AGRINIERITE- Margnac, Haute-Vienne, France
A moderately rare uranium mineral, here as small orange aggregates sparsely scattered on a moderately hot uraniferous matrix, associated with yellow uranophane and possibly other species. An old specimen from the type (and only!) locality, ex-Cilen and ex-A.L. McGuinness (mcguinnessite), and accompanied by their labels, overall size just over 4x3cm @ 165.00.

ARROJADITE-(KFe)- Nickel Plate Mine, Pennington Co., South Dakota
This NEWLY DEFINED SPECIES is one of the primary phosphate minerals that give rise to a wide variety of secondary minerals. We have a good selection of the (KFe) species as massive and largely unaltered dark green to greenish brown chunks either as pure crystalline masses or with minor amounts of other pegmatite minerals. Nice reference collection material from the type locality, in sizes from 2.5 cm to 10 cm @ 10.00, 20.00, 35.00, 50.00 and 75.00 each.

ARSENOPYRITE- Conception del Oro, Zacatecas, Mexico
From the old, classic locality for the species, these were from the huge lot brought out in the 1960's. The arsenopyrite forms small wedge-shaped silvery crystals to 5mm richly scattered on matrix, occasionally with quartz crystals, pyrite, sphalerite etc. Moderately attractive specimens, sizes about 3cm to 6cm across at just 7.50, 15.00 and 25.00 each. Nice!

BARYTOLAMPROPHYLLITE- Palitra Pegmatite, Lovozero, Kola, Russia
From the now-famous pegmatite on Kedykverpakhk Mt. and subsequently described in MinRec article, we have a few samples of pale golden brown rosettes and spherules of this uncommon mineral, here scattered in ussingite and often associated with lomonosovite, aegirine etc. Several samples available, ranging from about 2.5cm to nearly 5cm across @ 35.00, 45.00 and 55.00 each.

BENTORITE- Hatrurim, W of Dead Sea, Negev Des. Israel
A member of the ettringite group, and type locality material from an occurrence known for unusual calcium minerals, bentorite occurs here as rich magenta, earthy to crystalline coatings and seams in rock matrix, possibly with other phases. A unique and large, rich specimen from the type locality, with the major bentorite band over 1 cm wide accompanying several smaller veins, overall specimen a superb 6x4cm @ 375.00. Only one available!

BERYL variety "BIXBITE"- Violet Claims, Thomas Mt, Juab Co., Utah
From an old stash, these are small, stout prismatic crystals of deep purplish-red beryl with little or no matrix, here nicely mounted on clear Lucite bases. Crystal sizes range from about 6x5mm to 1x8mm, and these all show typical deep color that is largely opaque except in the thinnest of sections. All crystals show some good prism faces with minor sandy encrustations at the single terminations or on some faces as well. These are priced more to quality than size @ just 60.00, 80.00 and 120.00 each, now becoming impossible to locate at a reasonable price! Get them while you can, as price escalation is killing our ability to supply these beyond our existing stock.

BROCHANTITE- Douglas Hill Copper Mine, Lyon Co., Nevada
Superb, dark green micro crystals of brochantite richly scattered in seams and vugs, making fine thumbnail to small cabinet specimens! Quite attractive with brilliant luster and all with micro potential, some overlaying an attractive bed of chrysocolla or other copper minerals as well, overall sizes range from about 2cm up to 9cm across @ 7.50, 10.00, 20.00, 30.00, 45.00 and 60.00 each. Very nice!

CALCITE- Pine Point, Northwest Territories, Canada
A fine, large translucent group of several rounded, stout scalenohedral calcite crystals to 7cm across comprising this relatively damage-free and attractive specimen. From the find of about ten years ago and now long-gone from the market, only one superb piece on hand, about 20cm x 16cm @ just 250.00. A showy and heavy specimen!

CARBONATE-CYANOTRICHITE- Engels Mine, Plumas Co., California
Pale blue, powdery masses of minutely radiating fibers nicely scattered over matrix, some with minor brochantite. Old material collected many years ago, ex-A.L. McGuinness (mcguinnessite) specimens identified at the CDMG laboratory, specimens from about 1.5cm to nearly 5cm across @ 10.00, 20.00 and 30.00 each.

CHALCOPHYLLITE- Majuba Hill, Pershing Co., Nevada
Small platy crystals of blue-green chalcopyllite nicely scattered in vugs and in exposed seams on matrix. Classic U.S. locality material with excellent micro potential, we have colorful matrix specimens from 2cm to 7cm @ 8.50, 12.50, 20.00, 35.00, 50.00 and 75.00 each, depending on size and coverage. Excellent for the locality and species!

CORUNDUM variety SAPPHIRE- Andranandamo, Tulear Province, Madagascar
Murky greenish brown to bluish grey corundum crystals without matrix, here as short hexagonal prismatic crystals and sections, typically with crude basal pinacoid terminations. Opaque specimens but with moderately good form and great for hardness kits, these range from 1cm to 2cm tall, offered as a small collection of three different for just 5.00 per lot!

CUPRITE var: CHALCOTRICHITE- Tsumeb, Otavi, Namibia
From old material uncovered in the Julius Weber Collection, a small lot of deep orange-red felted masses of chalcotrichite liberally scattered over matrix, many with small clear calcite crystals and possibly other species. Excellent locality specimens, likely pre-1970's, sizes from 1.5cm to nearly 3cm @ 8..50, 15.00 and 25.00 each; one super 6x3cm specimen @ 60.00.

ECDEMITE- Langban, Varmland, Sweden
A rather large and rich specimen for the species, recently uncovered in the Julius Weber Collection material. The specimen is a 6x4cm matrix specimen of dark brown massive "scheflerite" clinopyroxene that shows a large, rich area of dull yellowish green ecdemite extending about 4x2.5cm across one face, with lesser spotty coverage on the reverse. Weber's label notes "Checked by P.B.M." (Paul B. Moore) who worked with Weber on many occasions to identify rare species. A killer for this type locality specimen, only one available, @ 300.00.

ESSENEITE- Kopiesk, Southern Urals, Russia
This uncommon species occurs here as yellowish brown tiny crystalline aggregates scattered on matrix. Like the Wyoming locality occurrence, these were uncovered on burning coal dumps (near Chelyabinsk). Only a few samples on hand, tiny powdery aggregates in a vial @ 20.00, or as 2cm matrix samples @ 55.00 each.

FERROHORBLENDE- Coldwell Complex, Marathon, Ontario Canada
Rich black aggregates of ferrohornblende well scattered in pinkish feldspar within a nepheline syenite pegmatite. Old material, ex-E.W. Heinrich specimens from his extensive field work, overall sizes from 4cm to 7cm across @ just 10.00, 20.00 and 30.00 each.

FERROMERRILLITE- Los Angeles, L.A. County, California
This exceptionally rare NEW SPECIES occurs here as minute aggregates in the 1999 find of the Los Angeles meteorite, a rare Martian basaltic shergottite! Only two small LA meteorite samples were discovered, and subsequent study of the Shergotty meteorite and this material has led to the recent IMA-approval (#2006-039) of this new phosphate mineral. Formula: Ca9NaFe(PO4)7; author's studied material, ONLY THREE individual grains available, each in a 5mm probe mount @ 450.00 each, accompanied by superbly documented full quantitative chemistry and SEM image as well. List alternates all you phosphate, systematic and California collectors; this material will sell out quickly!

FLUORITE- Huang Sha Bing, Hunan Province, PR China
These are fairly attractive, pale green cleavage octahedrons showing a very pleasing color with relatively sharp octahedral edges, all without matrix, of course. Quite nice, with the tip to tip length averaging 2cm and very clean and attractive @ 5.00 each; a few larger that are cloudy and somewhat cruder about 3.5cm tall at just 8.50 each. Limit one per order, please!

GERMANOCOLUSITE- Tsumeb, Namibia
This exceptionally rare mineral occurs as microscopic inclusions in tennantite/galena ore, occasionally with minor pyrite or other species. We have only two superbly documented ore samples about 1cm across and mounted in a 2.5cm polished probe mount, each accompanied by an SEM image pinpointing the mineral, along with complete quantitative analysis of this rare Cu-V-Ge-As sulfide. Both samples show trace Cd as well. These are the first and only we have encountered since the species was described in 1997 @ 450.00 each. A one-time, must-have for the Tsumeb collector!

GOBBINSITE on USSIDINGITE- Kedykverpakht Mts., Lovozero, Kola, Russia
From an odd occurrence discovered last year, these are yellowish sugary aggregates of gobbinsite overgrowing crudely crystallized pale lavender ussingite. Some micro potential, but these are primarily locality reference specimens from this strange association and occurrence! Specimens are about 1.8cm to 4cm @ 20.00, 30.00 and 45.00 each.

GREENOCKITE- Summit Q, Springfield, Union Co., New Jersey
From the I-78 excavation here in the early 1970's, we have a small selection of exquisite micro greenockite crystals, all from material uncovered in the Julius Weber/Lou Perloff collections purchased several years ago. The greenockite crystals are a deep, translucent to transparent golden yellow, sizes averaging about 1mm across, each showing sharp faces and nicely mounted in a black micro box, a few on matrix showing chalcopyrite, prehnite etc. available at 150.00 and 175.00 each - rarely well crystallized, and from an extinct locality!

**GROSSULAR- Angola #1, Sibindi, Kayes Region, Mali**
Rather strange, yellowish-green to brown single crystals of grossular (with andradite leanings!), all showing good dodecahedral faces as well as some strange etching and cavernous areas. A weird garnet color from a new but obscure locality, the crystals average just over 2.2cm across @ only 20.00 each. Neat!

**KEILITE- Abee, Alberta, Canada**
This relatively NEW SPECIES has been discovered in the Abee meteorite, an enstatite chondrite (EH3) that fell here on June 9, 1953. The mineral occurs as minute inclusions in small sections of kamacite-containing clinoenstatite, occasionally with minor roedderite. Formula: (Fe,Mg)S - and each sample is a small fragment mounted in a 5mm probe mount and accompanied by two SEM images and full quantitative chemistry! Only a few of these superbly documented samples available @ 240.00 each.

**KIMURAITE-(Y)- Mitsukoshi, Hizen-cho, Kyushu Is., Japan**
This rare mineral occurs here as pale pink to white radiating aggregates of minute inclusions in small sections of kamacite-containing clinoenstatite, occasionally with minor roedderite. Formula: (Fe,Mg)S - and each sample is a small fragment mounted in a 5mm probe mount and accompanied by two SEM images and full quantitative chemistry! Only a few of these superbly documented samples available @ 240.00 each.

**LASALITE with PASCOITE- Vanadium Queen Mine, San Juan Co., Utah**
This NEW SPECIES is sparsely scattered with brilliant orange pascoite crystalline crusts on dark greyish vanadium-rich matrix, some with minor corvusite or other phases. The species, formula Na2Mg2[V10O28]*20H2O, IMA #2007-005, is NOT the orange material (analytically confirmed here simply as pascoite) as has been listed elsewhere, but rather as very tiny, rather yellowish aggregates rarely associated with the colorful pascoite. After checking many pascoite specimens from this locality in our lab recently, we have found only a few confirmed lasalite samples, typically quite subordinate in small TN specimens from 1cm to 2.2 cm @ 75.00, 100.00 and 125.00 each, all with a copy of our confirming analysis. If you bought the orange material elsewhere at significantly higher prices, caveat emptor!

**MAGNESIOHASTINGSITE- Montenero Q., Onano, Viterbo, Lazio Italy**
Yet another complex amphibole from the classification nightmares of mineralogy, these rather attractive as tiny, hair-like greenish to brownish vitreous micro crystals well scattered in vugs in matrix. IMA approved and a micromounters delight, specimens from about 1.8cm to 3cm across offered at just 25.00 and 45.00 each.

**MANGANOKHOMYAKOVITE- Mont Saint-Hilaire, Quebec, Canada**
This rare species, approved in 1998, occurs as brilliant, deep orange-red micro-crystalline aggregates, most here with minor white matrix. From the type material collected in 1976, offered here as small but colorful crystal aggregates in a capsule. Only a few specimens available @ just 75.00 each. One per order, please!

**MANGAZEITE- Mangaaziskoye Dep, Sakha, Yakutia, Russia**
This NEW SPECIES occurs as extremely small, greyish white pearly aggregates mounted on SEM carbon tape. Formula: Al2[OH]4|(SO4)|3H2O, triclinic. IMA #2005-021a, holotype material. A new member of the aluminite group, type locality material, of course, but only five mounts available @ 125.00 each.

**MILLERITE- Wissen, Rheinland, Germany**
An old classic, comprised of an exceptionally rich, chaotic intergrowth of many thousands of micro, golden millerite rods to 6mm long, fully covering and intergrown throughout this vuggy, intriguing specimen. The piece is accompanied by a pre-1900 Krantz label as well as a Michigan College of Mines label, overall size is 4x3cm @ only 165.00.

**MINIUM- Spa, Liege Province, Belgium**
An old specimen, ex-R. Buckingham Collection, consisting of many small dusty orange spots and seams of this uncommon lead oxide mineral well scattered in and on matrix. An obscure locality specimen of good size and provenance, overall size about 5.5x4x3cm @ 55.00.

**MISERITE- Wilson Mineral Springs, Arkansas**
Pink fibrous masses of miserite scattered in matrix, associated with greyish white wollastonite and possibly other phases. Fluorescent bright yellowish due to the admixture, all with excellent coverage. Interesting material from this "near Magnet Cove" type locality, sizes from 2cm to nearly 7cm @ 10.00, 20.00, 35.00 and 50.00 each.

**MONTEBRASITE- Tin Mt. Mine, Custer Co., South Dakota**
Pure white cleavages of montebrasite without matrix, with only minor amounts of other pegmatite minerals. At first glance could be mistaken for a feldspar, but the pieces exhibit good cleavage in only one direction and have a slightly greasy luster. Excellent reference material, from 3cm to 8cm+ @ only 10.00, 20.00, 30.00 and 45.00 each.

MOOREITE- Sterling Mi, Ogdensburg, Sussex Co. New Jersey
The typical occurrence for this magnesium sulfate, only found from the Sterling Mine. Mooreite occurs as clear to whitish transparent pearly platy crystalline coatings on the surfaces of minimally fluorescent ore slickensides, typically covering only one side per matrix specimen. These are larger, older specimens, 4cm to 12cm across @ 25.00, 50.00, and 85.00.

NASTROPHITE- Umbozero Mine, Lovozero, Kola, Russia
This rare mineral occurs here as clear, micro tetrahedrons perched on matrix, most with K-feldspar, aegirine and a variety of other uncommon minerals. Each specimen is nicely arrowed, and 20x will show numerous cubic crystals and aggregates with well developed tetrahedrons abounding. Keep wrapped as supplied to avoid destabilizing the mineral; these solid matrix specimens range from about 1.3cm to 4cm across @ only 35.00, 55.00 and 75.00 each. Excellent quality for this rarity!

OBERTIITE- Bellerberg, Eifel Mts., Germany
This rare mineral occurs here at the type locality as pale pink, thin prismatic micro crystals and/or divergent needle-like groups perched on matrix. Excellent micro potential on each sample, some with tridymite and other phases, the verified species has seen little distribution in the commercial market since its approval in 1998. A moderately unusual amphibole group member, we have several ex-Horvath Collection specimens of superb quality, matrix sizes ranging from about 7mm to 1.5cm @ 65.00, 80.00 and 95.00 each, depending on quality.

OPAL (Black)- nr. Ibarro, Ecuador
From very old stock, just a few available specimens of dark, greyish black opal, these with a small amount of pinpoint scattered fire evident when polished or wet. Obscure locality specimens, sizes average about 3cm across @ 45.00 each.

PHOSPHOPHYLLITE- Mina Unificada, Potosi, Bolivia
Marvelous, gemmy pale green, pure phosphophyllite cleavages without matrix, some showing partial crystal faces but all quite transparent! Rarely available, a small selection of tabular singles is on hand from about 0.5cm to 1cm @ 20.00, 25.00 and 30.00 each, or as larger matrix specimens with less gemmy 1cm+ aggregates, overall measuring about 2.5cm across @ 40.00 each.

RUDENKOITE- 80km SEE of Aldan, Yakutia, Russia
Another NEW SPECIES, this one occurring as tiny, slender, white fibrous aggregates extracted from XRD material and mounted on a 1.3cm black stub. Formula: Sr3Al3.5Si3.5(OH,O)8Cl2*H2O, monoclinic, IMA #2003-060. Type locality, of course, only three available @ 325.00 each.

SCHWARTZEMBERGITE- Viente Cinco Vein, nr. Magallanes, Chile
A moderately uncommon lead iodate mineral, schwartzembergite occurs here as minute yellow to orange-yellow bladed aggregates and platy crystals sparsely scattered on matrix. The specimens were originally mislabelled as perite and are large enough to trim and would likely yield other species as well as more schwartzembergite upon splitting. The locality is in Antofagasta Province, and specimens average 5cm across @ just 55.00 each.

SHIROZULITE- Bikkulovskoe Deposit, So. Urals, Russia
This moderately new species occurs as minute redish-brown aggregates in thin seams sparsely scattered on dark Mn-ore matrix, here from the second reported locality for the species. Ideal formula: KMn3[Si3AlO10](OH)2, monoclinic, IMA #2001-045, only a few specimens on hand, averaging 1.7cm across @ 245.00 each.

SIDERITE with DOLOMITE.- Schlema, Erzgebirge, Saxony, Germany
Another old classic locality specimen, comprised of numerous wafer-like siderite crystals to 1cm across, richly scattered over micro crystalline dolomite matrix with minor red hematite, a rather handsome specimen, ex-Cilen Collection, size a healthy 9x6cm @ just 85.00.

SIDEROTIL psuedo MELANTERITE- 2700 Level, Cambell Shaft, Bisbee, Arizona
An unusual pseudomorph that surprised us once we figured out what is was! We have extremely friable pale green pseudomorphs of siderotil after octahedral melanterite crystals. Crystals range from 0.2 cm to over 1 cm on edge, and occur either as loose partial crystals to clusters of crystals on a limonitic matrix. We have smaller crystals (0.5 cm) and partial crystals in vials for 15.00 per vial. Larger sized specimens, spray coated to increase stability, sized from 1 cm to 2.5 cm, for 20.00, 30.00, and 45.00 each.

STARKEYITE- Barvue Mine, Barville, Quebec, Canada
Greyish white masses sparsely scattered on rock matrix. These are lean and ugly but an interesting species and locality. Old stock, small fragments in capsule @ 15.00, or as matrix specimens up to 2.5cm @ 25.00 and 35.00 each. List alternates!
TACHYHYDRITE- Stassfurt, Saxony, Germany
From old Cureton stock, we have several small glass stoppered vials of clear to whitish tachyhydrite aggregates sparsely filling the 2.5cm tall vials. An uncommon deliquescent mineral from the classic locality, available at just 20.00 per vial.

THOMASCLARKITE-(Y)- Mont Saint-Hilaire, Quebec, Canada
This rare species occurs as glassy yellow, blocky micro crystals perched on matrix, typically with aegirine, albite and a host of other species. Although approved in 1997, little of the mineral has been available in the market due to its rarity, and we have only a few excellent, well crystallized samples (ex-Horvath Collection) available, all with superior micro potential. Matrix sizes range from about 1cm to 2.5cm and are offered at 75.00, 100.00 and 125.00 each. Type locality, of course!

TODOROKITE in OPAL- Brosso Mine, Ivrea, Torino, Italy
An interesting occurrence for a typically ugly mineral, todorokite occurs here as black, somewhat dendritic-like inclusions in a creamy white opal matrix. Collected more than 25 years ago, the species is rarely available in anything other than non-descript sooty masses and aggregates, and these might even be cutable for those so inclined. Specimens are offered either as thumbnails @ 10.00, or as solid chunks in the 5cm-6cm range @ 30.00 each. Limit one per customer, please.

TYROLITE- Majuba Hill, Pershing Co., Nevada
From an old find, we have a small lot of interesting tyrolite specimens, occurring here as pale blue aggregates and flattened radiating sprays lightly scattered on vuggy quartz/copper ore matrix. A variety of micro "finds" are possible here as potential associations are prolific at the locality. Specimen sizes range rom about 2cm to 5cm across, offered at just 8.50, 15.00, 25.00 and 35.00 each, depending on coverage. Excellent locality material!

WIDENMANNITE- Janska Vein, Prokop Mine, Pribram, Czech Republic
Tiny yellow rosettes of this exceptionally rare mineral scattered on matrix. From the 2003 find by Pavel Skacha in central Bohemia, this Pb-UO2 carbonate is missing from most reference collections. Only one specimen available (with a copy of Pavel's label), size about 2cm across @ 245.00.

WURTZITE- Agios Philippos Dep, Kirki, Thrace, Greece
A remarkable hand specimen comprised of numerous, vitreous brown to redish brown wurtzite crystals to 3mm richly scattered in a 4x2cm+ wide exposed veinlet in ore matrix. The locality has produced nearly thirty(30) different species and is the type locality for kirkiite and levyclaudite. An excellent, well crystallized example of the species from this excellent and prolific Pb-Zn deposit, size about 7x5cm @ 240.00. Trim if you dare, in order to find other phases?

YODERITE in TALC- Mautia Hill, Kongwa, Dodoma Region, Tanganyika
Dark bluish black prismatic aggregates of yoderite richly scattered in a pinkish, schistose matrix with minor admixed talc and quartz. When first described, the locality was considered lying within the Central Province of Tanganika, now Tanzania. A moderately rare species, with a copy of an H. Yoder-signed label, sizes range from 1.5cm to 8cm across @ 15.00, 25.00, 45.00, 60.00 and 85.00 each. Type locality, of course!

YOFORTIERITE w/ POLYLITHIONITE- Mont Saint Hilaire, Quebec, Canada
From the original 1960's find, yofortierite occurs as pinkish hair-like fibers intergrown with flaky polythionite, with smaller amounts of other minerals, but often with rather large, globular analcime crystals as well. Fairly rich, colorful and well mixed material from a classic locality. Sizes from 1.5cm to 6cm @ just 12.50, 20.00, 35.00 and 60.00 each.

ZINCOLIVENITE- Kamareza Mine, Laurion, Greece
This NEW SPECIES occurs as minute, glassy green elongated crystals and sections perched in limonitic vuggy matrix, some with minor cuprite and possibly other phases. Formula: CuZn(AsO4)(OH), orthorhombic, IMA #2006-047, a new member of the libethenite group. Type locality material with modest micro potential, matrix sizes from 8mm to 1.4cm @ 90.00, 125.00 and 150.00 each, depending on quality.

BOOKS

MATRIX MAGAZINE- Complete Set of All 49 Issues
The excellent journal MATRIX produced 49 wonderful issues before the untimely death of publisher and co-founder Jay Lininger. The magazine was devoted to "The History of Minerals", or more appropriately, the histories of the collectors and localities of the past. MATRIX was one of the most readable and informative journals of its time, and we have just one complete set available, covering all sixteen years of issues from its inception in 1988 through the final 2004 edition. The set: just 250.00 plus 16.50 s/h in USA.

EPHEMERA

ANGOLAN DIAMOND MINING BOND COUPONS
We stumbled across these recently, all from June, 1934 punched proof sheets of various denomination bond coupons of the Companhia de Diamantes de Angola organization, the Portugese-sponsored group that ran the diamond production and mining operations in Angola from the 1800's until Angolan independance. We offer a nice block of four attached and nicely engraved warrants, overall size about 18cm x 6cm, at just 8.00 per block, 2 blocks of different colors and denominations @ 15.00, or complete folded warrants with 30 coupons measuring 37cm x 29cm @ just 50.00. Neat, historical diamond mining related ephemera!

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