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**100% Effective Natural Hormone Treatment**  
**Menopause, Andropause And Other Hormone Imbalances**  
**Impair Healthy Healing In People Over The Age Of 30!**

**Madagascar Amethyst**

**By Alain Darbellay GGGems**

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(Variety of Quartz)

· Crystallographic properties:

Trigonal System (Subdivision of the hexagonal system)

Quartz forms hexagonal prisms at the blunted ends and the head finishing in hexagonal pyramids.

· Physical properties

Hardness 7

Density 2.65 – 2.66

Refractive Index: 1.54 – 1.55 + 0.009 positive uniaxial

Glare: vitreous

· Chemical Composition: Faceted Amethyst

Silicium Dioxide ( SiO<sub>2</sub> )

The colouring of amethysts is due to the presence of colour centers which come from substitution of ions of

silicon by iron ions in the crystal lattice of quartz.

The amethyst crystallizes at temperatures lower than smoky quartz for example. In Madagascar, we find it either in

the crypts of pegmatites, or in the quartzite veins in connection with those.

The geodes of the siliceous nodules of basalts contain some too.

The first have an hexagonal network, although their pattern of crystallization is only of ternary order.

The seconds

have a ternary network. The elementary mesh is a rhomboedron, i.e. a parallelepiped consisted six equal

rhombuses.

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A ternary axis A3 joint the tops of the regular trihedrons, three normal binary axes A2 with the ternary axis joining the middle of opposite horizontal corners.

Here elements of symmetry of the Trigonal system with the oblique shape, the tetragonal scalenoedron.

It is interesting to see what becomes this tetragonal scalenoedron in others classes where the disappearance of the symmetry planes makes decrease of half the number of the faces. We obtain a trapezohedron

(One notices that these two trapezohedrons are not superposable. It is said that they are two enantiomorphism shapes. They are symmetrical compared to a symmetry plane.)

One speaks about right trapezohedron and left trapezohedron (just as we have a right hand and a left hand,

nonsuperposable thus enantiomorphism).

Certain minerals present sometimes left forms sometimes right forms. The most known example is that of quartz.

The distinction between left quartz and right quartz has a certain importance in the electronics industry where one uses the piezo–electric properties of this mineral.

The negative crystals of hexagonal shape can contain liquids like water, gas, as well as rutile needles, tiny hematite discs, goetite, fushsite or mica.

Inclusions of H<sub>2</sub>O and CO<sub>2</sub> in an amethyst from Madagascar. Habitus type of flattened Dauphiné.

This marvellous Bi–terminated amethyst of 128 grams also contains water drops in its center. Habitus type of rhomboedron.

Enlarge

The amethyst scepters are also typical in Madagascar.

Here, a scepter in the blackberry shape.

## Madagascar Amethyst

There, the stem of the scepter developed by crystallizing around it a quantity of small points in hedgehog. Length:40 mm.

Double scepter.

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Head of scepter: 132 grams

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Amethyst in castle on its quartz gangue. 986 grams.

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The fact that sometimes only a thin surface layer of violet color be presents in the stone or that this color is not homogeneous, makes often a difficult cutting. The art of lapidary is to place the color correctly in order to make homogeneous the tone of the cut stone. The distribution of the color in a cut stone is observed

simply by immersing it in water contained in a transparent container and colourless. The color of amethyst varies from purple reddish to purple bluish while passing by straightforwardly crimsons tone. Thus of very variable intensity, the color is often laid out in stripes parallel to the final faces of the crystal.

Enlarge

| Cutting Styles | Characteristics | Crystalline Systems |

| Amethyst Crystal 1 | Amethyst Crystal 2 | Amethyst Scepter | Faceted Amethyst |

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### **Antique Bracelets Discussed**

**By Rachel Lynn**

When my grand mother died, she left me a beautiful and strange antique amethyst bracelet, having many picturesque stories. The amethyst bracelet is the only object that is following our entire family

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story. It is in our family for generations, as many antiques bracelets are, and this is the reason why it is saved for posterity. This bracelet come from the old world, form the country named today "Czech Republic".

This amethyst bracelet was the only valuable thing that the family had. Her diary was spoken about this beautiful and valuable amethyst bracelet, which her mother used to wear only when she was inside the house. The grandmother used to wear it on her wrist like this for fear of loosing it or having it stolen by someone anywhere else.

My grandmother's earliest memories were about the sun reflecting in a magical way on this antique bracelet's amethyst. Her mother was wearing it when she was rocking on the old creaking rocking chair; the family was in a village three days walk from Prague.

The strange and valuable antique bracelet went back even farther than that, all the way to the marriage of my great great great grandmother. The family was very rich once, and the antique amethyst bracelet was a wedding gift to my ancestor by a noble duke.

The family was so rich that she controlled once a half of a fertile and rich region. My ancestor rode proudly on a horse, admiring all the land she possessed, this antique amethyst bracelet being one of her beautiful jewels, decorating her slender, beautiful wrists.

But the rich and large region she possessed was making some neighbor fight to take it all. It seems that the antique amethyst bracelet was lost for a while, during that difficult time. Great site related to jewelry

<http://www.thejewelrydelivery.com>

. The family's story has a sad time, the manor was burned

down, the family's components were killed and only a few survived. One of my ancestors become obsessed finding the antique amethyst bracelet, and spent days and days digging around the ruins to find it, until the precious antique amethyst bracelet return into my family's possession.

It was a dangerous action, since the enemy was trying to find the survivors to put them to death. My ancestor's family lost the battle and now their possessions were conquered. The opposite family forced my ancestors to hide, for long time. So, forced by this terrible pursuit, they become peasants, just like everyone else back then. The beautiful antique amethyst bracelet remained like a beautiful memory of the splendid old times, a souvenir and a treasure.

Melissa loves the following sites:

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