

[00:00] <Annie> good thanks, daylight saving has ended for us today here  
[00:00] <Snizzy> so what is the time there now?  
[00:00] <Annie> about 9 am  
[00:00] Frank (~Frank@172.168.193.134) joined #yg.  
[00:00] <Annie> sunday  
[00:00] <Annie> frank whats going on  
[00:00] <Frank> AOL  
[00:00] Riniel\_ (~Regina@203.106.150.110) left irc: Ping Timeout  
[00:00] <Frank> need I say more  
[00:00] <Snizzy> Oh, cos' usually it was 10:00 a.m. when you were on,  
wasn't it?  
[00:00] <Snizzy> Hi Frank  
[00:01] <Frank> Hi Snizzy  
[00:01] <Doos> okay guys and dolls its time .. all potty and get a drink,  
then we start  
[00:01] <Snizzy> I'm ready  
[00:01] <Frank> & me  
[00:02] <Snizzy> Do we need our swimsuits this week?  
[00:02] <Frank> aren't you wearing yours??  
[00:02] <Frank> I've got mine on  
[00:02] <Snizzy> I'm not tellin'... :-)  
[00:03] <Annie> what colours are your swimsuits  
[00:03] <Doos> shall we wait for riniel?  
[00:03] <Snizzy> maybe I'm skinny dipping LOL  
[00:03] <Annie> i will get a matching one  
[00:03] <Cattrix> ☐03im still in my night gown  
[00:03] <Frank> lol...mines are plain grey annie  
[00:03] <Snizzy> where are you Cat?  
[00:03] <Cattrix> ☐03oregon  
[00:03] <Snizzy> It's 3:00 p.m. there?  
[00:04] <Annie> ok Cat your colour of your swimsuit can be the oregon  
sunstone  
[00:04] <Snizzy> Can my swinsuit be pariaba colored, Annie?  
[00:04] <Cattrix> ☐03yeah I don't need to impress nobody except hubby  
lol  
[00:04] <Frank> grey suits then....I'm in europe...hardly any gems  
[00:04] <Snizzy> lol  
[00:04] <Doos> HELLO, teacher is talking here .. rotten kids!  
[00:04] <Snizzy> sorry teacher  
[00:05] <Cattrix> ☐03pardon  
[00:05] <Frank> yes lets wait a few minutes  
[00:05] <Annie> ygood enough  
[00:05] <Frank> she set her alarm and everything  
[00:05] <Doos> okay, back to pron  
[00:05] <Snizzy> so can we play now?  
[00:05] <Snizzy> pron?  
[00:05] <Doos> porn  
[00:05] <Annie> hey, where did Riniel go  
[00:05] <Snizzy> swimswits are considered porn now?  
[00:05] <Frank> were all suitably fashionable doos  
[00:05] <Snizzy> suits...  
[00:06] <Frank> who saw the porn posting on the isg forum?  
[00:06] <Cattrix> ☐03PORN!!!!??  
[00:06] <Snizzy> PORN?  
[00:06] <Doos> if you dive in my mind, everything is porn  
[00:06] <Annie> yes its gone now,,  
[00:06] <Cattrix> ☐03giggle  
[00:06] <Snizzy> who posted porn?

[00:06] <Frank> yes...I thought it would be gone as soon as RJ saw it  
[00:06] <Annie> some eager guy  
[00:06] <Frank> some plonker  
[00:06] <Snizzy> how did I miss that one?  
[00:07] <Frank> tooo slow  
[00:07] <Doos> somehow it entertained me  
[00:07] <Snizzy> what color is your swimsuit, Doos?  
[00:07] <Frank> did you press any of the links doos???  
[00:07] <Frank> :)  
[00:07] <Doos> lol no  
[00:07] <Snizzy> when was the porn posted???  
[00:07] <Doos> pink Snizzy  
[00:07] <Snizzy> cool Doos  
[00:07] <Annie> yesterday  
[00:07] <Snizzy> hmmm  
[00:08] <Frank> it was there about twelve here  
[00:08] <Cattrix> ☐03oh dang i missed it  
[00:08] <Frank> but gone by this evening  
[00:08] <Snizzy> was it a guest post or a registered member?  
[00:08] <Doos> they were there before .. I missed them  
[00:08] <Frank> doos probably logged it  
[00:08] <Annie> a guest post  
[00:08] Riniel (~Regina@203.106.149.78) joined #yg.  
[00:08] Riniel (~Regina@203.106.149.78) left irc: Quit: Trillian  
(<http://www.ceruleanstudios.com>)  
[00:08] arainboz (~arainboz@67.77.254.144) joined #yg.  
[00:08] <Snizzy> doos probably did LOL  
[00:08] Riniel (~Regina@203.106.149.78) joined #yg.  
[00:08] <arainboz> Hi all!  
[00:08] <Snizzy> Hi arainboz  
[00:08] <Doos> sit still Riniel  
[00:08] <Annie> hey Riniel, welcme back  
[00:08] <Snizzy> hi riniel  
[00:08] <Cattrix> ☐03hello rinel and arainboz  
[00:09] <Annie> Hi Arainbgoz  
[00:09] <Doos> wb arainboz  
[00:09] <Frank> hey arainboz.....wb riniel  
[00:09] <arainboz> Hi Annie & Thanks Doos  
[00:09] <arainboz> Hi Hi Hi to everyone lol  
[00:09] <Snizzy> okay Doos, we're all in our places with bright shiny  
faces... :-)  
[00:10] <Cattrix> ☐03yup  
[00:10] <Doos> okay, today is about practiac l gemmology, so lets start  
out with something light  
[00:10] <Snizzy> like lighting?? lol  
[00:11] <Doos> the difference between the wave theory and the quantum  
theory is that ..  
[00:11] <Snizzy> no... darkfield, brighfield, etc.  
[00:11] <Annie> oh thats the microscope  
[00:11] <Frank> wave propogation versus packet bundles?  
[00:11] <Snizzy> no propogation Frank!  
[00:12] <Doos> darned you Frank, you should have started damning me  
[00:12] <Frank> einstein did it not me  
[00:12] <Snizzy> is everyone feeling comfortable with their polariscope?  
[00:12] <arainboz> I dont have one yet  
[00:12] <Annie> i thought we were going to take you step by step  
[00:12] <Frank> me neither  
[00:12] <arainboz> maybe one day soon

[00:12] <Cattrix> ☐03me either  
[00:12] <Snizzy> okay - which step are we taking?  
[00:12] <Frank> but talk on it's on the list  
[00:13] <Frank> unless we should let annie or doos put everything in some order  
[00:13] <Doos> nah, you ask the questions today  
[00:13] <Snizzy> I feel all alone with my polariscope :-(  
[00:13] <Annie> hang on, we are on practical  
[00:13] <Doos> what is the problem Snizzy  
[00:14] <Snizzy> no problem - looks like I'm the only one who has one in this group so I am feeling lonely...  
[00:14] <Snizzy> JB gave me some great help this week with my polariscope as I wasn't sure about a reading being DR or SR  
[00:14] <Annie> no,, hang on a minute  
[00:14] <Doos> can you work with it?  
[00:14] <Cattrix> ☐03what is better tp have firdt polariscope or refractometer  
[00:14] <Annie> we will cover that again, Snizzy  
[00:14] <Annie> its no problem  
[00:14] Riniel (~Regina@203.106.149.78) left irc: Ping Timeout  
[00:15] <Annie> lets start with Handlens,  
[00:15] <Snizzy> refractometer, Cat  
[00:15] <arainboz> ok  
[00:15] <Annie> do you all know the proper use of it  
[00:15] <Cattrix> ☐03thanks  
[00:15] <Snizzy> handlens being a loupe?  
[00:15] <Frank> yes but for me only in theory annie  
[00:15] <Annie> oh yeah, we call it handlens  
[00:15] <Annie> ok loupe  
[00:15] <arainboz> not yet Im on the dimonds  
[00:15] <Annie> thats what i mean, we have covered theoritcally  
[00:15] <Snizzy> doesn't matter what you call it as long as I know what you're talking about :-)  
[00:15] <Annie> we need to emphasise on practice now  
[00:15] <arainboz> but I know what your talking about  
[00:16] <Frank> yes  
[00:16] <Annie> ok, thanks Snizzy  
[00:16] <Doos> the loupe is your most important tool, next to your eye  
[00:16] <Cattrix> ☐03I just orderd one  
[00:16] <Annie> yes, good Cat  
[00:16] <Frank> I've been using mina a lot in the past few weeks  
[00:16] <Annie> ok its the first instrument you will reach out for when you are given a gem  
[00:16] <Annie> always with you  
[00:17] <Annie> so my recommendation is that you always start tests with handlens first  
[00:17] <Doos> even if you go to macdonalds, have the loupe with you  
[00:17] <Annie> yep  
[00:17] <Frank> Mcgem  
[00:17] <Annie> you can share a lot of things with it  
[00:17] <Snizzy> I always have one in my purse  
[00:17] <Annie> mcgems  
[00:17] <Snizzy> McNuggets  
[00:18] <Cattrix> ☐03oh dand now i am hungry  
[00:18] <Frank> so annie.....how much does experience let you see?  
[00:18] <arainboz> what can you share with it?  
[00:18] <Doos> heh

[00:18] <Annie> considering we have a good triplet which has got the aberration we need  
[00:18] <Annie> a lot Frank  
[00:18] <Annie> hang in there  
[00:18] <Frank> k  
[00:18] <Snizzy> yes - that is very important - a good loupe  
[00:18] <Annie> not just a cheap one for \$10  
[00:18] <Snizzy> right Annie!  
[00:18] <Annie> otherwise it will be distorted and colour fringes too obvious  
[00:19] <Annie> the results will not be good  
[00:19] <Snizzy> you might as well just use a magnifying glass than a bad loupe  
[00:19] <Annie> you also need to not judge stones at sight  
[00:19] <Annie> unless you do your proper tests  
[00:20] <Annie> a hand lens magnifies the image by 10 times world standard  
[00:20] <Annie> get your tweezers, lint free cloth and 2 white dishes or beakers ready  
[00:20] <Snizzy> 2 white dishes?  
[00:21] <Annie> because you need to give your gems a bath and pat dry and make sure you its sparkling clean  
[00:21] <Annie> 2 little beakers Snizzy  
[00:21] Riniel (~Regina@203.106.151.229) joined #yg.  
[00:21] <Annie> one will have some detergent  
[00:21] <Snizzy> with just water in them?  
[00:21] <Annie> and the other just water  
[00:21] <Snizzy> k  
[00:21] <Annie> you will also need a good desk light  
[00:21] <Doos> snizzy, pure alcohol is best  
[00:21] <Annie> incandescent light is good  
[00:21] <Riniel> i missed a lot didn't i??  
[00:21] <Catrix> ☺ can you use rubbing alcohol  
[00:21] <Snizzy> vodka? LOL  
[00:21] <Annie> welcome back rinial  
[00:22] <Frank> no rin we just started the lens  
[00:22] <Snizzy> wb rinial!  
[00:22] <Doos> get it at the pharmacy, 98%  
[00:22] <Snizzy> k  
[00:22] <Annie> the procedure is that wash, dry and make your initial recording on your test sheet  
[00:22] <Annie> with description of colour, size and the diaphaneity  
[00:23] <Snizzy> diaphaneity?  
[00:23] <Doos> transparency  
[00:23] <Snizzy> oh  
[00:23] <Frank> transparent/translucent and opaque  
[00:23] <Annie> the ability of a gem to transmit light through it  
[00:23] <Catrix> ☺ ahhhhh  
[00:23] <Snizzy> got it  
[00:23] <Annie> now the technique  
[00:24] <Annie> once you pat dried it leave it on its back, like crown down  
[00:24] <arainboz> ok  
[00:24] <Catrix> ☺ table side down?  
[00:24] <Annie> yes  
[00:24] <Annie> the stone is locked in your tweezers  
[00:25] <Annie> by the girdle for easy picking up  
[00:25] <arainboz> will all this info be available later?

[00:25] <Annie> and no more touching the stone  
[00:25] <Snizzy> do you use locking tweezers?  
[00:25] <Annie> yes its logged in later  
[00:25] <Doos> yes arainboz  
[00:25] <arainboz> tanks  
[00:25] <Annie> you use locking tweezers, yes Snizzy  
[00:25] <Annie> for coloured gems  
[00:25] <Snizzy> I don't have any :-(  
[00:25] <Annie> you can get one  
[00:25] <Snizzy> Can I use my gem clip?  
[00:26] <Frank> just use the normals then  
[00:26] <Doos> yes Snizzy  
[00:26] <Annie> just make sure you have a good grooves at the points  
[00:26] <Snizzy> k  
[00:26] <Annie> now,  
[00:26] <Annie> you have to use your good eye  
[00:26] <Annie> the handlens gos against the good eye  
[00:27] <Doos> (usually your right one)  
[00:27] <Annie> so my eye is my left so i hold the handlens to my left  
[00:27] <Annie> and my right hand holds the tweezers  
[00:27] <Annie> has anyone tested their eyes  
[00:27] <Frank> yes me  
[00:27] <Snizzy> yes  
[00:27] <Catrix> ☐03me  
[00:27] <Annie> there is a test you can do to find out yourself  
[00:27] <arainboz> me too  
[00:27] Riniel (~Regina@203.106.151.229) left irc: Ping Timeout  
[00:27] <Snizzy> the hole in the hands test?  
[00:28] <Annie> ok, good  
[00:28] <Annie> so, now you bring both hands together  
[00:28] <Annie> sot that the flashy poarts just below the thumbs are  
pushed together  
[00:28] <Annie> and embraced by the lower portion  
[00:29] <Doos> uh what?  
[00:29] <Annie> your hands just above the wrists together  
[00:29] <Snizzy> doos...  
[00:29] <Annie> not clear  
[00:29] <Annie> does everyone understand  
[00:29] <Annie> or not  
[00:29] <Snizzy> it's clear Annie  
[00:29] <Frank> good for me  
[00:29] <Doos> no  
[00:29] <Annie> not clear Doos  
[00:29] <Snizzy> doos....  
[00:29] <Catrix> ☐03so far  
[00:29] <Annie> ?  
[00:29] <Annie> i am describing your position of your hands togetherness  
[00:30] <Annie> you tuck in your elbows like a chicken against your ribs  
[00:30] <Snizzy> lol  
[00:30] <Annie> your hands will be steady \  
[00:30] <Annie> lol  
[00:30] <Annie> clear  
[00:30] <arainboz> ok I got that  
[00:30] <Doos> yah  
[00:30] <Frank> yes  
[00:30] <Annie> fine  
[00:30] <Annie> now hold the handlens close to your eye  
[00:31] <Annie> this distance is 2.5 cm

[00:31] <Doos> oh, I thought you were testing for the "good" eye  
[00:31] <Annie> bring the tweezers at a fixed level of another 2.5cm  
[00:31] <Cattrix> ☐03giggle  
[00:32] <Snizzy> tee hee  
[00:32] <Annie> all said they knew their good eyes  
[00:32] <arainboz> lol  
[00:32] <Snizzy> I think Doos wants us to do the test... like the chicken  
[00:32] <arainboz> I know mine is the left  
[00:32] <Annie> mine is left  
[00:32] <Snizzy> mine is right  
[00:32] <Annie> so what is everybody  
[00:32] <Cattrix> ☐03left  
[00:32] <Frank> right for me too  
[00:32] <Doos> are you left handed Annie ?  
[00:33] <Annie> no  
[00:33] <Annie> but my good eye is left  
[00:33] <arainboz> why is that?  
[00:33] <Frank> is it random or is it a right brain left brain thing?  
[00:33] <Snizzy> crosseyed?  
[00:33] <arainboz> you could be right Frank  
[00:33] <Annie> hang on just off topic here  
[00:33] <Snizzy> sorry lol  
[00:34] <Frank> yes please continue annie  
[00:34] <Frank> we can save questions till your done  
[00:34] <Annie> it should always be that your handlens on the right and  
tweezers on the left  
[00:34] Riniel (~Regina@203.106.149.89) joined #yg.  
[00:35] <Annie> but if you do it the other way like your handlens on the  
right and tweezers on the left  
[00:35] <Annie> it does not matter which hand you use the handlens  
[00:35] <Snizzy> ☐12wb riniel  
[00:35] <Annie> but important thing is you use the good eye  
[00:35] <Annie> it also does not matter if you are crossing over  
[00:35] Annutara (~test@202.156.245.245) joined #yg.  
[00:36] <Annie> or anything, as long as your position of holding  
technique - you are comfortable  
[00:36] <Doos> so, just what is best for you?  
[00:36] <Annie> hey annutara  
[00:36] <Frank> hi annutara  
[00:36] <Annie> welcome  
[00:36] <Snizzy> ☐12welcome annutara  
[00:36] <Doos> hi hehheh  
[00:36] <Annutara> hi, what's today's topic?  
[00:36] <arainboz> Hi annutra  
[00:36] Riniel\_ (~Regina@203.106.149.169) joined #yg.  
[00:36] <Cattrix> ☐03Hello annytura  
[00:36] <Annie> riniel, sit still  
[00:37] <Annie> ok, we ready to continue  
[00:37] <Snizzy> ☐12ready annie  
[00:37] <Frank> yes..  
[00:37] <arainboz> yes  
[00:37] <Annie> annutara, we are in practical session here going through  
procedure and technique  
[00:38] <Annie> for handlens observation  
[00:38] <Annie> ok,  
[00:38] <Annutara> okay  
[00:38] <Annie> so the most important thing here is that you use your  
brain to train your eyes to look through it with both your eyes open

[00:39] <Annie> against one eye  
[00:39] <Snizzy> □12doesn't closing one eye cause eye strain?  
[00:39] <Doos> yah  
[00:39] <Annie> i am sure you would have seen that bit in roberts vidio  
[00:39] <Annie> ok, now turn on your light  
[00:39] <Snizzy> □12I don't have the video yet - he sent me the wrong one  
by mistake :-(  
[00:40] <Annie> your elbows are now on the table or tucked in position  
[00:40] <Annie> leaning against the light  
[00:40] <Annie> just let him know snizzy  
[00:40] <Snizzy> □12I did  
[00:40] <Annie> you must hold the stone under the light in 45 deg angle  
[00:40] Riniel (~Regina@203.106.149.89) left irc: Ping Timeout  
[00:41] <Annie> but keeping the lens out of the light  
[00:41] <Cattrix> □03is this light a table lamp?  
[00:41] <Annie> yes  
[00:41] <Annie> any table or desk lamp with a incandescent bulb will do  
[00:41] <Cattrix> □03ok  
[00:41] <Annie> ok, now your observation  
[00:42] <Annie> you must do it in a systematic way  
[00:42] <Annie> hang on i gotta go to the loo  
[00:42] <Cattrix> □03me too  
[00:42] <Snizzy> □12cat - do you own cats?  
[00:42] Riniel\_ (~Regina@203.106.149.169) left irc: Ping Timeout  
[00:42] <Doos> anyone has any questions while the girls go potty?  
[00:43] <Snizzy> □12tell me what kind of locking tweezers to purchase  
[00:43] <Doos> no locking tweezers  
[00:43] <Snizzy> □12why not?  
[00:43] <arainboz> does it matter what kind of tweezers?  
[00:43] <Doos> the locking ones are easily put to tight  
[00:44] <arainboz> what about the prong holders?  
[00:44] <Snizzy> □12oh - Annie said locking so I thought they were  
required - I only have regular tweezers and a gem clip for my darkfield  
plate  
[00:45] <Annie> ok  
[00:45] <Doos> you can use a prong holder, but that is not easily  
turnable  
[00:45] <Snizzy> □12so just regular tweezers Doos?  
[00:45] <Annie> ok, we are analysizing what sort of tweezers  
[00:45] <Doos> yes Snizzy, the ones with a groove  
[00:45] <Annie> snizzy, regular tweezers you have  
[00:45] <Frank> yes...  
[00:45] <Snizzy> □12k  
[00:45] <Cattrix> □03whew taht was like a trek to the back forty  
[00:45] <Annie> if they are not locking  
[00:46] <Annie> let me say, when you are just beginning, its good to have  
[00:46] <Annie> proper locking tweezers  
[00:46] <Annie> this eliminates good practice  
[00:46] <Annie> and you don't have a chance of dropping the stone  
[00:46] <Annie> you don't want to go looking for stone on the floor  
[00:47] <Snizzy> □12been there, done that!  
[00:47] <Annie> ok, they are not that expensive, and besides we need to  
look professional  
[00:47] <Doos> but stand the chance of damiging the stone while pressing  
it to tight  
[00:47] <Annie> even when we are learning to do things right  
[00:47] <Annie> way

[00:48] <Snizzy> □12so locking tweezers can damage the stone and regular tweezers can cause us to lose the stone  
[00:48] <Annie> you need to practice also  
[00:48] <Annie> the way and how much you want it to be locked in  
[00:48] <Annie> yes, too tight can cause damage  
[00:48] <Annie> but you get the hang of it  
[00:48] <Snizzy> □12does anyone use those stone holders?  
[00:48] <Annie> and besides you'll be learning on crappy stones  
[00:48] <Annie> not good ones to begin  
[00:49] <Snizzy> □12not good what - stones or holders?  
[00:49] <Doos> Snizzy, the prong holders are for goldsmiths and jewelers, not for gemmologists  
[00:49] <Annie> get stones that are cheap  
[00:49] <Annie> for practice stones from your local shop  
[00:49] <Annie> gemmos use proper tweezers  
[00:50] <Annie> and normal unlocking ones are used for diamonds  
[00:50] <Snizzy> □12right now I am using GIA stones and regular tweezers, I did buy some parcels of "test stones" but I need to ID them first  
[00:50] <Frank> why snizzy?.....just lay em out and practice picking them up  
[00:50] <Annie> ok, so you are a bit mor advanced snizzy  
[00:50] <Snizzy> □12so locking tweezers for colored stones and non locking for diamonds?  
[00:50] <Frank> and moving them around  
[00:51] <Snizzy> □12I'm not advanced Annie!!! :-(  
[00:51] <Annie> remember you need to be able to view gemstones in all direction and be able to turn the tweezers around in your palm  
[00:51] <Doos> Snizzy, non-locking is always best  
[00:51] <Frank> lol.....teachers disagreement  
[00:51] <Annie> i disagree there doos, but  
[00:51] <Snizzy> □12Frank - I need to ID them for comparison stones - not for practice with tweezers  
[00:52] <Annie> ok, am i doing something wrong here  
[00:52] <Frank> but you also need to practice with tweezers  
[00:52] <Doos> no, we agree .. just that the locking ones are easier to use  
[00:52] <Annie> this is what we are doing  
[00:52] <Snizzy> □12I've had lots of practice with tweezers!  
[00:52] <Frank> does it matter the tweezers?  
[00:52] <Frank> please go back to the lens annie  
[00:52] <Annie> first you need to use your proper tests to conclude  
Snizzy  
[00:52] <Annie> hang on Snizzy, can i come back to you in a while  
[00:53] <Snizzy> □12k  
[00:53] <Annie> i just want to take the new guys through the technique  
[00:53] <Annie> if the technique is not right, you are not going to get anywhere  
[00:53] <arainboz> I know Im getting lost here  
[00:53] <Snizzy> □12Doos asked us when you went to the loo if we had ???s and I asked about tweezers  
[00:53] <Annie> oh ok, i am sorry  
[00:53] <Annie> i will wait  
[00:53] <Annie> then  
[00:53] <Snizzy> □12no, you're back now! :-)  
[00:54] <Doos> please go on Annie  
[00:54] <Annie> Doos and I are doing this together for you guys  
[00:54] <Annie> it doesn't matter if Doos explain or me

[00:54] <Annie> we want to help you get the best of the practical approach

[00:54] <Snizzy> □12we like both of you!

[00:54] <Annie> ok thanks, we like all of you too

[00:55] <Annie> ok then

[00:55] <Annie> now the observation of the gem in initial stages are important

[00:55] <Annie> you start looking at the table, then kite facets and upper girdle facet in a round circle type

[00:56] <Annie> observing workmanship

[00:56] <Doos> a facet at a time

[00:56] <Annie> looking for chips, cracks or scratches on facet edges, planes or boundaries

[00:56] <Annie> the sharpness of facet edge, or whether it has abraision or fire marks

[00:57] <Annie> then you start to record all of those features on your test sheet

[00:57] <Annie> and turn your stone over and do the same on the pavilion

[00:57] <Snizzy> □12I have always found that part the hardest - keeping track of which facet I am on. I tried to look at it as a "clock" but I still lose my place. Any suggestions?

[00:57] <Doos> start at 12 and work your way around

[00:57] <Annie> ok where is the table, - in the middle right

[00:58] <Snizzy> □12right

[00:58] <Annie> then make out your clock as you hold your tweezers parallel to your handlens

[00:58] <Snizzy> □12I've tried it, but I still get lost in places

[00:58] <Annie> does GIA let you use clock terms on your test sheet

snizzy

[00:58] <Snizzy> □12yes

[00:59] <Annie> ok, please don't get me wrong

[00:59] <Annie> but this is a no no here

[00:59] <Snizzy> □12what is?

[00:59] <Annie> when we are 1 on 1 with someone we can use the clock terms

[00:59] <Annie> but when you are observing and describing something on paper - that is a total bo bo

[00:59] <Annie> not on

[00:59] <Snizzy> □12please explain

[00:59] <Annie> so you have to bear with that one

[01:00] <Annie> i would like you to practice this and then you can still do the GIA version\

[01:00] <Annie> there are 1 table

[01:00] <Annie> 8 star facets around the table

[01:00] <arainboz> ok let me interpt

[01:00] <Snizzy> □12I just want to learn the best way to keep it straight - it doesn't have to be GIA

[01:00] <Annie> you have then 8 kite facets

[01:01] <Annie> your upper girdle facets are 16 of them

[01:01] <arainboz> on the test what are you using?

[01:01] <arainboz> on your paper?

[01:01] <Snizzy> □12me?

[01:01] <Annie> yes

[01:01] <Annie> you need to look in a systematic way through those facets to achieve best results

[01:01] <arainboz> you name them accordingly

[01:01] <Doos> this is a classic diamond evaluation

[01:01] <Annie> but not so necessary when you are advanced

[01:01] <Annie> yes  
[01:01] <Snizzy> □12I haven't done the grading lessons for awhile - I am doing Gem ID now.  
[01:02] <Annie> we are not doing diamond grading  
[01:02] <Snizzy> □12I thought that was what arinboz was talking about as far as test sheets?  
[01:02] <Annie> now, i just want you to know basics of how to look for surface features of a coloured gem\  
[01:02] <arainboz> I think I get it  
[01:02] <Annie> and be able to describe them  
[01:03] <Annie> please put your hands up if you want me to stop or gets to confusing  
[01:03] <Annie> why you look for those things ?? you should ask  
[01:03] <Frank> excuse me please.....if this was a lecture in a real college we would all let annie do her lesson and ask questions at the end...can't we do that instead of interupting every few sentances and causing her to lose track of the lesson  
[01:04] <Doos> you are talking about a brilliant cut Annie  
[01:04] <Frank> sorry .....only my humble opinion  
[01:04] <Doos> good plan Frank  
[01:05] <Doos> (although we are not in college .. still a good plan for now)  
[01:05] <Annie> you look for facet edges or junctions indicates hardness of stone  
[01:05] <Annie> harder stones will have sharp edges of sharper junctions  
[01:06] <Annie> the imitations are soft and the edges will be less sharp or even will look rounded  
[01:06] <Annie> the sharpness can provide about gems authenticity  
[01:06] <Annie> or its durability  
[01:06] <Annie> if you had rounded or concaved or mould marks, this would indicate paste  
[01:06] <Annie> ok,  
[01:06] <Frank> ok  
[01:07] <arainboz> got it  
[01:07] <Annie> these are surface features need to be looked for while you are looking what i said before about the facets  
[01:07] <Annie> once you've done that,  
[01:07] <Annie> observed your crown first, turned over looked for pavilion  
[01:07] <Annie> and least but not least observed your girdle  
[01:07] <Annie> you must also look for composite or join planes  
[01:07] MoDo (~MoDo@69.169.53.142) joined #yg.  
[01:08] <Doos> hi MoDo  
[01:08] <MoDo> Hi, All, have I missed much :-)  
[01:08] <Frank> hi modo  
[01:08] <Annie> then you can go and concentrate on your internal features  
[01:08] <Snizzy> □12hi mo do  
[01:08] <Annie> Hi Mo Do  
[01:08] <arainboz> Hi modo  
[01:08] <Annie> the same way as before,  
[01:08] <Doos> yah modo, but its not over yet  
[01:08] <Catrix> □03MoDo  
[01:08] <MoDo> I just got back from Escondido  
[01:08] <Doos> go on Annie  
[01:08] <Annie> remember the presence of inclusions are important  
[01:09] <Annie> and if you see something thats not right - then you start to have a suspiciion  
[01:09] <Annie> like if you saw bubbles

[01:09] <Annie> instead of a healed fracture  
[01:09] <Annie> or a curved zones instead of straight banding  
[01:09] <Annie> or doubling of back facets  
[01:10] <Annie> or can anyone else tell me what we can see to assume or separate a stone from being natural or synthetic  
[01:10] <Catrix> □03three phase inclusions?  
[01:10] <Annie> how about if you saw some crystals  
[01:10] <Annie> yes Cat  
[01:10] <Annie> or needles  
[01:10] <MoDo> white curved vieling?  
[01:10] <Annie> or veils  
[01:11] <Doos> the doubling of pavilion factes is quite diagnostic for DR stones  
[01:11] <Annie> yes Mo Do , very good  
[01:11] <Annutara> but doesn't veiling look like fingerprinting?  
[01:11] <Annie> yes  
[01:11] <Annutara> synthetics have those too  
[01:11] <Annie> depends on the nature of the stone and locality of geology  
[01:11] <Annie> too  
[01:11] <Annutara> i can't distinguish flux fp from natural fp  
[01:12] <Annie> ok, we will get to that one too  
[01:12] <Annutara> or worse still, quenched cracked regrowth verneuil with natural fp  
[01:12] <Annie> hang on to your questions  
[01:12] <Annutara> k  
[01:12] <Doos> told you Annie is a wiz Annutara  
[01:12] <Annie> yes that is worst annuatrar  
[01:12] <Annie> sorry  
[01:12] <Annutara> yep  
[01:12] <Annie> I spelled your name wrong Annutara  
[01:12] <Annutara> Doos, you're a wiz too  
[01:13] <Annutara> :)  
[01:13] <Annie> ok so by now you should have at least 3/4 of at least about 8 lines written down  
[01:13] <Annie> about surface and internal things that you can only see with the handlens  
[01:13] <Annie> at this stage we are not ready to identify the stone  
[01:14] <Annie> this is only preliminary, you can then jump on the microscope and magnify  
[01:14] <Annutara> sorry, but what is this handlens thing?  
[01:14] <Annie> at higher zoom to confirm your handlens/ is LOUPE  
[01:14] <Annutara> (I SEE)  
[01:14] <Annie> AND make note of what you didn't see with your loupe and elaborate on your observations  
[01:15] <Frank> do you draw the inclusions on the sheet?  
[01:15] <Annie> we will have to cover the microscope and the use and techniques soon too  
[01:15] <Doos> can I jump in here Annie?  
[01:15] <Annie> but just want you guys to know  
[01:15] <Annie> you can carry your handlens everywhere, but not your microscope  
[01:16] <Annie> so then coming back to Annuatara question of not being able to tell the difference  
[01:16] <Annie> of fluz and healed fractures  
[01:16] <Annie> is the separation at a higher magnification if you have to  
[01:16] <Annie> there is one rule

[01:16] <Annie> you concentrate on those veils that confuse you,  
[01:17] <Annie> when you look over it - look at the overall shape of the veil  
[01:17] <Annie> then concentrate whether you are able to see through it or not  
[01:17] <Annutara> ?  
[01:17] <Annie> and what colour is the veil, so you have plenty to write about on your test sheet  
[01:17] <Annie> yes Annutara  
[01:17] <Annutara> won't we be able to see through the veil regardless?  
[01:17] <Annie> ok  
[01:18] <Annie> then you have a synthetic  
[01:18] <Annie> i was coming to that  
[01:18] <Annie> but just think if you had a natural formed fingerprint or veil in a ceylon sapphire or something  
[01:18] <Annutara> k  
[01:18] <Annie> you would be able to see through this liquid healed fracture as transparently as possible  
[01:19] <Annie> only if synthetic - all that gunk and mixture does not allow you to see it through  
[01:19] <Annie> do you understand  
[01:19] <Doos> everyone pay attention to that, I didnt even know that  
[01:19] <Annie> lol  
[01:19] <Annutara> look through, meaning I concentrate on something beyond the veil?  
[01:20] <Annutara> my tutor didn't teach me that. shucks  
[01:20] <Annie> yes, you analyze that veil  
[01:20] <Annie> huh  
[01:20] <Annutara> ignore me  
[01:20] <Annie> thats the only way you are going to pinpoint your observations and come to a conclusion  
[01:20] <Annie> no i can't ignore you  
[01:20] <Annie> sorry  
[01:21] <Annie> i like you, you ask good questions  
[01:21] <Annie> if you saw a round crystal  
[01:21] <Doos> Annie, so if the veil is opaque .. its synthetic?  
[01:21] <Annie> against a round bubble  
[01:21] <Annie> yes that too Doos  
[01:21] <Annie> lets analyze a crystal vs bubble  
[01:21] <Annie> round in shape  
[01:21] <Annie> how are we going to do that  
[01:22] <Annie> ??  
[01:22] <Annie> any takers  
[01:22] <Annutara> Annie, is that veil opacity conclusive?  
[01:22] <Frank> look for colour?  
[01:22] <Annutara> see whether the outline of the round thing is distinct  
[01:22] <Annutara> if it is sharp the RI difference is great, and is hence a bubble?  
[01:22] <Annie> go on  
[01:22] <Doos> lol soo many questions  
[01:23] <Doos> sorry that I cant help you there buddy  
[01:23] <arainboz> lol yeah now Im totally lost  
[01:23] <Annie> ok you are going to look at the roundness and whether its transparent or opaque  
[01:23] <Annie> a bubble will have a round look with dark edges  
[01:23] <Annie> and a hole in the centre, like a donut  
[01:23] <arainboz> ok  
[01:23] <Annie> a crystal will have a transparent look

[01:24] <Annie> and very spherical and clear in shape  
[01:24] <Annutara> what if the xtal is very small?  
[01:24] <Annie> ok but you can do this when you put the zoom on it and magnify it  
[01:24] <Doos> you need higer magnification  
[01:24] <Annie> to extreme if you were anyalysing that little crystal or whatever  
[01:24] <Annutara> i'll get stuck with 45x  
[01:25] <Annutara> and then... i still can't tell the difference  
[01:25] <Annie> ok, you need a lot of help here  
[01:25] <Annie> hang in there  
[01:25] <Annie> have you been shown how to use the microscope properly  
Annutara  
[01:26] <Cattrix> □03?  
[01:26] <Doos> I think the diaphanity clue is pretty good  
[01:26] <Cattrix> □03a spherical bubble is indicative of synth?  
[01:26] <Annutara> look through the microscope isn't it?  
[01:26] <Annie> ok, the lighting on your micscope is also very important and be able to use it concurrently  
[01:26] <Annutara> i usually use darkfield  
[01:27] <Annie> and efficiently to the best of advantages  
[01:27] <Annie> yes  
[01:27] <Annie> yes Cat  
[01:27] <Annutara> is that conclusive?  
[01:27] <Annie> i was giving you examples  
[01:27] <Cattrix> □03ok thanks  
[01:27] <Annie> no not conclusive yet  
[01:28] <Annutara> k  
[01:28] <Annie> need to fill out all of your test sheet  
[01:28] <Annie> remember you are the judge  
[01:28] <Annutara> test sheet?  
[01:28] <Annutara> FGA or GIA?  
[01:28] <Annie> a Test sheet is the one you are going to write all your observations and testing  
[01:28] <Annutara> okay. a paper  
[01:28] <arainboz> thats what I want to know about  
[01:28] <Annie> what does GIA call those lab reports  
[01:28] <Annie> ?  
[01:29] <arainboz> how do you prepare a test sheet?  
[01:29] <Annutara> do you have a copy of a test sheet?  
[01:29] <Doos> when I studied we just called it a notepad  
[01:29] <arainboz> no I dont Annie  
[01:29] <Annie> remember you are the judge and you are proving that this gem is innocent (natural) not guilty (synthetic)  
[01:29] <Annie> you must record those observation of any kind as soon as you see it  
[01:29] <Frank> The FGA have an observation book which shows you how to record your observations  
[01:30] <Annie> never try to remember  
[01:30] <Annie> later  
[01:30] <Annie> good  
[01:30] <Annie> good Frank  
[01:30] <arainboz> where would I get one?  
[01:30] <Annie> never judge your stone by sight along  
[01:30] <Doos> whenever you look down a microscope at inclusions .. look at it and draw it  
[01:30] <arainboz> or do I just make my own?  
[01:30] <Annie> assume every stone is synthetic unless proven natural

[01:30] <Annie> you can do your own  
[01:30] <Frank> yes arainboz  
[01:31] <Annie> or use the ones that your school provides  
[01:31] <arainboz> I dont have a microscaope yet  
[01:31] <Annie> thats ok  
[01:31] <arainboz> ok Frank how would you list it? Im pretty new  
[01:31] <Annie> i can scan something and send to your guys if you need it  
to make up your own  
[01:31] <arainboz> yes that would be great Annie  
[01:32] <Annie> ok  
[01:32] <Annutara> yeah!  
[01:32] <Frank> wait a minute i'll get the book  
[01:32] <Cattrix> ☐03cool  
[01:32] <Annie> just make sure you give me your email addresses  
[01:32] <Annutara> sure  
[01:32] <arainboz> ok  
[01:33] <MoDo> Annie: Is yours very different from GIA's?  
[01:33] <Annie> no why should it be different from GIA  
[01:33] <Frank> It's all pretty much as annie listed it  
[01:33] <Annie> we all learn the same  
[01:33] <Frank> note facets and edges  
[01:33] <arainboz> ok  
[01:33] <Frank> work round the surface  
[01:33] <Doos> MoDo, it all boils down to the same thing  
[01:33] <Annie> we just need to be more precise in our observations and  
techniques  
[01:33] <MoDo> Okay, thanks  
[01:34] <Frank> then go inside  
[01:34] <Frank> round circles  
[01:34] <Annie> any questions  
[01:34] <Annie> so far  
[01:34] <Frank> about 2cm accross to draw inclusions  
[01:34] <Annie> i am glad  
[01:34] <Frank> ?  
[01:34] <Annie> please ask away if you have any questions  
[01:34] <Frank> I'm looking at a synth ruby  
[01:35] <Doos> lol Annie, you did well  
[01:35] <Annie> is something not clear yet  
[01:35] <Frank> I'm looking for growth lines  
[01:35] <Snizzy> ☐12can I ask about flux?  
[01:35] <Frank> curved  
[01:35] <Annie> sure  
[01:35] <arainboz> Im just sticking to the basics what the test paper for  
now  
[01:35] <Frank> I can see them (I think) if I look through near the  
girdle  
[01:36] <Annie> have you got a gem you are looking at Frank  
[01:36] <Frank> as the light reflects from a back facet  
[01:36] <Snizzy> ☐12I also have a hard time with fingerprints vs flux  
unless the flux is whiteish and high relief - what if the "flux" is the  
same color as the stone - does that mean a natural gem?  
[01:36] <Annie> Frank is practicing already  
[01:36] <Doos> arainboz, a test paper is everything you write down  
[01:36] <Frank> Or is it poor polishing finish on the facet?  
[01:36] <Annie> no  
[01:36] <Annie> flux "flux" can never be natural  
[01:36] <Annie> its a synthesis  
[01:36] <Snizzy> ☐12I meant flux like inclusions

[01:37] <Frank> yes in my hand annie  
[01:37] <Annie> there are different type of flux inclusions  
[01:37] <arainboz> yes Doos I'll remain withthat for now  
[01:37] <Annie> you are looking at a gem  
[01:37] <Annie> Frank  
[01:37] <Snizzy> □12I know flux is never natural but sometimes I have a hard time with flux vs. fingerprints  
[01:37] <Frank> yes  
[01:37] <Annie> fingerprints are something that nature leaves behind and they are beautiful  
[01:38] <Annie> flux is ugly and very opaque  
[01:38] <Frank> but I can't decide if i'm seeing growth lines  
[01:38] <Frank> inside  
[01:38] <Annie> they can be white, yellow or black  
[01:38] <Snizzy> □12You metioned earlier that if the "fluxlike inclusions" were opaque then that was true flux and not fingerprints. Did I understand that correctly?  
[01:38] <Annie> good frank  
[01:38] <Frank> or polishing marks on the back facets  
[01:38] <Annie> yes  
[01:38] <Annie> yes snizzy  
[01:38] <Doos> that has to do with lightning Frank  
[01:38] <Annie> i was using it as an example to differentiate between the two outlooks  
[01:39] <Annutara> Frank, you have a microscope at home?  
[01:39] <Snizzy> □12I agree with Frank - I'm not sure if I've ever seen curved straiie or if they are polish lines - I've tried every light imaginable and cannot tell  
[01:39] <Frank> No just a lens  
[01:39] <Annutara> k  
[01:39] <Annie> curved straiie you can only see when you are concentrating on the internal part  
[01:39] <Doos> if you see curved growth lines inside a stone, you can bet its a verneuil  
[01:39] <Annie> when you polish marks - they are outside on the surface  
[01:39] <Annutara> what about czochralski stones?  
[01:39] <Frank> but I'm trying to devide al; my study time between practical and theory  
[01:39] <Snizzy> □12right - but sometimes I can't differentiate between the inside inclusions or polish lines  
[01:39] <Catrix> □03OHHHHHHH  
[01:39] <Annie> thats why you need to separate surface from internal  
[01:40] <Annie> remember how much you know in theory  
[01:40] <Annie> you can link in and marry up with your practical  
[01:40] <Annie> but if you are going to jump around and get them mixed up, then we have a problem  
[01:40] <Frank> I find the problem is deciding where the inside stops and the back facets start  
[01:41] <Annie> and then know what to look for  
[01:41] <Snizzy> □12I just cannot always tell what I am looking at or what I am supposed to be seeing. MoDo have you experienced any of this with test stones from GIA?  
[01:41] <Doos> Frank, look for the brightness in the facets  
[01:42] <Snizzy> □12I have a stone that I am stuck on - I cannot tell if it is a pyrope garnet or a ruby - can I give you the information on it?  
[01:42] <Annie> spectroscope will separate that  
[01:42] <MoDo> Why don't you PM me, Snizzy?  
[01:42] <Annie> Snzissy

[01:42] <Doos> or a polartiscope  
[01:42] <Annie> Snizzy, between a ruby and garnet, the spectroscope will separate  
[01:42] <Snizzy> □12I have a problem with the spectroscope which is why I am waiting for Robert's video  
[01:42] <Annie> the absorption bands will be different  
[01:42] <arainboz> which is better siuted?  
[01:43] <MoDo> Snizzy, have you tried the dichroscope?  
[01:43] <Snizzy> □12polariscope isn't helping - it's either DR or SR with ADR strain and it shows interference colors  
[01:43] <Annie> polariscope is a good too  
[01:43] <Annie> just the initial stage  
[01:43] <Doos> garnet is SR and ruby is DR, so a polarsicope will show you that  
[01:43] <Annutara> why not just test for RI  
[01:43] <Snizzy> □12I know Doos, but I can't read it  
[01:43] <Annie> no  
[01:43] <Snizzy> □12RI is 1.75 - 1.76  
[01:43] <Annutara> DR  
[01:44] <Annutara> ?  
[01:44] <Snizzy> □12pleocroism is weak if any  
[01:44] <Doos> double refractive  
[01:44] <Annie> Garnet will have one constant ray if you are doing RI - Snizzy  
[01:44] <Snizzy> □12what do you mean Annie?  
[01:44] <Annie> all the same like 1.750 all the way 8 reading or  
[01:44] <Annutara> 1.75-1.76 don't look like ruby's RI  
[01:44] <Doos> with the refractometer  
[01:45] <Annie> well look, to differetiate the ruby from Garnet is easiest way of 3 test  
[01:45] <Annie> polariscope, RI, SG and then the spectra  
[01:45] <Annie> thats 4  
[01:45] <Snizzy> □12I am leaning towards pyrope, but it has fingerprint looking inclusions and I don't think garnets have those, do they?  
[01:45] <Snizzy> □12I didn't forget about you MoDo, I will PM you :-)  
[01:46] <Annie> ok , are we done with the use of handlens now  
[01:46] <Annie> everyone  
[01:46] <Annie> is all clear  
[01:46] <MoDo> GIA tells us not to put red gems in the polariscope  
[01:46] <Annie> oh my, why isthat  
[01:46] <Doos> Snizzy, is modo gossiping about me again  
[01:46] <Snizzy> □12they do?  
[01:46] <Annutara> why?  
[01:46] <Annutara> do red grossulars exist?  
[01:46] <MoDo> Because red garnets will often give a perfect doubly refractive reaction.  
[01:46] <Annie> ok, lets move on to polariscope then  
[01:47] <Doos> most red gems are corundum or garnets  
[01:47] <arainboz> yes Annie but I'd like to get a copy from about about test paper  
[01:47] <Annie> that would usually follow your handlens  
[01:47] <arainboz> when you can  
[01:47] <Annie> next test is usually a polariscope observation  
[01:47] <Annie> very quick and easy to d  
[01:47] <Snizzy> □12can garnets have fingerprint looking inclusions??  
[01:47] <Frank> hand lens use is clear annie.....I just have to keep looking until I have enough experience to interpret what I can see  
[01:47] <Annutara> do red grossular garnets exist?

[01:47] <Annie> i told you guys you can pm or email me  
[01:48] <Annie> my email address is <edited>@yahoo.com.au  
[01:48] <Annutara> annie do you have msn/icq?  
[01:48] <Annie> yep  
[01:48] <Annutara> same email addy?  
[01:49] <Annie> drop me a line and i will send you the test sheets for  
your own use  
[01:49] <arainboz> ok  
[01:49] <Annutara> can't find you on msn  
[01:50] <Annie> msn is Annie  
[01:51] <Doos> what shall we do guys .. go on or just give Annie a big  
round of applaud?  
[01:51] <Frank> she deserves it  
[01:51] <MoDo> Snizzy, the answer is yes.  
[01:51] <Frank> good lesson annie  
[01:51] <Annutara> <edited>@yahoo.com.au?  
[01:51] <Cattrix> ☺Cheering  
[01:51] <MoDo> clap...clap...clap...clap...  
[01:52] <Snizzy> ☺great lesson Annie! kudos!  
[01:52] Action: Doos bangs the table for Annie  
[01:52] <Annutara> KUDOS!  
[01:52] <arainboz> Thanks Annie  
[01:52] <Snizzy> ☺annutara - grossular can be orange, hydrogrossular  
can be red  
[01:52] <Annutara> what is hydrogrossular?  
[01:53] <Snizzy> ☺an aggregate garnet  
[01:53] <Doos> grossular garnet in a glass of water  
[01:53] <Frank> lol  
[01:53] <Annutara> haha  
[01:53] <Cattrix> ☺giggle  
[01:53] <Snizzy> ☺hee hee  
[01:53] <MoDo> oy vey  
[01:53] <Annutara> same RI SG as grossular?  
[01:53] <Cattrix> ☺they can be green tpp a;sp  
[01:53] <Snizzy> ☺very close  
[01:54] <Cattrix> ☺opps or they can be green too right?  
[01:54] <Snizzy> ☺Gros 1.740, Hydrogros 1.720  
[01:54] <Frank> So enough or go on ?  
[01:55] <Snizzy> ☺yes - both can be green  
[01:55] <Doos> anything goes now  
[01:55] <Frank> lol....ok  
[01:55] <Frank> :-d  
[01:55] YG683 (~Annie@203.102.244.250) joined #yg.  
[01:55] <MoDo> :-x  
[01:55] <YG683> hello  
[01:56] <Frank> hi YG  
[01:56] <MoDo> howdy  
[01:56] <Snizzy> ☺hello  
[01:56] <Cattrix> ☺Hi!  
[01:56] <YG683> i got kicked out  
[01:56] <Annutara> how to differentiate synthetic quartz from natural  
quartz if you don't see the chevrons/heatwave  
[01:56] <YG683> and can't come back in  
[01:56] <Frank> that you rinial?  
[01:56] <YG683> its me  
[01:56] YG683 (~Annie@203.102.244.250) left #yg.  
[01:56] Annie (~Annie@210.84.197.49) left irc: Ping Timeout  
[01:56] YG683 (~Annie@203.102.244.250) joined #yg.

[01:56] <Frank> gosh and you set your alarm and everything  
[01:57] <Frank> whats a ping timeout doos?  
[01:57] Annie\_ (~Annie@203.102.244.250) joined #yg.  
[01:57] <Annie\_> hi  
[01:57] <Frank> wb annie  
[01:57] <Snizzy> □12wb annie  
[01:57] <MoDo> Hey, you missed all the fun, Annie :-)  
[01:57] <Catrix> □03:)  
[01:57] YG683 (~Annie@203.102.244.250) left #yg.  
[01:57] <Annie\_> have i missed fun  
[01:58] <MoDo> Not really  
[01:58] <Doos> a pingout means that your isp couldnt keep the connection going  
[01:58] <Annie\_> yeah i know  
[01:58] <MoDo> Can you help Riniel figure out her/his problem?  
[01:58] <Frank> looks like riniel could be with aol  
[01:58] <MoDo> lol  
[01:58] <Annutara> how do I draw zircon's spectrum for a theoretical test?  
[01:59] <Annutara> randomly scratch out 40 lines?  
[01:59] <Doos> lots of ink  
[01:59] <Snizzy> □12lol  
[01:59] <Catrix> □03Well all my mother in law is set to arrive and I must get SOME of the cobwebs down.  
[01:59] <Frank> a line about 650 is diagnostic i think  
[01:59] <Snizzy> □12bye Cat! :-)  
[01:59] <Frank> cya cat  
[01:59] <Doos> lol Annutara basically yes  
[01:59] <MoDo> See you in the forum Cat  
[01:59] <Catrix> □03so thanks for the great info and I hope to come back next week  
[01:59] <Snizzy> □12hope so Cat!  
[01:59] <Doos> bye Catrix  
[01:59] <Annutara> ... this diffraction grating spectroscopy doesn't have scales to read out 650  
[01:59] <Annutara> :(  
[03:00] <arainboz> bye cat  
[03:00] <Catrix> □03Waving to all and a peck for Doos  
[03:00] <Doos> Catrix, dont be a stranger during the rest of the week  
[03:00] <Annutara> k so I'll scratch out 40 lines next time  
[03:00] <MoDo> You have to try to remember where the lines are.  
[03:00] <Frank> I have two zircons (small ones) and none of them show lots of lines  
[03:00] Catrix (~Catrix@172.169.214.164) left irc: Catrix  
[03:00] <Frank> both have the line in the red at 650 or so though  
[03:00] <Annutara> is there difference b/w the spectra of the low and high zircons?  
[03:00] <MoDo> Would those be low zircons?  
[03:00] <Frank> me?  
[03:01] <MoDo> You asked  
[03:01] <Doos> low type zircons will have less spectrum lines  
[03:01] <Frank> one is green (low) one is blue (?)  
[03:02] <Annie\_> oh the high types can be any colour  
[03:02] <Frank> how far towards being metamict is blue?  
[03:02] <Annutara> let me write that down  
[03:02] <Annie\_> green is low which is metamict  
[03:02] <Frank> and blue?

[03:03] <MoDo> Does this mean one day my beautiful blues will turn green?  
:-(  
[03:03] <Annie\_> Frank, anyone and everyone, any questions on tonights  
prac  
[03:03] <Doos> yah, if you get to live that old  
[03:03] <MoDo> I plan to ;-)  
[03:04] <Annutara> I'll query you after my lesson tomorrow  
[03:04] <Frank> no pretty clear.....how long would you spend on a stone  
with your lrns annie?...doos???  
[03:04] <Annutara> :)  
[03:04] <Frank> lens not lrns  
[03:04] <Annie\_> Frank, a full tab report or tests should take you at  
least 20-25 minutes  
[03:05] <Annie\_> on handlens is about 5 minutes  
[03:05] <Doos> never more than 15 mins in total, from lens to sg  
[03:05] <Frank> per stone.....to diagnostic?  
[03:05] <Annie\_> Frank what is irns  
[03:05] <Doos> Annie is a woman, so slow by nature  
[03:05] <Frank> a misspell is all.....it should have been lens  
[03:06] <Annie\_> you said lens not irns  
[03:06] <Frank> I had written lrns in the post just above  
[03:06] <MoDo> Doos, you lucked out!  
[03:06] <Frank> I was correcting the mistale  
[03:06] <Doos> lol seems so MoDo  
[03:07] <Doos> mistale?  
[03:07] <MoDo> But I noticed :-(  
[03:07] <Frank> Doos.....if you were appraising a very expensive  
stone.....would you spend longer  
[03:07] <Doos> only if I was uncertain  
[03:08] <Doos> I would even ship it to a lab  
[03:09] <Frank> lol.....where annie does an extra ten minutes to be  
certain?  
[03:09] <Doos> no bad in saying "I have no clue"  
[03:10] <MoDo> A man admit he doesn't know 8-0  
[03:10] <Frank> me and doos are modern men modo  
[03:10] <Doos> that is the best lesson, to know your flaws  
[03:10] <Annutara> why does zircon have uranium in the structure?  
[03:11] <MoDo> Just please don't be metrosexuals!  
[03:11] <Doos> Annutara, darned Osamam  
[03:11] <Doos> -m  
[03:11] <Frank> is that like sex on the underground  
[03:11] <Doos> mile down club?  
[03:11] <MoDo> That's a man that takes longer to groom himself than his  
woman does!  
[03:12] <Frank> lol vanity is a dreadful curse  
[03:12] <Doos> not my fault, that guy in the mirror needs it, not me  
[03:12] <MoDo> lol  
[03:12] <MoDo> Hey, Doos, where's my photo?  
[03:13] <Doos> you didnt get it?  
[03:13] <MoDo> As if you sent it?!  
[03:13] <Doos> holdon  
[03:13] <MoDo> Don't even have me download a llama again :-(  
[03:13] <Annie\_> i gpotta go guys, i got someone at the door  
[03:14] <Annie\_> bye all  
[03:14] Annie\_ (~Annie@203.102.244.250) left #yg.  
[03:14] <MoDo> Bye, Annie.  
[03:14] <MoDo> Oops.  
[03:14] <Snizzy> ☐12Bye Annie

[03:14] <Frank> I'm off too.....clocks moved so it's 03;20am here  
[03:14] <Snizzy> ☐12Bye Frank  
[03:14] <MoDo> Bye, Frank  
[03:14] <Frank> bye all.....nice chat  
[03:15] <Annutara> ciao  
[03:15] Frank (~Frank@172.168.193.134) left #yg.  
[03:15] <arainboz> adios  
[03:15] <Doos> modo: <http://yey.be/doos.jpg>  
[03:15] <Doos> uh bye frank  
[03:15] <MoDo> I wonder if Frank realizes Daylight-Saving Time doesn't  
start until NEXT Sunday?  
[03:15] <Doos> bye annie  
[03:16] <Doos> its this weekend

... lots of chatty after this