visitors from many states, with attendance numbering from 4,000 to 6,000 people, is also a reflection of the type of dealers whose variety of ores, minerals, gemstones, and accessories, provide the customers with what they desire, and at prices that are reasonable.

The Museum also appreciates the many contributors, who donate or lend their specimens to the museum. One of the first collections loaned to the museum was by Chester Lamanski. To insure continued attraction to the museum, the collection was purchased by Alice Kraissl and donated to the museum in memory of the Kraissl family.

Over the years — many Franklin mineral specimens have been identified by individual residents of the area or employed by the Zinc Co. and bear their names. The listing to date is as follows: Baumite, John L. Baum; Gerstmannite, Edwald Gerstmann; Hauckite, Richard Hauck; Hodgkinsonite, J. H. Hodgkinson; Johnbaumite, John L. Baum; Kolicite, John Kolic; Kraisslite, Frederick and Alice Kraissl; Lawsonbauerite, Lawson H. Bauer; Loseyite, Samuel R. Losey; McGovernite, J. J. McGovern; Moorite, Gideon Moore; Nasonite, Frank L. Nason; Roweite, George Rowe; Woodruffite, Samuel Woodruff; Yeatmanite, Pope Yeatman. This is without a doubt, not the end, as more can be expected.
A group whose efforts contribute to the success of the Franklin Mineral Show. From left, Richard Hauck, Museum Vice President, who with his wife Elma, organize and conduct the Rock Swap. Jack Baum, Museum Curator, combines his expertise with Peter Dunn and prepare the annual mineral listing. To the right, Tom Webb, Franklin Sterling Mineral Show Chairman, the man who puts it all together.

In the past 25 years, the Franklin Kiwanis Mineral Show and the Museum has received world-wide recognition. By resolution of the State of New Jersey, it was declared "The Fluorescent Mineral Capital of the World". An impressive highlight of the 1974 show, was the exhibition of the "Moon Stone" through the courtesy of the Goddard Space Center in Maryland.

The Kiwanis Club also acknowledges with sincere thanks the many individuals and organizations who display their mineral collections as part of the mineral show. They add enormous interest to the show each year. After proper judging, trophies are awarded to the "Best Dealer" and "Best Exhibitor". For a complete, well rounded mineral show, we also have a "Rock Swap" where specimens can be added to private collections, with a "swap".

There are many individuals and groups that each year contribute to the success of our show, which adds interest to next years show. To all, we of Kiwanis and the Mineral Museum, say "Thank You." We deeply appreciate your cooperation. May all continue the same unselfish dedication to make the Franklin-Sterling Mineral Show, bigger and better each year.

William W. Wurst, Anniversary Book Chairman
President, Franklin Mineral Museum, Inc.
Rock Hounds after searching the Buckwheat Dump, for a souvenir or a new specimen wait their turn to check the value of their find in the Black Light Shed.

The Shuttle Bus — takes visitors from the Armory to the Museum to the Pond Swap and back to the Armory.
Prior to the show, Kiwanis members put in many hours of work. Above, Joseph Reilly, Warren Walters and Clarence Case are preparing cases for mineral exhibitors.

"Pebble Puppies" grow up to be "Rock Hounds." Our most valued asset. They come on a school field trip, come with their parents to the Mineral Show, and develop a family hobby that is educational, scientific and also profitable.
Edited from numerous sources by John L. Baum, Curator of the Franklin Mineral Museum, September, 1981, following the nomenclature of the 1980 Glossary of Mineral Species, and with special thanks to Pete J. Dunn.

Acanthite  
Acmite  
Actinolite  
Adamite  
Adelite  
Akrochordite  
Albite  
Allactite  
Allanite  
Alleghanyite  
Almandine  
Analcime  
Anatase  
Andradite  
Anglesite  
Anhydrite  
Annabergite  
Anorthite  
Anorthoclase  
Anthophyllite  
Antigorite  
Apophyllite  
Aragonite  
Arsenic  
Arsenolite  
Arsenopyrite  
Augite  
Aurichalcite  
Austinite  
Azurite  
Bannisterite  
Barite  
Barium-pharmacosiderite  
Barylite  
Barysilite  
Bassanite  
Baumite  
Bementite  
Berthierite  
Biotite  
Birnessite  
Bixbyite  
Bornite  
Brandtite  
Brochantite  
Brookite  
Brucite  
Brusvgigite  
Bultfonteinite  
Bustamite  

Cahnite  
Calcite  
Caryopilite  
Celestine  
Celsius  
Cerussite  
Chabazite  
Chalcocite  
Chalcophanite  
Chalcopyrite  
Chlorophoenicite  
Chondrodite  
Chrysocolla  
Chrysothile  
Clinochlore  
Clinochrysite  
Clinohedrite  
Clinozoisite  
Conichalcite  
Connelite  
Copper  
Corundum  
Covellite  
Cryptomelane  
Cummingtonite  
Cuprite  
Cuspidine  
Datolite  
Desclzoizite  
Devilline  
Diopside  
Djurleite  
Dolomite  
Dravite  
Dypingite  
Edenite  
Enstatite  
Epidote  
Epsomite  
Erythrite  
Esperite  
Ettringite  
Eveite  
Fayalite  
Feitnechtite  
Ferroaxinite  
Flinkite  
Fluoborite  
Fluorapatite  
Fluorite  
Forsterite  
Franklinite  
Friedelite  
Gageite  
Gahnite  
Galena  
Ganomalite  
Garophyllite  
Gersdorffite  
Gersmannite  
Glaucophorite  
Goethite  
Gold  
Graphite  
Greenockite  
Grossular  
Groutite  
Grovesite  
Guerinite  
Gypsum  
Halloysite  
Hancockite  
Hardystonite  
Hastingsite  
Haukite  
Hausmannite  
Hawleyite  
Hedenbergite  
Hedyphane  
Hematite  
Hemimorphite  
Hendricksite  
Hercynite  
Hetaerolite  
Heulandite  
Hexahydrite  
Hodgkinsonite  
Holdenite  
Hornblende  
Huebnerite  
Hyalophane  
Hydrohetaerolite  
Hydromica  
Hydrotalcite  
Hydrozincite  
Illite  
Ilmenite
Jacobsite
Johnsenite
Johnbaumite
Kaolinite
Kentrolite
Kolicite
Koettigite
Kraisslite
Kutnohorite
Larsenite
Lawsonbauerite
Leod
Legrandite
Leucophoenicite
Linarite
Loeillingite
Loseyite
Magnesium-chlorophoenicite
Magnesioriebeckite
Magnetite
Magnussonite
Malachite
Manganaxinite
Manganberzeliite
Manganese-hoernesite
Manganite
Manganosite
Manganpyrosmalite
Marcasite
Margarite
Margarosanite
Marialite
Marsturite
McCallisterite
McGovernite
Melanterite
Metalodevite
Microcline
Mimetite
Molybenite
Moorite
Monohydrocalcite
Muscovite
Nasonite
Natrolite
Nepotocite
Nickeline
Nontronite
Norbergite
Ogdensburgite
Orthoclase
Pararammelsbergite
Parasymphesite
Pargassite
Pectolite
Pharmacosiderite
Phlogopite
Picropharmacolite
Pimelite
Powellite
Prehnite
Psilomelane
Pumppellyite
Pyrite
Pyraurite
Pyrochroite
Pyromorphite
Pyroxmangite
Pyrrhotite
Quartz
Rammelsbergite
Realgar
Retzian
Rhodochrosite
Rhodonite
Riebeckite
Roeblingite
Romeite
Rosasite
Roweite
Rutile
Safflorite
Sarkinite
Sauconite
Schallerite
Scheelite
Scorodite
Sepiolite
Serpierite
Siderite
Sillimanite
Silver
Sjogrenite
Skoutterudite
Smithsonite
Sonolite
Spessartine
Sphalerite
Spinell
Starkeyite
Sterlinghillite
Stibnite
Stilbite
Stilpnomelane
Strontianite
Sussexite
Svabite
Synadelphite
Talc
Talmessite?
Tennantite
Tephroite
Thomsonite
Thorite
Tilasite
Tirolite
Titanite
Todorokite
Torsreyite
Tremolite
Uraninite
Uranophane
Uvarovite
Uvite
Vesuvianite
Willemite
Wollastonite
Woodruffite
Wurtzite
Xonotlite
Yeatmanite
Zinsalite
Zincite
Zircon

Total = 281 species
Minerals Unique to Franklin and Sterling Hill

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Formula</th>
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<tr>
<td>BAUMITE</td>
<td>(Mg, Mn, Fe, Zn)₃(Si, Al)₂O₅(OH)₄</td>
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<td>Mn₃Zn₂(OH)₆[As₀.₅H₀.₅(O, OH)]₂</td>
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<tr>
<td>ESPERITE</td>
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<td>GERSTMANNITE</td>
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<tr>
<td>HANCOCKITE</td>
<td>(Pb, Ca, Sr)₂(Al, Fe³⁺)₃(SiO₄)₃(OH)</td>
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<tr>
<td>HARDYSTONITE</td>
<td>Ca₂ZnSi₂O₇</td>
</tr>
<tr>
<td>HAUCKITE</td>
<td>(Mn, Mg)₂₄Zn₁₈Fe³⁺(SO₄)₄(CO₃)₂(OH)₈</td>
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<tr>
<td>HENDRICKSITE</td>
<td>K(Zn, Mg)₃S₁₃Al₁₀(OH)₁₀</td>
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<td>HODGKINSONITE</td>
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<td>KOLICITE</td>
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<td>MARSTURITE</td>
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<td>MCGOVERNITE</td>
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<td>OGDENSBURGITE</td>
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<tr>
<td>TORREYITE</td>
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</tr>
<tr>
<td>YEATMANITE</td>
<td>[Mn₅Sb₂]₂[Mn₂Zn₈Si₄]¹₀²₈</td>
</tr>
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Fluorescent Minerals of The Franklin-Ogdensburg Areas, New Jersey Based on Observations as of 1981.

<table>
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<tr>
<th>Mineral</th>
<th>Colors</th>
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<tr>
<td>Barite</td>
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<td>Barylite</td>
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<tr>
<td>Bustamite</td>
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<tr>
<td>Calcite</td>
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<tr>
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</tr>
<tr>
<td>Cerussite</td>
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<tr>
<td>Chondrodite</td>
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<tr>
<td>Clinohedrite</td>
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<tr>
<td>Corundum</td>
<td>red</td>
</tr>
<tr>
<td>Diopside</td>
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<td>Dypingite</td>
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<tr>
<td>Edinite</td>
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<td>Epsomite</td>
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<tr>
<td>Esperite</td>
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<tr>
<td>Ettringite</td>
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<tr>
<td>Fluoborite</td>
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<tr>
<td>Fluorapatite</td>
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<tr>
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<tr>
<td>Hedyphane</td>
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<tr>
<td>Hemimorphite</td>
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<td>Johnbaumite</td>
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<tr>
<td>Manganaxinite</td>
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<td>Margarosanite</td>
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<tr>
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<td>Monohydrocalcite</td>
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<td>Norbergite</td>
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<td>Pectolite</td>
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<tr>
<td>Phlogopite</td>
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<td>Picropharmacolite</td>
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<td>Powellite</td>
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<td>Prehnite</td>
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<td>Scheelite</td>
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<td>Sphalerite</td>
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<td>Willemite</td>
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<td>Wollastonite</td>
<td>orange, yellow</td>
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<td>Xonotlite</td>
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</tr>
<tr>
<td>Zircon</td>
<td>yellow-orange</td>
</tr>
</tbody>
</table>

* - Best under long-wave ultraviolet. All others best under short-wave.
Telridge Associates
Realtors

HOMES — LOTS — ACREAGE

LAND INVESTMENT

ONE OF SUSSEX COUNTY’S LEADING REALTORS

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21. Rainbow Gemcraft, 125-11 103rd Ave., Richmond Hill, N.Y. 11419
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MUSEUM ENDOWMENT FUND
STARTS WITH THE 25th ANNIVERSARY

The year 1981 marks the beginning of the "Endowment Fund" for the Franklin Mineral Museum.

Recent years have seen a gasoline crisis based on supply and rising prices and a definite weakening of the economy which affected many phases of our living. As a result the Franklin Museum felt the impact of lower school budgets, less money for family trips and soaring expenses due to inflation. In 1979 and 1980, it was necessary to dip into our small financial reserve and to make adjustments to reduce operating costs.

To counteract that financial situation, Fred Kraissl, then President of the Franklin Mineral Museum, proposed an Endowment Fund which, by the interest gained through the investment of the fund, would serve as another source of money to operate and to develop the museum. The year of 1981 has seen the Fund go over $10,000 and on its way to $20,000, which is considered minimum for aiding the financial aspects of the operation of our institution. Going over $20,000 will allow consideration to be given to capital improvements to our complex.

A plaque highlighting major contributors to the endowment fund will be dedicated in the near future. If you wish to join the "Charter Members" of the Endowment Fund, you are urged to send a check (Tax Deductible) or pledge of one hundred dollars ($100.00) or more to: Kiwanis Club of Franklin, Endowment Fund Committee, P.O. Box 76, Franklin, N. J. 07416.

The Endowment Fund Committee consists of William Wurst of Haryston and Hamburg, J. Warren Walters of Franklin, Joseph A. Foley and Eugene Dovonan of Ogdensburg with Joseph G. Reilly of Franklin as chairman.

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SPEAKER PROGRAM

Saturday: October 3, 1981

11:00 A.M.  Mr. Richard C. Bostwick, Spex Industries, Metuchen, NJ - courtesy of FMS. "The Advantages and Disadvantages of Fluorescence in the Identification of Minerals from Franklin and Sterling Hill."

1:00 P.M.  Dr. Carl A. Francis, Curator, Geological Museum, Harvard University, Cambridge, MA "75 Years of Franklin at Harvard."

3:00 P.M.  Mr. John L. Baum, Curator, Franklin Mineral Museum, Franklin, NJ "Micro-Minerals of Franklin and Sterling Hill."

Sunday: October 4, 1981

1:00 P.M.  Mr. Robert A. Svecz, Resident Geologist, N.J. Zinc Co., Sterling Mine, Ogdensburg, NJ "Mining at Sterling Hill Today."

Speaker program courtesy of the Franklin-Ogdensburg Mineralogical Society, Inc.
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.

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