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# - DEDICATION -



# JOE CILEN (1916-1997)

We buried Joe Cilen the end of January; Joe is gone, or is he? We who remember Joe, we who call Joe a friend, have not lost him.

His presence is very much with us. A man who actively enjoyed minerals and people for more than sixty years does not disappear. What has Joe given us? What has Joe left for us? Let's check the list.

He never let aging be a reason for not getting involved with activities, which included being the Franklin-Ogdensburg Mineral Society banquet chairman and a committee and board member of the North Jersey Mineral Society and the Newark Mineral Society.

He maintained a strong love of the hobby, which kept his outstanding collection from ever getting stagnant.

He enjoyed the association of many people without the alltoo-common need to seek out only flaws.

He possessed a sense of humor that no amount of discouragement could stifle.

Joe was a gem of a special rarity that had many facets—a love of gardening and an ability to grow prize-winning chrysanthemums; a mineral book collector who amassed a collection of major magnitude; a collector of mineral collections, including a species collection of more than three thousand specimens, a Franklin-Ogdensburg collection, a collection of historical minerals, a Långban collection, a New Jersey traprock mineral collection, and a general collection totaling twenty thousand catalogued specimens.

Joe never married, but his special family at the time of his passing included a sister, a married nephew, and a grand-nephew. Joe was very proud of this family and would show the latest pictures to share this pride.

Mineralogy lost a special friend in Joe; we all did.

Richard Hauck Ogdensburg, New Jersey

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# IN MEMORIAM KEN BORDEN

MORRIS MUSEUM
MINERALOGICAL SOCIETY

**MEETS 7 PM** 

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SEPTEMBER - JUNE

AT

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# The comprehensive list of minerals from the Franklin-Sterling Hill Area, compiled by Pete J. Dunn and John L. Baum in 1997.

Acanthite Actinolite Adamite Adelite Aegirine Akrochordite Albite Allactite Allanite-(Ce) Alleghanyite Almandine Analcime Anandite Anatase Andradite Anglesite Anhydrite Annabergite Anorthite Anorthoclase Antlerite Aragonite Arsenic Arseniosiderite Arsenopyrite Atacamite Augite Aurichalcite Aurorite

Bakerite
Bannisterite
Barite
Barium-pharmacosiderite
Barylite
Barysilite

Austinite

Azurite

Bassanite
Baumhauerite
Bementite
Berthierite
Bianchite
Biotite
Birnessite
Bornite
Bostwickite

Breithauptite
Brochantite
Brookite
Brucite
Bultfonteinite
Bustamite

Brandtite

Cahnite
Calcite
Canavesite
Carrollite
Caryopilite
Celestine
Celsian
Cerussite

Chabazite Chalcocite Chalcophanite Chalcopyrite Chamosite Charlesite Chloritoid

Chlorophoenicite Chondrodite Chrysocolla Cianciulliite Clinochlore Clinochrysotile Clinoclase Clinohedrite Clinohumite Clinozoisite Clintonite Conichalcite Connellite Copper Corundum Covellite Cryptomelane Cummingtonite Cuprite

Datolite
Descloizite
Devilline
Digenite
Diopside
Djurleite
Dolomite
Domeykite
Dravite
Dufite
Dufite
Dufite
Dypingite

Cuprostibite

Cuspidine

Edenite
Epidote
Epsomite
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Esperite
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Ferrimolybdite
Ferristilpnomelane
Ferroactinolite
Ferroaxinite

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Fluorapatite
Fluorapophyllite
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Forsterite

Fraipontite Franklinfurnaceite Franklinite Franklinphilite Friedelite

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

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

Illite Ilmenite

Hydrozincite

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

Larsenite
Laumontite
Laumontite
Lead
Legrandite
Lennilenapeite
Leucophoenicite
Linarite
Liroconite
Lizardite
Loellingite
Losevite

Magnesiohornblende
Magnesioriebeckite
Magnesium-chlorophoenicite
Magnetite
Magnussonite

Magnussonite
Malachite
Manganaxinite
Manganberzeliite
Manganese-hoernesite
Manganhumite

Manganite
Manganosite
Manganoyrosmalite
Marcasite
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Marialite
Marsturite
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Meta-ankoleite
Meta-aukoleite
Metazeunerite

Molybdenite-2H Monazite-(Ce) Monohydrocalcite Mooreite Muscovite-1M

Microcline

Minehillite

Mimetite

Natrolite Nelenite Neotocite Newberyite Niahite Nickeline Nontronite Norbergite

Nasonite

Ogdensburgite Ojuelaite Oligoclase Orthochrysotile Orthoclase Orthoserpierite Otavite

Parabrandtite
Pararammelsbergite
Parasymplesite
Pargasite
Pectolite
Pennantite-1a
Petedunnite
Pharmacolite
Pharmacosiderite
Phlogopite-1M
Picropharmacolite
Piemontite
Piemontite
Pimelite

Powellite
Prehnite
Pumpellyite-(Mg)
Pyrite
Pyroaurite
Pyrobelonite
Pyrochroite
Pyrophanite
Pyroxmangite
Pyrrhotite

Quartz

Rammelsbergite
Realgar
Retzian-(La)
Retzian-(Nd)
Rhodochrosite
Rhodonite
Richterite
Roeblingite
Romeite
Rosasite
Roweite
Rutile

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

Spangolite

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Torreyite
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Uraninite Uranophane Uranospinite Uvite

Vesuvianite Villyaellenite

Wallkilldellite Wawayandaite Wendwilsonite Willemite Wollastonite Woodruffite Wulfenite Wurtzite

Xonotlite

Yeatmanite Yukonite

Zinalsite Zincite Zinkenite Zircon Znucalite

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

# Species unique to Franklin and Sterling Hill

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

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

CHARLESITE Ca<sub>4</sub>(A1,Si)<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>[B(OH)<sub>4</sub>](OH)<sub>12</sub>.26H<sub>2</sub>O

CHLOROPHOENICITE  $Mn_3Zn_2(OH)_6[As_{0.5}H_{0.5}(O,OH)_3]_2$ 

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

 $\begin{aligned} &FRANKLINFURNACEITE \\ &Ca_2Fe^{3+}Mn^{2+}{}_3Mn^{3+}Zn_2Si_2O_{10}(OH)_8 \end{aligned}$ 

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

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

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

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

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

HODGKINSONITE Zn<sub>2</sub>Mn(SiO<sub>4</sub>)(OH)<sub>2</sub>

HOLDENITE (Mn,Mg)<sub>6</sub>Zn<sub>3</sub>(OH)<sub>8</sub>(AsO<sub>4</sub>)<sub>2</sub>(SiO<sub>4</sub>)

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

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

KITTATINNYITE Ca<sub>4</sub>Mn<sup>3+</sup><sub>4</sub>Mn<sup>2+</sup>,Si<sub>4</sub>O<sub>16</sub>(OH)<sub>8</sub>.18H<sub>2</sub>O

 $\begin{aligned} &KOLICITE \\ &Mn_7Zn_4(AsO_4)_2(SiO_4)_2(OH)_8 \end{aligned}$ 

KRAISSLITE  $Fe^{3+}_{2}Mg_{4}Mn_{44}Zn_{6}(AsO_{4})_{6}(AsO_{3})_{4}(SiO_{4})_{12}(OH)_{36}$ 

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

$$\label{eq:lemmapeite} \begin{split} LENNILENAPEITE \\ K_{6-7}(Mg,Mn,Zn,Fe)_{48}(Si,Al)_{72}(O,OH)_{216}.16H_2O \end{split}$$

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

MCGOVERNITE  $(Mn,Mg,Zn)_{273}As^{3+}_{-12}As^{5+}_{-30}Si_{-42}O_{324}(OH)_{252}$ 

 $\begin{aligned} &\text{MINEHILLITE} \\ &K_2\text{Ca}_{28}\text{Zn}_5\text{Al}_4\text{Si}_{40}\text{O}_{112}\text{(OH)}_{16} \end{aligned}$ 

 $\begin{array}{l} MOOREITE \\ Mg_9Mn_2Zn_4(SO_4)_2(OH)_{26}.8H_2O \end{array}$ 

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

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

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

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

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

SAMFOWLERITE  $Ca_{14}Mn_3Zn_2(Zn_1Be)_2Be_6(SiO_4)_6(Si_2O_7)_4(OH_1F)_6$ 

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

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

TORREYITE  $(Mg,Mn)_9Zn_4(SO_4)_2(OH)_{22}.8H_2O$ 

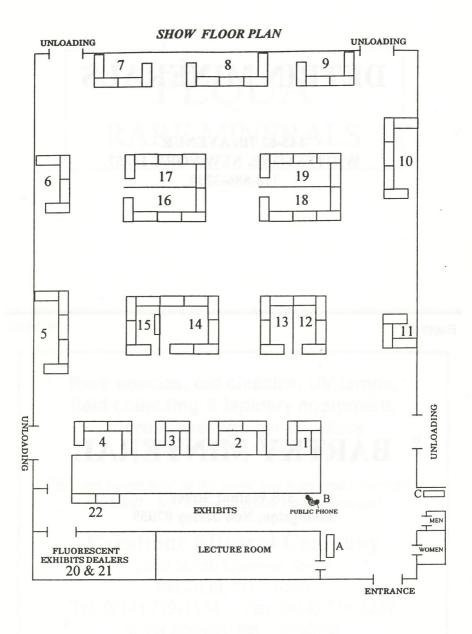
WALLKILLDELLITE Ca<sub>4</sub>Mn<sup>2+</sup><sub>6</sub>As<sup>5+</sup><sub>4</sub>O<sub>16</sub>(OH)<sub>8</sub>.18H<sub>2</sub>O

 $\begin{aligned} WAWAYANDAITE \\ Ca_{12}Mn_4B_2Be_{18}Si_{12}O_{46}(OH,Cl)_{30} \end{aligned}$ 

YEATMANITE  $[Mn_5Sb_2][Mn_2Zn_8Si_4]O_{28}$ 

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Anne M. Wronka

Mary Welsh

Bill Welsh

Helen A. Olszewski

John K. Olszewski

Dr. Pete J. Dunn

The Masked Collector

Bob & Patricia Hauck

# Franklin-Ogdensburg Mineralogical Society, Inc.

**BOX 146** 

FRANKLIN, N. J. 07416

The Franklin-Ogdensburg Mineralogical Society, Inc., is an organization established to provide programs designed to benefit the community, the collector and those interested in the minerals, mineralogy and geology of the Franklin-Ogdensburg area of New Jersey.

### Our purpose is:-

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

If you are interested in these or related programs, you are invited to join with us. Our yearly activities consist of seven scheduled meetings and field trips, with special trips to Museums, Universities and other areas of special interest. Our publication "The Picking Table", which is issued twice yearly, in March and September, will advise you regarding the meeting and field trip dates and other activities of the Society.

# Dues are \$15 for individual memberships - \$20 for family memberships

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

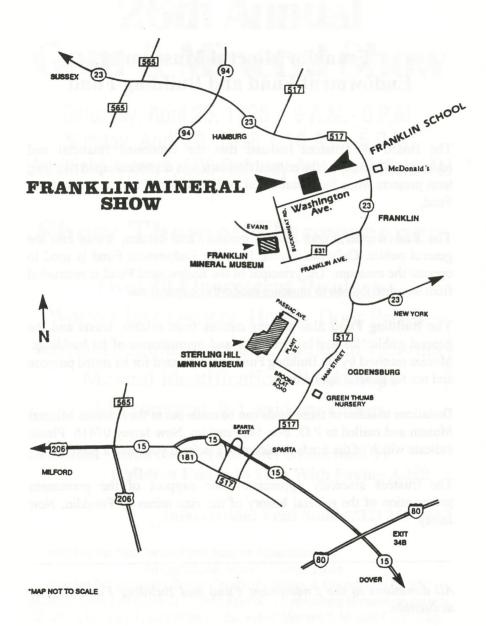
	MEMBERSHIP APPLICAT	NOI
NAME (Mr. Mrs. Miss)		
ADDRESS		
TOWN	STATE	ZIP CODE
PHONE		

(Please Print or Type)

# ANNUAL FRANKLIN-STERLING HILL MINERAL SHOW EXHIBITORS

DICK BOSTWICK Fl. ROBERT BOYMISTRUK PETE CHIN DENIS DEANGELIS JOHN EBNER GEORGE ELLING RICHARD & ELNA HAUK ROBERT HAUK JOHN KOLIC RALPH KOVACH Fl. DR STEVEN KUITEMS Fl. CHESTER & MARY BRIDGET LEMANSKI, Jr. Fl. LEE LOWELL PETE MACKEY Fl. STEVE MISIUR FI. STEVE PHILLIPS Fl. ALAN REIN FL **HUGH RONEMUS** Fl. ED WILK

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



# Franklin Mineral Museum's Endowment Fund and Building Fund

The Board of Trustees realized that the continued financial and educational success of the mineral museum was dependent upon two long term projects when they established an Endowment Fund and a Building Fund

The Endowment Fund accepts monies from estates, trusts and the general public. Only the income from the Endowment Fund is used to operate the museum. The principal of the Endowment Fund is restructed from any distribution to museum support or expansions.

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

Donations to either of these funds can be made out to the Franklin Mineral Musem and mailed to P.O. Box 54, Franklin, New Jersey 07416. Please indicate which of the funds the donations is for if you have a preference.

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

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

# **26th Annual Gem & Mineral Show**

Saturday, April 25, 1998 • 9 A.M.- 6 P.M. Sunday, April 26, 1998 • 10 A.M.-5 P.M. Westfield Armory, 500 Rahway Ave., Westfield, NJ

# **Show Theme: Fluorescence**

Over 30 Fluorescent Displays

World Class Dealers, Hourly Door Prizes, Demonstrations, Lectures, Children's Corner Mineral Identification, Workshops Micromount & Lapidary Tables

Donation: Adults \$4.50 (with flier \$4.00, limit 2) Children Under 14 Free With Paying Adult

Information: Fred Stohl (732) 341-3553

Presented by the New Jersey Earth Science Association, Inc.

- An Educational, Non Profit Organization

Member Organizations: Bergen County Mineralogy & Paleontology Society, Delaware Valley Earth Science Society, Franklin - Ogdensburg Mineralogy Society, Mineral & Lapidary Society of the Raritan Valley, Monmouth Mineral & Gem Club, Newark Mineralogical Society, Inc., New Jersey Lapidary Society, Inc. New Jersey Mineralogical Society, Inc. North Jersey Mineralogical Society, Inc. Trailside Mineral Club

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# THE NINETEENTH ANNUAL F.O.M.S. BANQUET and

# **AUCTION**

Saturday, September 27, 1997

Time: 6:30 pm Social Time

7:00 pm Dinner Served

Tickets: \$12.50 per ticket admits one to

all-you-can-eat buffet "Italian Style"

includes beverage and beer

\$2.00 cash bar

Speaker: Dr. Carl Francis,

Harvard University

Auction: Vandall King, Auctioneer

Location: Ogdensburg Firehouse

Main Street, Ogdensburg

Next to the ballfield

### **LECTURER**

### Carl A. Francis

**TOPIC: FRANKLIN MINERALS: "OUTSIDE THE BOX"** 

### Professional Service:

Amherst College

Pratt Museum Committee October 1993 to present

Books reviewed for journals

Friends of Mineralogy

Ad Hoc Committee on Locality Preservation

Grant proposals reviewed for governmental agencies

Harvard University

University Extension: Certificate in Museum Studies program

Instructor Muse E-100: Introduction to Museology 1991 - present Instructor Muse E-115: Collections & Curation 1992 - present

Internship Coordinator 1991 - present

University Museums Council

Mineralogical & Geological Museum Representative 1978 -

Watch Dog Committee

International Mineralogical Association

Commission on Museums

National Representative 1987 - 1992

Secretary ad interim July, 1991 - September, 1994

Chairman 1994 - present

Lectures to mineral clubs and civic groups

Manuscripts reviewed for journals

Mineralogical Association of Canada

Associate Editor Canadian Mineralogist 1992-1994

Mineralogical Society of America

Representative to Friends of Mineralogy 1982-1983

Crystallographic Award Selection Committee 1993

Rocks & Minerals Magazine

Consulting Editor 1980-present

Society of Mineral Museum Professionals

Board of Directors 1993-1995

Vice President 1993 - 1995



# FRANKLIN MINERAL MUSEUM MEMBERSHIPS

	ALL categories include the following:  (1). Museum identification card.  (2). 10% discount at shop (including min (3). May consign items in museum shop.	erals), except consignment items.	
	1. Individual - \$15 per year \$10 per year for students (gra- college students of all ago	ammar, high school, and es with valid college ID)	
	Benefits: Three free admissions to museum (i.e., 3 museum or 3 dump or any		
	2. Family - \$25 per year Benefits: Five free admissions to museum a	nd/or dump	
	3. Patron - \$50 per year Benefits: (1). Ten free admissions to muse	um and/or dump	
	(2). Invitation to attend annual restricted to Patron, Life, an		
	4. Life - \$500 one-time fee Benefits: (1). Unlimited museum visits for per year, plus 20 guest admid dump.	member, plus 10 dump admissions per year for museum and/or	ns
	(2). Invitation attend annual min to Patron, Life, and Sustain	neral auction; attendance restricteing members only.	d
	(3). Name put on plaque.		
	5. Corporate - \$1,000 one-time fee Benefits: Name and company logo (if desire	ed) on plaque	
	6. Sustaining - \$5,000 in money, materiel, as Benefits: Benefits of Life member, plus reco the Museum Board of Trustees		
	Detach Here		
lame		Date	
ddres	38		
	Town State Zip Code		
/lemb	ership Type	Accepted by0	396



# 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.

### **GREATER THAN EVER!**

Recent additions to the displays are the Wilfred Welsh collections of worldwide minerals and rocks, fossils and Native American relics. These instructive exhibits represent a lifetime of selection by a dedicated educator and are housed in rooms designed expressly for their display.

SALES AREA: Mineral Lights, Specimens, Souvenirs and Jewelry available.

# **NEW OPERATING SCHEDULE**

OPEN 7 DAYS A WEEK
MON. THRU SAT. 10:00 a.m. TO 4:00 p.m.
SUNDAY 12:30 TO 4:30

MUSEUM OPENS MARCH 1 AND CLOSES DECEMBER 1
SPECIAL GROUP OFF SEASON RESERVATIONS ARE AVAILABLE

Gifts and donations to the Museum are tax deductible.

32 Evans Street, Box 554, Franklin, N.J. 07416 (973) 827-3481