

Mineral List

AENIGMATITE, Eveslogchorr Mountain, Khibiny Massif, Kola Peninsula, Russia. Nice, black prismatic crystals .5" and longer in matrix with minor associated astrophyllite. The albite matrix fluoresces red in shortwave UV light. 1.5" by 1.5" matrix for \$15; 2" x 2" matrix for \$20; and 3" by 2" for \$24.

ALMANDINE GARNETS, Baja California, Mexico. Dark brownish-red over 1.5", almost complete, sharp faces, for \$12.

ALMANDINE GARNETS from the new find at Xinjiang Autonomous Region, China. These are large (1" and bigger) single garnets of reddish brown color with unusual, layered growth patterns, in gray mica schist matrix about 2" by 3" for \$22.50.

AMETHYST, Uruguay. At the end of the Tucson show, we picked out some intensely colored amethyst, with the deep purple color rarely seen in Brazilian amethyst. Because of the color intensity and the unusual forms these have, they are more expensive than Brazilian amethyst of lighter color. We have 2" by 1" pieces for \$12, 2" by 2" stalactitic-type formations for \$50, and 4" by 3" pieces for \$120.

AMETHYST CRYSTALS. We met with the owner of one of the two Bolivian ametrine mines at his office in Barcelona, and obtained from him some wonderful single amethyst crystals from the mine. They are clear quartz at the bottom, and have zones of lovely light purple in the top half or so, excellent faces and terminations, and all have minor dings from the mining process. About 2" high and 1.75" wide for \$16, and bigger for \$20, \$24, and \$40.

AMETHYST, VARIETY "CACTUS AMETHYST," South Africa, our March 2004 featured mineral. We have a new lot of single crystals coated with drusy light amethyst crystals jutting up all over, about 2.5" for \$14.

AMETHYST STALACTITE SLICES, Brazil. We've had these beauties in past years, but no previous batch has been as gorgeous as these! The center core is agate, with amethyst crystals jutting out around the outside edges, and they have been polished. These are suitable as specimens or for use in jewelry. About 1.25" diameter for \$26, \$30, \$36; 2" by 1.5" for \$48; 2.5" by 2" with dark purple crystals for \$80.

ANAPAITE, Crimea, Ukraine. Small clusters of bright green crystals to about ¼" in vugs on matrix about 2" by 2" for \$24 and \$30, by crystal coverage.

ANDALUSITE, variety CHIASTOLITE, Beijing Municipality, China. These are 2" long by 1.25" to 1.5" wide crystals, and the tip has been sliced off and the end polished to show the cruciform carbonaceous inclusions typical of this variety, \$8. We see beads and polished stones of this mineral, so it's nice to see it in its natural form.

ANDRADITE GARNET, Sarbayskiy mine, Rudyi, Kustanay Oblast, Kazakhstan. Clusters of small, intensely black garnets with a slightly elongated form, on matrix about 1.5" by 1" for \$30, and 2" by 2" for \$40. Most garnets are less than .25", and each piece has many of them.

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ARAGONITE, Northern Lights mine, Mineral County, Nevada, our January 2004 featured mineral. Lovely delicate sprays of yellow aragonite on matrix, fluoresces and phosphoresces yellow/green under shortwave UV light. About 2" by 2" for \$16.50, and 2" by 3" for \$22.50.

ARAGONITE, Molina de Aragón, Guadalajara, Castile-La Mancha, Spain, type locality. Excellent 1" barrel shaped crystals of brown for \$8, groups for \$12, and slightly bigger for \$12 and \$14.

"The discovery of **ARROJADITE** [$\text{KNa}_4\text{Ca}(\text{Fe}^{2+}\text{Mn}^{2+})_{14}\text{Al}(\text{PO}_4)_{12}(\text{OH},\text{F})$] in the Yukon is significant because it marks the first time this species has ever been found outside a granite pegmatite environment, and it represents the second known occurrence of individual, euhedral crystals," says the *MR*. Pieces on matrix up to about 1½" by 1½", with clusters of very small, olive-green arrojadite crystals for \$30.

ARSENOPYRITE, SIDERITE, QUARTZ, Nandan, Guangxi Province, China, attractive combination specimens with sharp .25" to .5" metallic gray arsenopyrite specimens and root beer brown siderite crystals, along with occasional quartz, too-very attractive composite pieces! About 2" by 1" for \$15, and \$30; 2" by 3" for \$35, and \$40, by size.

ASTROPHYLLITE, Kola Peninsula, Russia. We featured these attractive specimens in July 2001 and were happy to pick up another small lot from one of our Russian contacts. As the photo shows, the astrophyllite (pronounced a-STROF-a-lite) forms as lustrous reddish-brown needle-like crystals in white feldspar matrix. We have 2" by 3" specimens for \$30, \$37.50, and \$45; and a couple of larger pieces about 4" by 4" for \$60.

ATACAMITE, Mina La Farola, Tierra Amarilla, Copiapo Department, Chile, Sept 1999. Large matrix pieces about 4" by 3" with lots of intensely green needle-like crystals on a layer of green malachite for \$30 and \$40 by quality.

AUGELITE, Rapid Creek area, Yukon, Canada. About 2" by 2" with lots of lovely little light green crystals for \$24 and \$36.

AURICHALCITE, Mina Ojuela, Mapimi, Durango, Mexico, small sprays of light green fibrous crystals on earthy matrix. 2" by 2" matrix pieces for \$16 and \$20, 2½" by 3½" for \$24, \$30.

AZURITE AND MALACHITE, Blue Jay mine, Lemhi County, Idaho, our December 2004 featured mineral, colorful drusy coating on matrix about 2" by 3" for \$16.

AZURITE & MALACHITE, Liu Feng Shan mine, Anhui Province, China. Minute crystals of intensely blue azurite crystals with small amounts of associated green malachite, on matrix about 2.5" by 2" and slightly larger, for \$30, \$32, \$36, and \$40, by size/quality. Beautiful!

BADDELEYITE, Myanmar, [ZrO_2], small crystals of an intense dark green color, beautiful sharp crystals about ½" long and ⅛" to ¼" wide for \$24.

BARATOVITE [$\text{KLi}_3\text{Ca}_7\text{Ti}_2(\text{Si}_6\text{O}_{18})_2(\text{OH},\text{F})_2$], **FLUORESCENT**, Dara-i-Pioz Glacier, Alayskiy (Alai) Range, Tien Shan Mts, Tajikistan, type locality. Pearly white mica-like crystals in syenite. The baratovite fluoresces whitish-pink in shortwave UV light. 1.5" by 1" piece for \$24, 2" by 2" for \$36.

BARITE, Mianyang Prefecture, Sichuan, Southwest Region, China. 2" by 2" matrix pieces with sharp, well-terminated flat crystals of brownish-yellow color, a recent find for \$20.

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BENITOITE, Benitoite Gem Mine, San Benito County, CA, the California state gemstone. We have matrix pieces with excellent crystals with great color and form from \$350 to \$500 and up—call or E-mail for more info.

BOBIERRITE, Zheleznyi Mine (Iron Mine), Kovdor Massif, Kola Peninsula, Murmanskaja Oblast', Russia. Pearly white crystals in dolomite matrix about 1.25" by 1.25" for \$26.

BOURNONITE, Yaogangxian, Hunan Province, China. Excellent, sharp, metallic black crystals, no matrix, about .5" for \$18, about 1" for \$22, and bigger for \$30, \$32, \$40.

BRAZILIANITE, a number of very small, clear crystals about 1/16" on 1" by 1" matrix from Rapid Creek, Yukon, Canada, where our April 2005 augelite specimens originated, for \$20 and \$24.

BROCHANTITE, Morenci Mine, Greenlee County, Arizona, small sprays of forest-green fibrous crystals on light green and white matrix, about 2" by 3" to 2½" by 3½" for \$12 and \$14.

BULLSEYE FLINT, S'rodborze, Tarnobrzeg, Podkarpackie, Poland. Also cut into slabs and polished. Agate-like swirls and bands in soft shades of beiges, tans, and browns. 2" by 3" slabs for \$20; 5" by 3" slabs for \$40 and \$50; 6" by 4" and bigger for \$60, \$70, \$80; one large slab 8" by 10" for \$120 and one large slab 8" by 12" for \$200. Email us for a scan.

CALCITE, Elmwood Mine, Carthage, Smith County, Tennessee. Doubly terminated, translucent scalenohedral (dogtooth-shaped) crystals with a slight yellowish hue, about 1.5" across for \$14.

CALCITE PHANTOMS, Santa Eulalia District, Mun. de Aquiles Serdán, Chihuahua, Mexico. Nice dogtooth shaped crystals, some clear, some reddish-brown. What makes these unusual is that the previous calcite crystals growth underneath fluoresces! 2" by 3" for \$16, \$20, \$36.

CALCITE-REPLACED AMMONITES, Madagascar, our October 2002 featured mineral. We just uncovered these fossils left over from 2002, cut in half and polished to show off their beauty. Smaller pairs (about 2" high by 1.5" across) for \$16 pair, and larger (about 3" high by 2") across for \$22.50. We also have exceptional large pairs 3" to 4" across each for \$60, \$70, and \$90 that would make amazing display pieces, and large pieces 6" across and bigger for \$300 to \$400. Email if you'd like a scan of a pair!

CARNELIAN, Madagascar. Polished pebble-shaped pieces with beautiful bands of red, beige, and white. We sold a lot of this material wholesale in Tucson. About 2.5" by 2" for \$14, with fist-size polished chunks about 3" by 3" and bigger for \$30 and \$40, by size/heft.

CELESTINE, Sakoany Mine, Sofia Region, Mahajanga (Majunga) Province, Madagascar, our December 2000 featured mineral (More commonly known as celestite in this country, but celestine is the officially accepted name, and prettier.) About 2.5" by 3" to 3" by 3" with lots of pretty blue crystals on matrix for \$24, and larger for \$30, \$32, \$48, and \$54.

CHALCOPYRITE AND QUARTZ, Peru, our November 2003 featured mineral. Small, brassy-colored chalcopryrite crystals sprinkled among needle quartz, on a metallic matrix of sulfide minerals about 2" by 3" for \$20 and \$30 by quality.

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CHRYSOBERYL, Emerald mines, Malyshevo, Sverdlovskaya Oblast', Urals Region, Russia. Small, light green, twinned crystals on shiny gray phlogopite matrix. 1" by 1" matrix for \$20, 1" by 2" matrix for \$26. Sorry, they're not the alexandrite variety!

CHRYSOCOLLA $[\text{Cu,Al}]_2\text{H}_2\text{Si}_2\text{O}_5(\text{OH})_4 \cdot n\text{H}_2\text{O}$, Reward Mine, Inyo County, California. Layers of light blue crystals on matrix about 2.5" by 2" for \$16, 3" by 2" for \$24. Same size but with colorless calcite on top for \$30.

CHRYSOCOLLA AND MALACHITE, Shaba Copper Belt, Shaba, Congo. Bright blue, massive chrysocolla and fibrous green malachite together on matrix about 1.5" by 2" for \$12.

CINNABAR, China, our February 2004 mineral, new lot of nice specimens, good sharp crystals on matrix. 2" by 2" matrix for \$16, and slightly larger matrix for \$20.

Citrine, Madagascar. Natural, unheated citrine crystals with light yellow color and good terminations, polished, about 1" to 1.5" high by .5" to 1" wide for \$12 each or 3 for \$30.

CITRINE, "Lightbrary", Dem. Rep. Congo. These are orangish-brownish crystals about 2" to 3" long with good color, faces, and terminations, in a form that metaphysical adherents are calling "Lightbrary Citrine", for \$20 and \$24.

CLINOHUMITE $[(\text{Mg,Fe}^{2+})_9(\text{SiO}_4)_4(\text{F,OH}_2)]$, **FLUORESCENT**, Pereval Marble Quarry, Sludyanka (Slyudyanka), Baikal area, Buriatia Republic, Transbaikalia, Eastern-Siberian Region, Russia. Yellow plates that fluoresce neon yellow particularly in shortwave UV light but also in longwave, in a white marble matrix. Small matrix pieces about 2" by 1.5" with less fluorescence for \$16, larger pieces with more for \$24.

COBALTOAN DOLOMITE, KOV pit, Kolwezi, Shaba District, Dem Rep of Congo, Aug 2002. Hot-pink drusy crystals on matrix, about 1.5" by 1" to 2" by 1.5" for \$10, \$12, \$14.

COPPER NUGGETS, Upper Michigan. Polished and coated nuggets (so they won't tarnish immediately) about 1.5" by 2" for \$6, 3" by 1.5" for \$12, and 3" by 3" and bigger \$18.

COPPER SPHERES, Man-made for an industrial application, almost completely pure copper, and very heavy! 1.5" diameter for \$16; 2" diameter for \$25.

CORUNDUM, var. SAPPHIRE, Karelia, Russia. Sharp, hexagonal crystals with gray-blue color and sharp terminations about .25" long, in schist matrix. 1" by 1" matrix for \$15, 1.5" by 1.5" for \$22.50, larger for \$30.

CUPRIAN ADAMITE is colored green or blue by the presence of copper atoms partially substituting for zinc in adamite's crystal structure. We have some matrix pieces about 2" by 1.5" with small balls of green cuprian adamite crystals on them for \$40; and cuprian adamite on larger matrix pieces about 2" by 2" for \$50 and 3" by 2" for \$60.

DENISOVITE, Yukspor Mountain, Khibiny Massif, Kola Peninsula, Russia. Silky white and gray fibrous crystals in matrix, about 1" by 1" for \$20, bigger for \$25.

DANBURITE, Charcas District, San Luis Potosi, Mexico, our February 1999 featured mineral. 2" clear single crystals with wedge-shaped terminations, different from what you normally see from this site, \$8, or \$90 per pound.

DANBURITE IN MATRIX, from Cochabamba Department, Alto Chapare, Bolivia. Small gray danburite crystals up to $\frac{3}{4}$ " by $\frac{1}{2}$ " with excellent terminations in a gray matrix composed of fine grained gypsum, dolomite, feldspar clays, etc, leftover from a Precambrian metamorphosed salt dome. Matrix pieces up to $2\frac{1}{2}$ " by $3\frac{1}{2}$ " for \$12.

DINOSAUR BONE FOSSIL, Utah. Polished slices showing some cellular structure, in shades of mostly red with gray. Small pieces about 1.5" by 2" for \$15, and larger pieces about 2" by 3" and a little larger for \$20.

DIOPTASE, Altyn-Tube, Karganda Oblast', Kazachstan, Sept 2001. Intense green drusy crystals on matrix about .75" by .75" for \$18, 1.75" by 1" for \$30.

DRAVITE TOURMALINE crystals from Yinnietharra Station, Australia, purchased or collected in 1969. These are well-formed brown crystals about $1\frac{1}{2}$ " by $\frac{3}{4}$ " for \$16 and one bigger, better for \$30.

ELPIDITE [$\text{Na}_2\text{ZrSi}_6\text{O}_{15}\cdot 3\text{H}_2\text{O}$], **FLUORESCENT**, Alluiyu Mountain, Lovozero Massif, Kola Peninsula, Russia. Clusters of long, thin, hay-like fibers that fluoresce green under shortwave UV light. Small clusters about 1.5" by 1" for \$20, 2" by 2" matrix pieces with shorter crystals for \$24.

EPIDOTE, Bilalma near Murgab, Eastern Pamir Mountains, Tajikistan. Lustrous, striated, prismatic greenish-black single crystals with excellent terminations and no matrix, about .75" high for \$20.

EPIDOTE, Bendoukou, Sandare District, Kayes Region, Mali. Black crystals, many of them doubly-terminated! We have small single crystals about $1\frac{1}{4}$ " long to $2\frac{1}{4}$ " long by $\frac{1}{2}$ " to $\frac{7}{8}$ " wide for \$10, \$12, \$16, and \$20, by size/quality. We also picked out black **epidote** in clusters about $1\frac{1}{2}$ " by $1\frac{1}{2}$ " up to $2\frac{1}{2}$ " by $2\frac{1}{2}$ " for \$10, \$16, \$20, \$24, \$26, and \$30, again by size/quality.

ENHYDRO AGATE, Fontuero Xavier, Rio Grande do Sul, Brazil, polished pieces of beautifully banded agate with water trapped inside! This is the same mineral fluid from which the agate crystallized. Each piece has bands of translucent gray and other colors, and when held to a light, you can easily see the fluid sloshing around inside. We have pieces about $1\frac{1}{2}$ " by 1" to $1\frac{1}{4}$ " for \$16, and larger pieces about 2" by $1\frac{1}{2}$ " for \$20. Only a small amount left.

ENSTATITE, Myanmar, [$\text{Mg}_2\text{Si}_2\text{O}_6$] as beautiful green crystals about $\frac{3}{4}$ " to 1" high and $\frac{3}{8}$ " to $\frac{1}{2}$ " wide, nice crystals & terminations, for \$20.

EUDIALYTE, Kipawa Complex, Quebec, Canada, our April 2002 mineral. Boy we wish we could more of this beautiful and rare sugary-pink mineral, but the sight is closed and looks to remain that way for the foreseeable future. We found a flat left over from 2002, with pieces about 1" by 1" to 2" by 2" for \$12 and \$16, by size. All have other rare minerals associated, including the rare mineral agrellite, which fluoresces magenta under shortwave UV light. Please specify "with agrellite" if you would like such for \$20.

EUDIALYTE CRYSTALS, Rischorr Mountain, Khibiny Massif, Kola Peninsula, Murmanskaja Oblast', Russia. Yes, we said crystals! We've handled lots of grainy eudialyte, but these have faces you can examine. Small, dark red crystals, no matrix, about .75" by .75" for \$28.

FEDORITE, Murun Massif, Yakutia, Russia. Tan, platy crystals in matrix of very light purple charoite matrix about 1.5" by 1" for \$22.50. Slightly larger without charoite for \$25.

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FENAKSITE, Rasvumchorr Mountain, Khibiny Massif, Kola Peninsula, Murmanskaja Oblast', Russia. Small, light brown plates mixed in rischorite with aegirine and grey delhayelite that fluoresces orange in longwave ultraviolet light. 1" by 1" pieces for \$16 and \$20.

FERRO-AXINITE, Pouyva (Puiva) Mine, Saranpaul, Polar Urals, Russia, as glassy brown single crystals about 3" by 1" for \$30.

FLUELLITE ON WAVELLITE, Willard Mine, Pershing County, Nevada. Small (4mm or less) clear crystals on light green wavellite balls, matrix about 2" by 2" for \$10.

FLUORITE, Esperanza mine, near Melchor Muzquiz, Coahuila, Mexico. Modified cubes of intensely dark purple that we first thought must be from the now-closed fluorite mines of southern Illinois! About 2" by 3" and slightly larger clusters, without matrix, for \$24 and \$32; 4" by 4" and larger for \$40 and \$48.

FLUORITE, China, polished, rectangular pieces with rounded edges and great color, purple and green together, suitable for wire jewelry or as specimens. 1" by .5" for \$4; longer and wider for \$6 and the best for \$10. Call or Email for a quantity discount—we have lots.

FLUORITE, Denton Mine, Harris Creek District, Southern Illinois. The mines are all closed in this famous fluorite area, so we were happy to get a few of these before they are gone. 3" by 2" clusters of dark purple cubic crystals for \$28, \$36, \$40.

GASPEITE, 132 North deposit, Widgiemooltha, Western Australia. Small veins of this creamy green mineral, now used for very expensive beads and cabochons, in brown matrix about 2" by 1" for \$12, and a couple of 3" by 2" for \$24.

"GLEDONITE," CALCITE PSEUDOMORPH AFTER IKAITE, Olenitsa River, Kola Peninsula, our September 2003 featured mineral. Tan concretions about 1.5" to 2" with brown crystals jutting out for \$24.

GOLD, Round Mountain District, Nye County, Nevada, about .5" by .25" to .75" by .5" for \$30, \$40, \$48, \$60, \$70, \$110. These pieces have a high silver content, resulting in a different shade of gold.

GÖRGEYITE, Inder Lake, near Guries city, Kazakhstan. Yellowish, thin, tabular crystals that fluoresce bright yellow in short- and longwave UV light, 1" by 1.5" for \$25, 2" by 2" for \$30.

GORMANITE $[\text{Fe}^{2+}_3\text{Al}_4(\text{PO}_4)_4(\text{OH})_6 \cdot 2\text{H}_2\text{O}]$ is one of the minerals first discovered at Big Fish River. It forms as flattened, blue, radial sprays on fracture surfaces and as radial aggregates of blue-green crystals. Matrix pieces up to about 3" by 1½", for \$24, and one extra quality piece for \$60.

GMELINITE-NA, Sokolovskoe Iron Mine, Rudnyi Altai, Qostanay Oblasy, Kazakhstan. Small, blocky peachy-colored crystals on matrix, good coverage. 1" by 1" for \$12.

GROSSULAR GARNETS, Kayes Region, Mali. Highly attractive single garnets (no matrix) with lime-green to apple-green color and excellent crystal form, some incomplete enough to allow you to see the dark core underneath! About 1.25" by 1.25" to 1.5" by 1.5" for \$20 and \$24, about 1.75" by 1.75" for \$30.

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GROSSULAR GARNETS, Lake Jaco, Chihuahua, Mexico, over 1" across with sharp faces and no matrix, for \$8.

GROSSULAR GARNET, Sierra de la Cruz, Coahuila, Mexico, our December 2002 featured mineral. These are the raspberry-colored garnets in a highly breakable white matrix. The garnets, some as big as ½" across, are not formed completely, revealing a black inner core, reflecting a change in the garnet's composition as it grew. 2" by 3" matrix pieces are available for \$22.50 with smaller matrix for \$16.

GYPSUM, Red River Floodway, Winnipeg, Manitoba, Canada, May 2001. Clay-centered ball-shaped clusters of dark yellow crystals jutting out all around, about 2" in diameter, with a swallowtail-twinned pair of light-colored crystals on top-beautiful!-for \$24, and bigger/better for \$34 and \$40.

GYPSUM, VARIETY SELENITE, Willow Creek, Alberta, Canada. Water-clear, doubly-terminated crystals of **SELENITE** from about 1½" long for \$8 and \$10 by size. Hourglass-shaped fluorescence under SW light!

HACKMANITE [$\text{Na}_8\text{Al}_6\text{Si}_6\text{O}_{24}\text{Cl}_2$], **FLUORESCENT**, Hackmanite Stock (Pegmatite No. 62), Karnasurt Mt, Lovozero Massif, Kola Peninsula, Russia. Hackmanite fluoresces orange in longwave UV light; turns purple in a few minutes under short- or midwave UV light, then loses its color after a few minutes in sunlight! 2" by 2" for \$12.

HETEROSITE, Berg, Solleftea, Sweden. Ugly brown masses in 2" by 1" matrix \$6. This forms a series with purpurite and turns purple when treated with acid.

HOLTITE, Vasin Mylk, Voronya Tundra, Kola Peninsula, Russia. Pale violet crystalline granular holtite in pegmatite that fluoresces bright yellow in shortwave UV light. 1" by 1.5" matrix pieces for \$30, 2" by 2" for \$35.

HUBEITE & INESITE, Fengjiashan Mine (Daye Copper Mine), Daye, Huangshi area, Hubei, Central South Region, China. We featured this combo in August 2001, before hubeite had even been published as a new mineral! The write-up contained the documents submitted to the IMA with the original specimens, so you'll receive them too if you order one of these. We have a few matrix pieces left with very small needles of root beer brown hubeite crystals and brownish-pink inesite, about .75" by .75" for \$16, 1" by 1" for \$22.50, 2" by 3" for \$30.

HYDRODELHAYELITE [$\text{KCa}_2\text{AlSi}_7\text{O}_{17}(\text{OH})_2 \cdot \text{H}_2\text{O}$], **FLUORESCENT**, Rasvumchorr Mt, Khibiny Massif, Kola Peninsula, Russia, type locality! White, platy crystals that fluoresce orange in longwave UV light. Smaller matrix pieces about 2" by 1.5" with less fluorescence for \$12, larger with more fluorescence for \$20.

IMPERIAL TOPAZ, Rodrigo Silva, Minas Gerais, Brazil, March 2001. 1" crystals with good color and terminations for \$22.50, slightly smaller for \$12, and larger for \$60, \$80, \$100.

JET, Mongolia. We are one of the few sources for this rare lightweight black stone, related to coal. We have 1 pound bags of tumble-polished stones for \$24, and for those who might want it in bulk, 4.4 pound (2-kilo) bags for \$68. We have three size ranges: Small, about 1" by 1" to 1.5" by 1.5"; Medium, about 1.5" by 1.5" to 2" by 2"; and Large, about 2" by 2" to 3" by 2.5", so let us know if you want a certain size, or just a mix. It's light, so you get lots!

JET BEADS, Mongolia. We have several new jet beads styles available at low prices. You can see these on our web site or call us for a price list.

KHAIDARKANITE, Khaidarkan, Kyrgyzstan, type locality! Bright blue, turquoise-colored acicular radial sprays on matrix. About 1" by 1" for \$30 or 1.5" by 1.5" matrix for \$35.

KOVDORSKITE, Kovdor massif, Khibiny Massif, Kola Peninsula, Russia. Pale rose-colored single prismatic crystals about .75" long with good terminations for \$16, smaller for \$12.

KYANITE, Khit Island, Karelia Republic, Russia, Oct 2004. Dark blue blades frozen in a sparkly matrix of white quartz, black biotite, and reddish brown garnets and staurolite, about 2" by 1.5" for \$18, 2.5" by 1" for \$30, and 3" by 2" for \$36, one larger for \$50.

KYANITE, Sao Jose da Safira, Minas Gerais, Brazil, our May 1996 mineral. Cluster of long thin blue blades jutting out in every direction. About 3" by 4" for \$35, 4" by 4" and larger for \$50 and \$60.

KYANITE, India. We saw these for the first time, a few months ago, and they are stunning-polished rounded blades of stunning blue color, translucent when held against a light! About 2.5" long and .5" thick, for \$30; a little smaller for \$24.

LABRADORITE, Madagascar, our April 1997 mineral, thin slabs polished on one side to show off its unique iridescence, 2" x 2" to 2" x 3" and larger, for \$12, \$14, and \$16.

LAMPROPHYLLITE, Malyi Punkaruai Mt., Lovozero Massif, Kola Peninsula, Murmanskaja Oblast', Russia. Sprays of brown needle-like crystals in matrix about 1" by 1" for \$16, or 2" by 2" for \$22. The matrix on some has slight orange fluorescence under longwave UV light.

LARIMAR [$\text{NaCa}_2\text{Si}_3\text{O}_8(\text{OH})$], Filipinas Larimar Mine, Los Checheses, Sierra de Aoruco, Barahona Province, Dominican Republic. Beautiful polished slices of light-blue Larimar showing the dark outer matrix on the edges. 1.5" across for \$30, 2" for \$36.

LARGE & UNUSUAL SPHERES & EGGS, various localities:

Ruby in fuchsite spheres, India, 2" diameter \$40.

Pyrite spheres, Peru, 2" to 2.25" diameter with crystal-lined openings, \$50, \$60, \$70

Picasso Marble eggs, Utah, 2.25" high by 1.75" wide, \$28

Eudialyte Egg, Canada, 2" high by 1.5" wide, \$200

Eudialyte Egg, Russia, 2" high by 1.5" wide, \$200

Eudialyte Spheres, Russia, 2.5" diameter, \$300; 3.5" diameter \$350

Kyanite Egg, Russia, 2.5" high, 1.75" wide, \$160

Kyanite Sphere, Russia, 3" in diameter, \$350

LARIMAR, the beautiful sky-blue stone from the Dominican Republic, actually the mineral pectolite in chalcedony quartz. 2" by 2" pieces for \$16, \$20 and \$24.

LEPIDOLITE, various localities, Minas Gerais, Brazil, Jan 2000. Spherical mounds of light purple lepidolite mica about 2" by 3" for \$16, \$18, and \$20, by size/quality. Larger pieces with more typically layered lepidolite with white feldspar, about 3" by 4" and larger for \$24 or 2" by 3" for \$12.

LINARITE, [$\text{PbCu}^{2+}(\text{SO}_4)(\text{OH})$], Reward Mine, Inyo County, California. Small but intensely blue, beautiful crystals on matrix, good coverage-1.5" by 1" matrix \$24, 2" by 3" for \$36.

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LINDGRENITE, San Samuel mine, Chile, as tiny dark green crystals on 1½" by 1½" matrix from Chile, \$24.

MALACHITE, Kolwezi, Shaba Copper Belt, Democratic Republic of the Congo. Polished pieces showing beautiful banding, about 2" by 3" for \$30 and \$36.

MALACHITE (FIBROUS,) OUR FEBRUARY 2002 FEATURED MINERAL From the Democratic Republic of the Congo, these are beautiful specimens of light and dark green with some satiny luster, about 2" by 3" like the specimens we sent Deluxe Club members then, for \$20, with bigger/better quality specimens for \$24, \$30, \$34, \$36

MALACHITE STALACTITE SLICES, Shaba Province, Democratic Republic of Congo. Yes, we love stalactite formations! Incredibly beautiful banded green and black, about 1.5" diameter for \$20 and \$28; 2" diameter \$60, over 3" diameter \$80. Cheryl could wire wrap one in her elegant style for a stunning pendant, in silver or 14-karat gold-filled wire for \$40.

MELANITE GARNET, Bendoukou, Sandare District, Kayes Region, Mali. Melanite is the titanium-rich variety of andradite. We have clusters of small lustrous black garnets on matrix about 1" by 1" for \$6, \$8, \$10, and \$14.

METEORITES, Sikhote-Alin, Russia, our April 2004 featured mineral (Kamacite). We received another batch with smaller pieces, similar to what we sent to Deluxe Club members back in 2004, about 1.5" across and .5" to 1" wide, for \$30. These are from the meteorite that fell to Earth at 10:30 AM, February, 1947—perhaps some remember hearing about it when it happened? We still have a few larger pieces about 2.5" by 1" for \$48. Since we featured these, we have a fascinating write-up to go with them.

METEORITES, Gran Chaco Gualamba, near Campo del Cielo, Argentina. Excellent quality specimens from a new find close to the site at Campo del Cielo, with good fingerprinting from about 3.5" by 2" to 4" by 2.5" for \$90 to \$150, and one larger for \$360. Email us if you'd like photos of these attractive visitors from outer space!

MICROCLINE crystals exhibiting Carlsbad twinning from Colorado about 2" by 1½" for \$12.

MOLDAVITE, Czech Republic, our December 2001 stone, the natural glass believed to have been formed by the impact of the meteorite that created the Ries Crater in southern Germany. A new batch of gemmy green pieces about quarter to half dollar size for \$40 to \$60 to \$80 by weight. You're sure to find the write-up that comes with it quite fascinating!

MONTANA AGATE cabs, 30mm x 22mm for \$15 and 40mm x 30mm for \$24.

NATISITE [$\text{Na}_2\text{TiO}(\text{SiO}_4)$], **FLUORESCENT**, Koashva Mountain, Khibiny Massif, Kola Peninsula, Murmanskaja Oblast', Russia. Discernable only as fluorescent blue specs under short and longwave UV light, in a matrix of green microcline, dark green nepheline, black aegerine, and white feldspar that fluoresces orange under longwave UV. 1" by 1" specimens for \$16, 2" by 1" for \$20, and 2" by 2" and slightly larger for \$25.

NATIVE IRON from the Hungtukun massif, Taymur Peninsula, Russia. These are really rare-- since iron reacts so easily with most other elements, to find it uncombined is quite unusual! These specimens consist of native iron crystals in a diabase matrix (diabase is a dark-gray to black, fine-textured igneous rock composed mainly of feldspar and pyroxene and used for monuments and as crushed stone.) Pieces are mainly iron, with a little diabase, cut and polished, about 2" by 1" for \$40.

Mineral List

NATROSILITE [$\text{Na}_2\text{Si}_2\text{O}_5$], Palitra pegmatite, Kedykverpakhk Mountain, Lovozero Massif, Kola Peninsula, Russia, found not far from the type locality at Karnasurt Mountain. We have transparent, thin, mica-like sheets about 1.5" by 1.5" for \$24, and slightly larger for \$30.

NEPHRITE JADE, Jade Cove, Monterey County, California, our July 2000 mineral. Polished 2" by 2" pieces with good green color for \$12, and larger for \$20.

NORMANDITE, Partomchorr Mountain, Khibiny Massif, Kola Peninsula, Murmanskaja Oblast', Russia. Orange-brown sprays that look like astrophyllite (our July 2001 featured mineral) in white microcline with black aegirine. Pieces about 1" by 1" for \$24, 2" by 2" for \$32.

NORSETHITE [$\text{BaMg}(\text{CO}_3)_2$], **FLUORESCENT**, Kremikovtsi, Sofiya (Sofia) Oblast, Bulgaria. Small groups of white crystals that fluoresce orange-pink in shortwave UV light, on 1.5" by 1.5" brown limonite matrix for \$18, 2" by 2" matrix for \$20, and 2.5" x 2.5" matrix for \$24.

OCEAN JASPER, Madagascar, colorful polished slabs, about 2" x 2" for \$12, \$14, \$16, larger slabs to 6" for \$50 and \$60. Call or Email for a scan of a large piece.

OPTICAL CALCITE, Brazil, almost-clear pieces that show birefringence, or double refraction, i.e., the decomposition of one ray of light into two rays. These are cleaved from large masses and show the rhombohedral form of calcite. 2.5" by 2" pieces for \$16, larger, \$24.

ORPIMENT, Elbruskiy mine, North Caucasus, Russia, May 2005. A bed of very small, very bright orange crystals rising from the matrix—these are simply gorgeous! About 2" by 1.5" matrix for \$40, twice as big matrix for \$80, \$90, \$100.

PECTOLITE, variety **LARIMAR** [$\text{NaCa}_2\text{Si}_3\text{O}_8(\text{OH})$], Filipinas Larimar Mine, Los Checheses, Sierra de Aoruco, Barahona Province, Dominican Republic. Beautiful polished slices of light-blue Larimar showing the dark outer matrix on the edges. 1.5" across for \$30, 2" for \$36.

PLATINUM, Konder mine, Aldan shield, Sakha Republic, Russia. Small, somewhat-deformed cubes of this valuable metal. About $\frac{1}{8}$ " for \$50 or about $\frac{3}{8}$ " for \$70 and \$80.

PREHNITE, Bendoukou, Sandare District, Kayes Region, Mali, our September 2005 mineral. 1"-2" puffy balls of lovely green crystals, some with epidote, for \$20 & \$24 by quality.

PYRITE, Victoria mine, Navajun, Spain, March 1996/2006, from our recent trip! Highly symmetrical cubes about .75" on matrix about 2" by 2" for \$22.50; or for the same price you could specify 2" by 2" matrix with a couple (or more) of smaller cubes. We have large matrix pieces with much larger cubes from \$60 to \$550, and multiple intergrown and twinned cubes, on and off matrix, from \$60 to \$950. Call or Email us for photos.

PYRITE-REPLACED AMMONITES, Russia, These are the best we've ever seen—the chambers are very complete, and some of the pyrite crystals are iridescent! They go from about 2" high by 1.75" wide to 2.5" by 2" for \$50, \$54, and \$60; and larger, about 2.75" by 2.25" wide for \$100, \$110, and \$150.

PYRITE EGGS & SPHERES, Peru. These have been available for a couple of years now, and what makes these so cool is that the surface is never solid—these have lots of natural openings where the pyrite crystals are visible, and with the bright brassy metallic luster, these are very popular at shows. Eggs about 2" high and 1.5" wide for \$30 and \$36, 3" high for \$70; 2" diameter spheres for \$60 and \$70.

QUARTZ WITH EPIDOTE, an exciting new find from Sichuan Province, China. These are clusters of well-formed quartz crystals, with sprays of green epidote interspersed between and on the quartz, a beautiful combination. We have 3" by 4" pieces for \$30, \$36, \$56, and \$60, and a couple with just pretty quartz and no epidote for \$24.

QUARTZ WITH HEMATITE, Jinlong, Longchuan, Guangdong Province, China. Long, thin, sharp, clear quartz crystals, with groups of flat, gray hematite crystals at their bases, a neat combination. Some of the quartz crystals look like they have been affected by natural tectonic movement, and have healed themselves! Longest quartz crystal in the group from about 3" to over 4", for \$60, \$70, \$80, and \$90, by size.

RARE, UNUSUAL TUMBLED STONES. We have the following available in good-sized, good quality pieces. The first price is for 1 stone, the second for a half pound bag, and the third for a 1 lb bag, which will contain a number of pieces—a good deal since we pay for shipping in the U.S! Mix and match—take 20% if you order a total of 12 or more singles pieces. Call or Email for special discounts us if you need a larger quantity.

Pink Opal-Peru \$6, \$26, \$45
Chrysocolla-Peru \$6, \$39, \$70
Ruby in fuschsite-India \$4, \$29, \$50
Bloodstone-India 3 for \$1, \$19, \$30
Jet-Mongolia \$2, \$16, \$24
"Seraphinite" (Clinochlore, our Dec 2005 Mineral) \$5, \$34, \$60
Chevron Amethyst-Peru \$3, \$19, \$30
Rhodonite-Peru \$3, \$19, \$30
Ruby-India (Fluorescent) \$6, \$49, \$90
Gem Sunstone-India \$3, \$49, \$90
Red Jasper-South Africa \$1, \$14, \$20 (Not so unusual)
Tiger-eye-South Africa \$3, \$19, \$30 (Not so unusual)
Quartz crystals-Diamantina, Brazil \$.50, \$12, \$20 (Not so unusual)
Leopardskin Jasper-Peru \$2, \$19, \$30 (Not so unusual)

REEDMERGNERITE [$\text{Na}_2\text{BSi}_3\text{O}_8$], **FLUORESCENT**, Dara-i-Pioz Glacier, Alayskiy (Alai) Range, Tien Shan Mts, Tajikistan. Salmon-pink platy crystals of this rare feldspar group mineral that fluoresces green in shortwave UV light, along with quartz and microline (which fluoresces red in SW.) 1.5" by 1" pieces for \$12, 2" by 1.5" for \$15.

RHODIZITE, Tsilaizina, Antananarivo Province, Madagascar. Light yellow/light green .5" crystals in matrix with other colorful minerals. 1" x 1" matrix to 2" x 2" for \$20 and \$30.

RHODOCHROSITE, La Capillita mine, Catamarca Province, Argentina. Polished thick slices showing the gorgeous pink and white banding of the stalactitic formation. About 2" by 3" for \$60 to \$80, by quality. We also have some larger, exceptional slices, about 6" across and larger, for \$450 and up. Email for a scan if you'd like to see one.

RHODOCHROSITE, Sweet Home mine, Alma, Park County, Colorado. Since the mine is closed, we pick up any reasonably priced gemstones we can find. We have faceted stones from .79 carat to 4.64 carats from \$140 to over \$800. Call or Email for details. And we still have some crystals with high quality color and crystal form on and off matrix from \$150 to \$600—again, call or Email for info.

RUTILE ON HEMATITE, our June 1999 mineral. These are small but nice specimens of golden rutile needles on hematite from Brazil, about 1/2" high to 3/4" high, mounted on plastic stands, for \$20 and \$25.

SAND DOLLAR FOSSILS, Madagascar. Nice quality and detail, about 2.5" by 2.5" for \$16, 3" by 3" for \$20.

SANTABARBARAITE, Kertchenskoye deposit, near Kertch, Crimea peninsula, Crimea Oblast', Ukraine. Dark brown sprays in light brown limonite or shell matrix about .75" by .75" for \$22, or 1.25" by 1.25" matrix for \$30.

SCHALENBLLENDE, Olkusz, Malpolskie, Poland. This is a very heavy, banded mixture of cream-colored sphalerite, metallic gray galena, and brassy marcasite, forming fascinating patterns like those found in beautiful banded agate. It's cut into slices and polished to show it off best. Email us if you'd like a scan of the material to see beautiful it is. 2" by 2" pieces are \$16, slightly smaller for \$12; 2" by 3" are \$24 and \$30; 4" by 4" to 5" by 3" are \$40 and \$50; Biggest and best are \$100.

SHARK TOOTH FOSSILS, Khourigba, Morocco, very complete, about 2.5" high by 2" wide for \$16, 3" by 2" for \$20.

SHUIKITE, Saranovskoe deposit, Ural Mountains, Russia. Very small, purple-brown needle crystals on chromite matrix with minute, bright green uvarovite crystals. You'll need your 10x loupe to see these beauties! We featured uvarovite garnet in Feb, 2001, so we'll include its write-up with these. 1" by 1" matrix pieces for \$20, smaller for \$15, larger for \$30.

SIDORENKITE, Alluaiv Mountain, Lovozero massif, Kola Peninsula, Russia. Small, prismatic pink crystals frozen in matrix about 1.5" by 1.5" for \$20 and 2" by 2" for \$24.

SMOKY QUARTZ, Rosario Gold Mine, Oruro Deposit, Bolivia. Clusters of very good crystals with light smoky color, overall size about 2" by 3" to 3" by 4" for \$30 and \$40.

SMOKY QUARTZ, Saline Valley, Inyo County, CA, in pairs of left- and right-handed crystals about 1 1/2" long mounted on a styrofoam base for \$12.

SODALITE [$\text{Na}_8\text{Al}_6\text{Si}_6\text{O}_{24}\text{Cl}_2$], **FLUORESCENT**, Kukisvumchorr Mt, Khibiny Massif, Kola Peninsula, Russia. Patches of pink sodalite (fluoresces purplish-pink in shortwave UV light) in white feldspar (fluoresces orange in longwave UV light.) When left in a dark environment for a couple of weeks, the sodalite loses its color, then regains it after a few moments in sunlight or under shortwave UV light! 1.5" by 1" pieces for \$10 and 1.5" by 1.5" for \$14.

SODALITE variety HACKMANITE [$\text{Na}_8\text{Al}_6\text{Si}_6\text{O}_{24}\text{Cl}_2$], **FLUORESCENT**, Hackmanite Stock (Pegmatite No. 62), Karnasurt Mt, Lovozero Massif, Kola Peninsula, Russia. Hackmanite fluoresces orange in longwave UV light; turns purple in a few minutes under short- or midwave UV light, then loses its color after a few minutes in sunlight! 2" by 2" for \$12.

SPHALERITE (GEMMY!), Spain. The mine that this marvelous material comes from is closed, flooded, and on public land—a triple whammy that means it will probably never be collected again. We picked up about a kilo of cutting rough for 25¢ gram, and some polished slabs that are gorgeous and expensive—call or Email for details.

SPINEL, Luc Yen, Yenbai Province, Vietnam. We have small red octahedrons, not quite perfectly formed, but very nice, on white marble matrix about 2" by 2" for \$16 and \$24.

STAUROLITE, Kola Peninsula, Russia, May 2000. Cross-shaped twins on white mica schist matrix, suitable for jewelry. .5" diameter matrix for \$15, .75" by .5" oval matrix for \$20.

SULFUR, El Desierto Mine, Bolivia, our May 2004 featured mineral. Lots of bright yellow crystals on matrix, 4" by 3" for \$24 and \$36; gemmy (!) crystals for \$60 and \$70. Email or call if you would like a photo.

SYNGENITE, Kalusa Salt Deposit, Ivanovo-Frankovsk Oblast', Ukraine. Colorless crystals with good faces in small clusters about 1" by 1" for \$24, and 1.5" by 1.5" for \$30.

TEKTITE, Maoming City, Guangdong, China, our Nov 1999 mineral. Nice, clean, black pieces of natural glass formed by the impact of a meteorite—the accompanying write-up has the details. Teardrop or dumbbell shaped specimens about 2.5" to 3" long for \$24, much bigger for \$36 and \$50 with fascinating shapes.

THENARDITE, our August 1999 featured mineral, from Soda Lake, right here in our home county of San Luis Obispo, California. This evaporative mineral $[\text{Na}_2\text{SO}_4]$ is one of the rarer we have featured. Specimens are about 2" by 2" in size, gray in color, \$10.

TRIPHYLITE, Karasu Karavshin, Turkestan Range of Tien Shan, Kyrgyzstan. About 2" by 1.5" matrix for \$16, 2" x 2" and slightly bigger for \$20.

TURQUOISE NODULES, Majkojyn, Kazakhstan. Bright blue turquoise in light brown nodules. 2" nodules with turquoise and matrix throughout for \$25.

UVITE (TOURMALINE), Myanmar, small crystals about 1/2" long and 1/8" to 1/4" wide, with rich green color, nice crystals form, and good terminations, for \$20, \$24, and \$28.

VESUVIANITE, Jeffrey Mine, Quebec, Canada, our March 2000 mineral. Single crystals about 1" long with beautiful light green color and good terminations for \$15 and \$25, suitable for wire jewelry or as specimens; and .5" to 1.5" clusters of small green and purple crystals without matrix for \$20, \$30, \$40, and \$50, by size/color.

VILLIAUMITE, Koashva Mountain, Khibiny Massif, Kola Peninsula, Murmanskaja Oblast', Russia. Dark red crystals about .75" by .75" for \$12, slightly bigger with minor matrix, \$16.

VINOGRADOVITE $[(\text{Na},\text{Ca},\text{K})_4\text{Ti}_4\text{AlSi}_6\text{O}_{23}(\text{OH})\cdot 2\text{H}_2\text{O}]$, Kirovskii apatite mine, Kukisvumchorr Mt, Khibiny Massif, Kola Peninsula, Russia, type locality. Very small columnar crystals of white vinogradovite in microcline matrix (yellow fluorescence in shortwave UV light,) 1.5" by 1" for \$8, 2" by 2" for \$12.

VOLKONSKOITE, Efimyatskaya Mt, Efimyaty Village, Kama River, Okhansk, Permskaya Oblast', Urals Region, Russia. Masses of pretty, intense green volkonskoite from its type locality, about .75" by 1" for \$16.

WARDITE $[\text{NaAl}_3(\text{PO}_4)_2(\text{OH})_4\cdot 2\text{H}_2\text{O}]$, of which the *MR* says: "No other locality has produced such an abundance of fine specimens." Wardite forms here as colorless to white, pale yellow to brown crystals with a pronounced pseudo-octahedral habit. Our specimens are on matrix up to about 2" by 2" to 3" by 1 1/2", for \$24, \$30, and \$36, according to quality.

WENDWILSONITE-ROSELITE, Bou Azzer District, Tazenakht, Ouarzazate Province, Souss-Massa-Draâ Region, Morocco. Small, bright pinkish-red crystals on matrix from the type locality for wendwilsonite. Matrix 2" by 1" for \$20, \$24, \$30, \$40, \$50, \$60, by quality.

WHITLOCKITE $[Ca_9Mg(PO_3OH)(PO_4)_6]$ as flat, translucent white crystals on matrix up to about 2" by 1" for \$24, and a couple of pieces twice that size for \$48.

WOOLLY MAMMOTH HAIR, found with the remains of other animals in permafrost north of Yakutsk, Sakha Republic, Russia. We can put a few strands in a plastic bag for \$5 each, or can weigh out a small hank for \$20, \$24, \$30; or sell it by the gram at \$30/gram-- the hair is lightweight, so you get a fair amount.

WOLFRAMITE, Yaogangxian Mine, Yizhang County, Chenzhou Prefecture, Hunan Prov, China. Groups of shiny metallic-black bladed crystals, no matrix, about 2" by 2" for \$18, \$24, \$36.

WULFENITE as very small, yellow tabular crystals is also found at Ojuela Mine, with very small botryoidal balls of green mimetite. We have matrix pieces about 1.5" by 1.5" with a smattering of very small crystals for \$12, and about 2.5" by 2" matrix with small crystals for \$16 and \$20. These crystals look gorgeous under magnification!

Nice small specimens for young collectors: magnetic **LODESTONE** from Utah, 2" by 2" for \$4; **ULEXITE** (TV rock) from Boron, California, about 1½" by 2" for \$4; **ANTHRACITE COAL** from Pennsylvania, about 2" by 2" for \$4, or 3" by 4" for \$6; Chunks of sparkly light purple **LEPIDOLITE** with embedded small pink **TOURMALINE** crystals from San Diego County, Cal, about 1½" by 1½" for \$3; Bright yellow **SULFUR** crystals about 1½" long from Bolivia for \$6; small blue blades of **KYANITE** 1" high for \$4; bright green cleaved **FLUORITE** octahedrons from China, about 1¼", \$8; A set of each of these \$27.

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September-October 2003 Mineralogical Record is entirely devoted to the Ojuela mine. The magazine contains photos of dozens of exceptional specimens, gives a complete history of the mine, describes in depth all the minerals found at Ojuela, and has accounts by American mineral dealers of their adventures buying adamite and other minerals at Ojuela. One of the most interesting mineral articles we have ever read. 90 pages long with many full color photos of extraordinary specimens and is available for \$20 plus \$3 for shipping.

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