

SECOND ANNUAL MINERALOGY EXHIBIT OF THE FRANKLIN
KIWANIS CLUB - September 27th & 28th, 1958

This exhibit makes available for public view many of the principal private collections of the unique minerals of the Franklin-Sterling area. These unusual ore bodies, comprising more minerals than are found anywhere else on earth, have intrigued mineralogists and collectors ever since their discovery. Dutch mining experts first explored the area in 1640. The ore bodies, whose principal metals are zinc, manganese and iron, continued to puzzle experts for the next two centuries.

Mining operations were first successfully developed by The New Jersey Zinc Company, which succeeded in building a great industry from its beginning at Franklin. The deposits at Franklin are now exhausted and its specimens have become collectors items. The 177 minerals found at Franklin-Sterling and the 28 minerals which have never been found elsewhere are listed below.

MINERALS OF THE FRANKLIN-STERLING AREA

Albite	Calamine	Glaucocroite	Margarosanite
Allactite	Calcite	Goethite	Mariposite
Allanite	Calcium-Lar-	Gold	Mcgovernite
Amphibole,	senite	Graphite	Microcline
Actinolite	Celestite	Greenockite	Millerite
Crocidolite	Cerussite	Gypsum	Molybdenite
Cummingtonite	Chalcocite	Hallöysite	Mooreite
Edenite	Chalcophanite	Hancockite	Muscovite
Hastingsite	Chalcopyrite	Hardystonite	Oellacherite
Hornblende	Chloanthite	Hedyphane	Nasonite
Pargasite	Chlorite	Hematite	Natrolite
Tremolite	Chlorophoenicite	Hetaerolite	Neotocite
Analcite	Magnesium-	Heulandite	Niccolite
Anglesite	chlorophoenicite	Hodgkinsonite	Norbergite
Anhydrite	Chondrodite	Holdenite	Oligocase
Anorthite	Clinohedrite	Hortonolite	Orpiment
Anorthoclase	Copper	Hyalophane	Pararammels-
Anthophyllite	Corundum	Hydrohaus-	bergite
Apatite	Cuprite	mannite	Pectolite
Apophyllite	Cuspidine	Hydrohetaer-	Phlogopite
Aragonite	Datolite -Botry-	olite	Prehnite
Arsenic	olite	Hydrozincite	Psilomelane
Arseniosiderite	Desaulesite	Ilmenite	Pyrite
Arsenopyrite	Descloizite	Kaolin	Pyrochroite
Aurichalcite	Dolomite	Kentrolite	Pyrolusite
Axinite, Ferro-	Epidote	Kutnahorite	Pyroxene,
axinite	Ettringite	Larsenite	Deopside
Manganoaxinite	Fluoborite	Lead	Hedenbergite
Azurite	Fluorite	Leucophoen-	Jeffersonite
Barite	Franklinite	icite	Johannsenite
Barylite	Friedelite	Limonite	Schefferite
Barysinite	Gageite	Lollingite	Pyrrhotite
Bementite	Gahnite	Loseyite	Quartz, Flint
Biotite, Man-	Galena	Magnetite	Milky
ganophyllite	Ganophyllite	Malachite	Rock crystal
Bornite	Garnet,	Manganite	Rose
Brucite, Mangan-	Almandite	Manganosite	Rammelsbergite
brucite	Andradite	Manganpyros-	Realgar
Bustamite	Grossularite	malite	Rhodochrosite
Cahnite	Gersdorfite	Marcasite	Rhodonite, Fowler-
			ite

Roebingite	Siderite	Talc	Willemite
Roepperite	Silver	Tennantite	Wollastonite
Rutile	Skutterudite	Tephroite	Woodruffite
Sarkinite	Smithsonite	Thomsonite,	Xonotlite
Scapolite	Sphalerite	Calciotitanite	Yeatmanite
Schallerite	Spinel	Torreyite	Zincite
Serpentine, common	Stilbite	Tourmaline,	Zircon
Chrysotile	Sussexite	Dravite	Zoisite
Vorhauserite	Svabite	Schorl	
		Vesuvianite	

MINERALS FOUND NOWHERE EXCEPT AT FRANKLIN OR STERLING

Cahnite	F	Holdenite	F
Calcium-larsenite	F	Jeffersonite	F, S
Chalcophanite	S	Larsenite	F
Chlorophoenicite	F	Leucophoenicite	F
Clinohedrite	F	Loseyite	F
Desaulesite	F	Magnesium-chlorophoenicite	F, S,
Ferroschallerite	F	Mcgovernite	S
Franklinite	F, S	Mooreite	S
Gageite	F	Roebingite	F
Glaucochroite	F	Roepperite	S
Hancockite	F	Schallerite	F
Hardystonite	F	Sussexite	F, S
Hetaerolite	F, S	Torreyite	S
Hodgkinsonite	F	Zincite	F, S

FLUORESCENT FRANKLIN-STERLING MINERALS

<u>Mineral</u>	<u>Color of Fluorescence</u>
Anorthite	Blue
Aragonite	Cream, red
Axinite	Red
Barite	Cream
Barylite	Blue
Calcite	Red
Calcium-larsenite	Yellow
Clinohedrite	Orange
Corundum	Red
Diopside	Blue
Fluorite	Green
Hardystonite	Purple
Hydrozincite	Blue
Margarosanite	Blue
Nasonite	Blue
Norbergite	Yellow
Pectolite	Orange
Rhodonite-Bustamite	Red
Scapolite	Blue
Smithsonite	Yellow
Sphalerite	Red, Blue
Svabite	Red
Tremolite	Blue, Cream
Willemite	Green, Yellow
Wollastonite	Orange