

More fun with gemstone inclusions

Cuneiform and Exploded Snowballs!

For a lot of us in this business, a large part of the fun of gemology is the study of gemstone inclusions. Not the technical stuff...the fun stuff. The weird, unusual, strange and just plain librariar. Below are after of the latest additions to our genome photo collection of strange and unusual inclusions. As always, we turned to the PHOTOATLAS of Inclusions by Koświal and Godlenlin to confirm the identity of these. For our specimens today we relied to Volumes 2 and 3. These books are an absolute must for any germdopist, no matter what part of this industry you but they accorded to the confirmation of the properties of the part of the



The aquamarine at left came into the ISG office in a parcel of aquamarine study specimens some time ago and it took a while for realize we had something weifing the miss. As you can see in the 10 ts image at left, the stone was full of black inclusions that looked more like a heavily included diament of the ward aquamarine. This stone appeared to have bad someone hold a peperper shader over it and paid shower it with black flakes. But it got stranger with high magnification.



Looking at this stone under 30x it almost appeared that someone from the Far East had written secret messages inside the stone as the writing first looked like some ancient Chinese writing, or perhaps some ancient cuneiform writing (O just maybe. This was a secret message from a previously unknown and super secret message from a previously unknown and super secret augustantien mein feldles somewhere out on a remote Tibetan desert! Could it be?

remote infecta desert! Could it he?

Formutacly, the PHOTONIALS VIG. 2 was close at bailed and a vice-stage page 317 relieved as in find that we have a martial and a parametric with literature. When the was that a martial any aparametric with literature in the city members has a wonderful specimies for sale on Daxy. Here is the link to hat offer: manariars, with literature between the sale with the parameter with the sale was a stage of the sale was a stage of the sale with the sale was a stage of the sale with the sale was a stage of the sale was a st





This past work we were asked to identify the samphine at left for origin and any treatments. Once again a simple review turned into a fine facility of the same state. The same state is the same state in the same state is the same state is the same state in the same state is the sam



es should benefit from these images...
At 10x magnification the "exploded snowball" appears to be just a tiny white inclusion in this sapphier. The color bands along the crystal growth faces are quite apparent in the image above, but in this side lighted view the banding is not so apparent. But the small white inclusions (there are several in th stone) start showing up quite nicely under 10x.

At 90x at right the snowball and discool fracturing is easily visible. This is a very strange inclusion when you first see it as the first thing that comes to mids it precisely the name from the Photoatlas....nowball. And while some of our Tuesday night group thought it looked a lot like the planet Saturn (which it sort of does; the snowball image is sumstandable. An image very midstandable. An image Photoatlas Vol.3.









And finally is this large fracture surrounding an exploded smowball that caused the fracture to form. This is a great both can add demonstrates be violence that occurs inside of genustones during high heat treatment. While we found no indication of warmed to the control of th

If there is one thing that we as an industry need to remember its that the desire to own gemstoneous is based on beauty and romance. And even in included gemstones, beauty can be found in many ways and places. Sometimes we get caught up too much in the technical and lose our vision of what is really important when it comes to gemstones.

Consumers never lose that vision. We should not either.

Robert James President, International School of Gemology

If you have trouble viewing the images in this edition, please visit the ISG Forms to see the article in its entirety: Exploded Snowballs

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