

MISCELLANEOUS SPECIMENS

III - HALIDES							
III-01	Boleite	Amelia Mine Baja California Mexico	4.5 x 4.5 x 4.5	Single dark blue vitreous cube with no matrix attached	ca. August 1987	From my Uncle's collection; Ex. Schneider's Rocks and Minerals, Poway, California, USA ca. 1983	
IV - OXIDES							
IV-01	Columbite	Tin Mountain Mine Custer County South Dakota USA	25 x 24 x 20	Single dull black striated dipyrmidal crystal	ca. 1988	Show purchase Waterloo Ontario Canada	
IV-02	Columbite Molybdenite	Ivittut (Iviglut) Sermersoq Greenland (Dana locale)	45 x 38 x 36 7 x 5 x 5	Multiple black iridescent tabular crystals on pegmatite(?) rock, silvery Molybdenite encrustations	ca. 1988	Show purchase Waterloo, ON Canada; Ex. Mineralogical Research Company San Jose, California, USA	
V - CARBONATES							
V-01	Malachite	California USA	70 x 50 x 40	Green botryoidal and massive on rock, also vitreous layers throughout	ca. 1988	Purchased in Anaheim, California, USA	
V-02	Malachite	China	14 x 18 x 11	Deep green teardrop shaped botryoid growth	27Aug2009	Crystalworks Gallery Vancouver, BC Canada	
V-03	Azurite concretion	USA	Diameter 14	Opaque blue nodular concretion	27Aug2009	Crystalworks Gallery Vancouver, BC Canada	
V-04	Malachite	Katanga Democratic Republic of Congo	20 x 25 x 23	Velvety green branch of radiating silky Malachite	24Sept2009	Mountain Gems Burnaby, BC Canada	
V-05	Dolomite	Black Rock Arkansas USA	67 x 37 x 30 Crystals to 4	Sharp pink rhombohedral crystals in matrix	21July2011		
VII - SULPHATES							
VII-01	Gypsum	Red River Floodway Winnipeg Manitoba Canada	68 x 54 x 50 Crystals to 22	Radiating rosette lenticular crystals, larger crystals are amber translucent	ca. August 1987	From my Uncle's collection	
VII-02	Gypsum	Red River Floodway Winnipeg Manitoba Canada	66 x 40 x 41 23 x 18 x 10	Radiating rosette lenticular crystals, larger crystals are semi-transparent, pale yellow	ca. August 1987	From my Uncle's collection	
VII-03	Krohnkite	Chuguicamata Calama El Loa Province Antofagasta, Chile	29 x 20 x 18	Turquoise skeletal crystals, opaque crust in places	ca. 1988	Show purchase Waterloo Ontario Canada	
VII-04	Chalcanthite	Arizona USA	13 x 10 x 11	Blue resinous fibrous crystals	30Sept2009	Mountain Gems Burnaby, BC Canada	
VIII - PHOSPHATES							
VIII-01	Apatite	Mexico	14 x 9 x 6 12 x 4 x 6	Two separate yellow adamantine prismatic crystals, no matrix	ca. August 1987	From my Uncle's collection	
VIII-02	Vivianite	Huanuni Mine Huanuni Dalcence Province Oruro Department Bolivia	Rays to 31.0	Small spray of elongated vitreous ultramarine crystals	ca. August 1987	Ex. Bob Zarnke	
VIII-03	Wavellite	Arkansas USA	39 x 37 x 40 Radiating to 11	Several circular crystal groups of radiating green wavellite on matrix.	ca. 1988	Show purchase Waterloo Ontario Canada	
VIII-04	Adamite	Ojuela Mine Mapimi Durango Mexico	28 x 17 x 16	Lutrous translucent green crystals in fan shaped growth on gossan	ca. 1988	Ex. Bob Zarnke	
XI - SILICATES							
IX-01	Beryl	Manitoba Canada	20 x 17 x 12	Broken tip of greenish opaque prismatic terminated crystal, dull lustre, no matrix	August 1987	From my Uncle's collection; personally collected	
IX-02	Schorl	Quadeville Ontario Canada	13 x 9 x 6	Terminated tip of prismatic black vitreous crystal	August 1987	From my Uncle's collection; personally collected	
IX-03	Staurolite	West Virginia USA	13 x 9 x 5 17 x 10 x 4	Pair of brown hexagonal crystals with classic cruciform twinning, no matrix	August 1987	From my Uncle's collection	
IX-04	Lepidolite	Winnipeg Manitoba Canada	32 20 x 16 To 7.0	Several foliated pearly mauve crystals on matrix	August 1987	From my Uncle's collection; personally collected	
IX-05	Elbaite	Minas Gerais Brazil	20 x 12 x 13	Light blue transparent prismatic crystal with etched termination point, no matrix	ca. 1988	Show purchase Waterloo, ON Canada; Ward's Natural Science Establishment, Rochester, New York, USA	
IX-06	Schorl	Minas Gerais Brazil	65 x 9 x 8	Black prismatic vitreous crystal, lengthwise striations, no matrix	Ca. 1988	Show purchase Waterloo, ON Canada; Ward's Natural Science Establishment, Rochester, New York, USA	
IX-07	Hemimorphite	Mapimi Durango Mexico	30 x 28 x 29 Fans to 20.0	Cluster of white vitreous fan-shaped growths on matrix	ca. 1988	Show purchase Waterloo Ontario Canada	
IX-08	Actinolite in Talc	North Carolina USA	59 x 32 x 15 Actinolite width to 3.0	Many dark green vitreous blades of Actinolite intergrown through powdery talc	ca. 1988	Show purchase Waterloo Ontario Canada	
IX-09	Elbaite	Brazil	16 x 8 x 10	Prismatic vitreous crystal dark green at base, then lighter green, and pink at termination; no matrix	ca. 1988	Show purchase Waterloo Ontario Canada	

IX-10	Elbaite (var. Rubellite?)	San Diego California USA	17 x 8 x 8	Pink prismatic transparent crystal with flat termination, no matrix	ca. 1988		
IX-11	Topaz	Ouro Preto Minas Gerais Brazil	20 x 9 x 7	Prismatic orange vitreous crystal, no matrix	Ca. 1988	Ex. Bob Zarnke	
IX-12	Beryl var. Aquamarine	Afghanistan	18 x 6 x 5	Colourless hexagonal adamantine crystal, terminated, no matrix	ca. 1988	Ex. Bob Zarnke	
IX-13	Topaz	Topaz Mountain Thomas Range Juab County Utah USA	16 x 6 x 4	Prismatic adamantine crystal, pale orange/pink, no matrix	ca. 1988	Ex. Bob Zarnke	
IX-14	Almandine Garnet	Radenthein Carinthia Austria	11 x 15 x 12	Black dodecahedral resinous crystal, no matrix	ca. 1988	Ex. Bob Zarnke	
IX-15	Grossular Garnet	Asbestos Québec Canada	22 x 16 x 10 2 x 2 x 2	Druse to 2 mm of turquoise/emerald green vitreous crystals	22Aug2009	Old Strathcona Farmer's Market Edmonton, AB Canada	
IX-16	Heulandite Chlorite inclusions	Pune Maharashtra India	14 x 12 x 13	Several green vitreous twinned crystals, no matrix	12Sept2009	Crystalworks Gallery Vancouver British Columbia Canada	
IX-17	Elbaite	Minas Gerais Brazil	21 x 10 x 6	Green translucent prismatic fragment, attached to cluster of smaller Elbaite(?) crystals to 8 cm	25Dec2009	Opal Wing Creations Glen Williams Ontario Canada	