



UV Waves

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Newsletter of the Fluorescent Mineral Society

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President's Message

By: Jan Wittenberg, President, #0819, West Hills, California

The annual Tucson FMS Meeting on Friday, February 12th went well. There were 60 people in attendance and some great door prizes. The new meeting place that Don Newsome found, a church in the Tucson foothills, is nice. It is close to the convention center and has a good size, comfortable meeting room.

A group from the church prepared food at a nominal charge. For the first time since the meetings moved from the old Executive Inn selling was allowed at the meeting. I spoke to several of the people that brought minerals for sale, and they were all satisfied with how that part of the meeting went. This meeting seemed more enjoyable than past meetings at the Shriner's hall. I think that the food and the mineral trading/selling helped turn the focus from business toward rocks and socializing. All in all a pleasant evening.

The Society's change of structure from assigned regions to chapters and interest groups set up by the membership is now a fact. The old geographic regions are being removed from the back of the UV Waves and we will start listing the new affiliates and adding contact information from them as we receive it. Al

Liebetau has a form based on our first chapter, the Southwest Fluorescent Finders application ready to send out to any one that requests it. We will be writing up some basic suggestions for group formation to post on the website so that people who want to form groups are not working totally from scratch. Two members came up to me after the meeting offering to set up a lamp building and discussion group, and a group to work up an educational program that could be downloaded from the website and used by people that want to give a presentation on fluorescence.

I mentioned elections and the need for members to come forward to form a nomination committee, and to take over some of the board positions so that the guys in LA do not have to continue carrying the Society's organizational duties. I also announced that I will continue on as unelected president for the rest of the year, and would assist whoever took the position to help them get started.

The 2010 Journal is on track, and Maryann is in the process of laying out the first of the articles. She asked that members send (manning.mm@verizon.net) her photos she can run in this issue. I mentioned the idea of people putting together brief photo essays on a favorite mineral locality or mineral that Maryann could run. With the reduced production costs we can afford more pages per issue. We just need the material to publish.

Al gave a treasurers report and reviewed the proposed budget for 2010. We have roughly a one year cushion in the bank. Membership numbers are on track to slightly exceed last year's. Al has completed a draft constitution and shared it with the constitution committee. He will be offering it for member comment once the committee has

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completed its review. Al emphasized that the constitution has requirements for scheduled elections, and the importance of sticking to that schedule if the Society is going to continue as a viable group.

After the business meeting Don demonstrated a new spectrophotometer (Photo Research PR-650). He showed the response of a piece of UO₂ activated opal, and a piece of willemite. He overlaid the graphs on a computer so that members could see how the spectrophotometer works, and what it can tell us about a mineral.

FMS Board Meeting Minutes for January 19, 2010

By: Jan Wittenberg, President, #0819, West Hills, California

To Order: 7:30 PM

Present: Jan Wittenberg, Kevin Brady, Jeff Wilmot, James Horste, and David Stuck

Secretary's Report: Jan Wittenberg's notes of the December meeting accepted as read.

Treasurer's Report: A full Treasurer's report for 2009 was received. Ending balance is \$12,584.00.

Old Business

Henkel Glossary Project: Mineral name spreadsheet has been indexed to the file pages for the more common minerals and they are ready for verbatim entry of locality and response data. New Lyones scans are heavy on duplicate entries. How much can only be determined through a line by line review. File page scans are broken into blocks and posted on Picasa, password protected so that they are only accessible to the person doing the entry.

New Business

Beginning now the meeting Minutes will be posted on the website and only bullet points will be published in the UV Waves. Future rosters will be posted on the website rather than using up a whole issue of the UV Waves to print it out. Hard copies will be supplied to the Membership Chair for inclusion in new member packets, and made available to members who request them.

Storage costs are close to \$1000 a year and we need to reduce this. Jan and Jeff will take an inventory of the storage unit to see what we have stored. Bulk of material is Journal and UV Waves back issues. We will scan all UV Waves and post them on the website reserving only enough copies for archival purposes. Jim will look for software to store the Waves as searchable files to make them more usable. Offer all back issue Journals to members at half price as long as stock is available. Retain enough sets for archival purposes.

Kevin Brady will manage a silent auction this year. Jim Horste will photograph auction items so that they can be posted on the website. Auction items will be minerals, tools and books. FMS will donate a complete set of Journals to the auction. Corby Waste has designed a new FMS publicity poster and will be getting samples printed to show at the Tucson meeting. Reimbursement of up to \$50 was approved.

Adjourned at 9:00 PM

The Passing of Mark Brandt

By: George Polman, #520, gpolman@polmanminerals.com, Phoenix, AZ

It was at the Tucson FMS meeting this past February 12, 2010 that I learned from Don Newsome about the untimely passing of my good friend and customer Mark Brandt on February 4, 2010. As you may have learned by reading Don's article in the March/April 2009 UV Waves issue about Mark as part of the "Featured Collector" series, Mark was a long time fluorescent mineral collector who lived in Bellevue, Washington.

Mark had been a good customer of mine for many years, but I first met him while doing the Tucson Gem and Mineral Show at the InnSuites Hotel. For those of you who remember my room at the InnSuites, there was a nice small patch of grass just outside my room. I sold at the InnSuites Hotel for about 8 years before retiring from doing shows. Each year that Mark attended the show, he would always stop in to see what was new, and to chat about fluorescent minerals and the hobby in general. Mark was the kind of guy who would stop in on day one, buy some specimens, chat for a while and then leave. On day two, Mark would then return, and do the same thing all over again! When he

got tired or bored with the show, he would always return to my room and chat some more. I mentioned the grassy area because he loved to sit on the grass, lean against the other building, and smoke a cigarette. He always wore that familiar leather jacket that he was known for.

On days when the customer traffic was slow, I would hang out with Mark on the grass and chat. We had many long conversations about Franklin, Franklin collectors, fluorescent minerals, the fluorescent mineral hobby, or anything else we wanted to talk about. Heck, one day we talked about Lionel trains, another interest of his. Needless to say, we became pretty good friends over the years.

Mark was a very passionate collector, and absolutely loved hardystonite specimens. I think he purchased all my good hardystonites every time he came to my room. According to Don's article, Mark had almost 1,000 hardystonite specimens in his collection. He also loved other Franklin specimens as well, having between 300 and 400 esperites!! Mark was also the very proud owner of an excellent Shuster Park margarosanite which was formerly in the collection of Bob Boymistruk. Although that deal was kept secret for a long time, Mark finally spilled the beans to me one day (I always wondered who bought that specimen!).

With the passing of Mark, the fluorescent mineral hobby has lost one of its biggest fans and supporters. The hobby will certainly miss him, as will I.

Editor's Message

By: Kevin Brady, #0463, kbrady@cslanet.calstatela.edu, Rancho Cucamonga, CA

A short message from your Editor. Well we've entered another year with our membership growing (see the number of new members in the last few Waves, including this issue) and more change expected. That change will hopefully be for the better, as we focus on improving the resourcefulness of our website, engaging the membership into participating in the business of the Society, and growing our outreach efforts through shows, development of area chapters and increased communication (hopefully through our publications!). I again ask that you send me whatever you are up to in the way of fluorescence, and I will continue to enlighten the membership on everyone's activities, interests and pursuits.

At the last Board meeting the suggestion came up to hold another FMS Silent Auction, all proceeds to benefit the Society 100%. To facilitate such an activity, we will need fluorescent specimens or other fluorescent-related items donated to the FMS. I have been placed in charge of this fundraising activity, so please identify a neat piece you might have that is an "extra", or something you would not mind allowing the FMS to auction off to other members on behalf of the Society. I always find through my collecting trips that I have some "extra" material which would serve well for this type of Society business. Maybe you are cleaning up and organizing your collection and have identified that one or more specimens that are due a new home. I know I do and will have a few pieces to add to this worthwhile event. Believe me when I say these FMS auctions generate a lot of enthusiasm, and I look forward in facilitating this for the Society. My mailing address is on the back of the Waves, or you can e-mail me at my address at the beginning of this message. It may take a few Waves to generate the needed inventory of auction stock, but when I have what I believe is enough material donated, I will list them in some yet to be determined fashion (hopefully on our website) with pictures and then the auction "is on". Just gearing up for the excitement. There is always a sleeper piece or two that astound even me, we'll see.

If you notice on the back of this issue of the UV Waves, all the previous regional groups have been deleted and the only newly established "chapters" are shown. For those groups wishing to be recognized as a chapter (can be geographic, subject, interest or otherwise based) you will have to obtain an Application for Chapter Affiliation from either Jan Wittenberg or Al Liebetau. Their contact information is on the back of this issue. I know the FMS intends to get that application on the website for groups to access more readily, but for now please request it directly from the aforementioned individuals. For now previous active regions are shown as provisional Chapters pending documentation.

Keep the articles, informational pieces, show reports, meeting reports and collecting activities coming into me so I can continue the UV Waves in a tradition we all have come to expect. Your Editor...

2009 Denver Meeting of the FMS - September 20, 2009

By: Al Liebetrau, #594, Powell Butte, OR

The Denver regional meeting of the FMS was held on Sept. 20 in the Denver Merchandise Mart on the final day of the Denver Gem & Mineral Show. Bruce Geller called the meeting to order at 3:00pm. The following persons were present: Bruce Geller (Colorado School of Mines, FMS), Sandy Fuller (RockBiz, FMS), Ed Raines (Colorado School of Mines, FMS), Al Liebetrau (FMS), Julian C Gray (Tellus Northwest Georgia Science Museum, FMS), Kevin Boulter, Fred Hart (FMS), James Kasal (FMS), John Karahalios, Marjory Regel, Steve Harris, and Aaron Rever (FMS).

Bruce called for someone to serve as secretary for the meeting. There being no other volunteers, Al Liebetrau volunteered to take minutes.

Following a brief round of introductions, Bruce asked for a volunteer to serve on the Denver Show Committee (DSC), in which capacity this person would represent the interest of the fluorescent group. Bruce reported that DSC has been very supportive of the fluorescent group. In past years, the DSC has provided up to \$1,000 to cover expenses of a noted speaker (Mark Cole in 2008, Dick Hauck in 2009; previous speakers have included Manny Robbins, Dick Bostwick, Don Newsome, and Stuart Schneider), and has provided support to purchase fluorescent lights and other equipment. The DC continues to support these activities largely because it recognizes the "draw" of the fluorescent displays. Kevin pointed out that we are more limited by the wattage available in the Merchandise Mart to run better lamps than we are by the willingness of the DSC to help us purchase them.

Al Liebetrau, FMS Treasurer, gave a report on FMS activities. The FMS is emerging from a difficult period in its history, but now has the membership roster once again under control (membership now stands at approx 400), is producing the UV Waves on schedule (thanks largely to the Publications Committee consisting of Kevin Brady, Don Newsome, Mark Isaacs, and John Smith), and Karl-Heinz Russ and Maryann Manning have produced two outstanding issues of the Journal. Karl-Heinz Russ and Maryann Manning have collaborated to produce not only a Journal of exceptional quality, but one that is also beautifully formatted and pleasing to the eye.

Plans are underway to continue to revise the Constitution, to continue improvements to the FMS website, and to hold elections. Website modifications are currently a subject of active discussion. Jan Wittenberg (FMS President) has yet to constitute a Nominating Committee and establish a timetable for elections. It was emphasized that all FMS members will be eligible for nomination and election to office in any future elections.

Revisions to the Constitution were put on hold so effort could be devoted to restoring other FMS roster and getting the UV Waves on schedule. A major issue to be resolved before a new Constitution can be completed is the treatment of affiliated groups (i.e., Chapters and Regions). The adoption of a "Chapter" concept involves two basic changes. First, affiliated groups need not be geographically-based, but can be "interest groups" formed by persons with similar interests. Second, the impetus for becoming an FMS group shall come from the group rather than from the FMS hierarchy. Those in attendance were generally supportive of the proposed changes and expressed the desire to "get on with it."

Next, Bruce invited those in attendance to report on recent fluorescent activities. Highlights follow (limited somewhat by my terse notes and lack of memory). Aaron Rever reported that because of his recent transfer to Bakersfield, his recent collecting activity had been mostly of the "silver pick" variety. Mary Regel reported on her collecting experience at Point of the Rocks mine in New Mexico, where she found material similar to that from Mt. St. Hilaire. Sandy Fuller participated in the Franklin dig, where she found some "uncommon material," and collected calcite and chalcedony in the Black Hills. Jim Kasal showed some material that he had collect at Gray's quarry near Glendo, Wyoming. He also told of collecting a pocket of hydrozincite in New Mexico over the past two years, and showed scheelite and calcite that he had collected at Huacuita, New Mexico. Bruce Geller complimented Ed Raines for developing the fluorescence mineral display at the Colorado School of Mines, describing it as "one of the best" and pointing out that it is the most popular display in the museum. The display has one case each of SW and LW fluorescent minerals.

Julian Gray reported on a new fluorescent display at the Tellus Museum. The display is housed in an 8-foot case, expandable to 12 feet. The timer was supplied by UV SYSTEMS, Inc., and the lighting was provided by Way Too Cool. The display includes 26 specimens that were donated by Linda Gurski, Mark Cole, and Herschel Ward. Julian also reported that the museum had just acquired a 290-pound, 16-inch sphere of fluorescent willemite and calcite from the Purple Passion mine.

Al Liebetrau reported on his collecting trip to Ilimaussaq complex in Greenland in August 2008. Highlights included some highly tenebrescent sodalite and "fantasy rock," which sometimes exhibits as many as seven different colors of fluorescent material. He collected at the Purple Passion mine in February, where he found a five-color specimen (calcite, fluorite, willemite, aragonite, and caliche). In March, he accompanied Jan Wittenberg and Jim Horste on a collecting trip in the Shadow Hills near Adelanto, California, where he found specimens of hydrozincite, caliche, hyalite, and calcite. Ed Raines reported that in addition to setting up the fluorescent display at CSM, he had been studying the orange-fluorescing material from North Carolina. Based on XRF analysis, he believes that the material is a mixture of barium, calcium and zinc, and that the fluorescence is possibly caused by barytocalcite, but probably not calcite.

Fred Hart reported on collecting trips to Sweetwater, Wyoming, where he collected calcite and chalcedony, and to Salida, Colorado, where he found scheelite. Kevin Boulter reported on collecting trips to Sweetwater (with Fred Hart), where he found fluorescent common and hyalite opal, limestone and caliche. On other trips, Kevin also reported finding barite near Fall River City, Wyoming (near Kemmerer, home of Ulrich's Fossil Gallery), calcite (like that form Otero County, CO) near Edgemont, South Dakota, and calcite with blue barite in the Shirley Basin, Wyoming.

Numerous door prizes were distributed following the description of activities. Each member in attendance obtained at least one specimen to add to his/her collection.

The formal meeting concluded with a discussion of possible speakers for 2010. It was decided to invite Lee McIlvaine to speak on the minerals of Langban. If Lee is unavailable, the backup plan is to invite Glen Waychunas to speak on a topic to be determined.

"ULTRAVIOLATION 2009" A Chronicle of the Show of Shows

By: Chuck O'Loughlin #1679 and Howard Green #1164

What do the falling leaves, rain and the mass migration of fluorescent mineral collectors to the far off Fairless Hills of Pennsylvania have in common? Why of course the celebration of the 20th anniversary of Ultraviolation, the World's premier (and only) fluorescent-only mineral show, hosted by the Rock and Mineral Club of Lower Bucks County!

Eerily the 20th anniversary of the Ultraviolation show coincided with Halloween, which created a major problem as even under the best of circumstances it is difficult to differentiate between a fluorescent mineral collector and a Vampire. Both seek the dark and shun the light and their pasty skin color just isn't normal, although fluorescent mineral collectors aren't noted for sucking the blood of young virgins.

As a result of the Herculean efforts of the host club, the basement of the First United Methodist Church of Fairless Hills, PA, had been transformed into an appropriate lair for fluorescent minerals. Or as The Glowfather, Ralph Thomas likes to say, "A black light district". By the 9AM opening on the day of the show the hall had become a bustling market place of rare and exotic fluorescent minerals bursting forth in a kaleidoscope of vibrant colors.

Three impressive fluorescent displays dominated the front of the hall. A collection of Vaseline Glass with its atomic yellow-greenish glow was provided by Merrill Dickinson. Howie Green presented an electrifying display of classic specimens from the Long Lake Zinc Mine in Ontario, Canada. A world wide display of scheelite with its vibrant blue glow was courtesy of the Sterling Hill Mining Museum, with onsite set up by Dick Bostwick, Tema Hecht, Rich Keller and Earl Verbeek. In addition to the displays, 23 exhibitors offered over 700 square feet and who knows how many tons of fluorescent minerals from around the globe for swap or sale.

A highlight of this year's show was the beautiful hand-crafted shadow box filled with a variety of exquisite fluorescent cabochons created and donated by Ralph Kovacs. The lucky winner of this door prize was George Adleman, a Fluorescent Mineral Society member who traveled from Arlington, MA to participate in this year's show.

The following list was provided by the dealers and appears to be rather mundane, but they are a modest group who severely understated the minerals available for sale or swap:

<u>Vendor</u>	<u>Minerals Available</u>
B & P Smith	Self-collected PA and NJ minerals, fluorescent cabochons & jewelry
Chris Luzier	Franklin and Sterling Hill minerals
Howie Green	Greenland and Langban, Sweden assortment
Kerry Cooper	World-wide classics
Martin Besso	Franklin classics
Gary Moldovany	Franklin and Sterling Hill minerals
Dominic Richards	NJ, PA and CT minerals
Pete Stoeckel	Eastern USA minerals
Howard Heitner	Franklin and long wave assortment
Karenne Snow	Self-collected eastern USA minerals and fossils
Richard Bostwick	Common and exotic Franklin, Sterling Hill and misc. world wide
Tema Hecht	Super exotic world wide
Juan Gonzalez	Assortment from Franklin and Long Lake, fluorites from Wise Mine, NH
Ed Johnson	Sodalite from Norway, and other unusual world wide
Rich Eisenman	Fluorescent spheres, hardystonite cabs and more
Fred Ligori	Zoned calcite and other rare exotics
Dru Wilbur	Franklin & Sterling Hill classics
Gerry McLoughlin	Classic NJ
Kurt Henning	Franklin and Sterling Hill
Arpad Szabado	Eastern European minerals
Ralph Thomas	World wide delights

I was impressed by the size and quality of the many fine fluorites from the Weardale Mining district that were available. Kerry Cooper offered brilliant andersonite and other classics that drew a lot of attention. Howie Green had many samples of the gorgeous material that he and the Team Greenland crew collected on the dumps at Langban. There was also the usual strong representation of Franklin and Sterling Hill gems including esperite, hardystonite, wollastonite, willemite, etc in all shapes and sizes.

It was our good fortune to have in attendance several notables from the world of fluorescent minerals, including Manny Robbins, author of *A Collector's Guide to Fluorescent Minerals*, Herb Yeates, webmaster of www.luminousminerals.com, and Lee McIlvaine, the living nexus of FMS east and west. Speaking of Herb Yeates, those of you who know him know that he is the consummate aficionado of the fruit durian. The fruit is quite controversial as evidenced by this description lifted from Wikipedia: *The edible flesh emits a distinctive odor, strong and penetrating even when the husk is intact. Some people regard the durian as fragrant; others find the aroma overpowering and offensive. The smell evokes reactions from deep appreciation to intense disgust. The odor has led to the fruit's banishment from certain hotels and public transportation in Southeast Asia.* As a surprise, Howie Green secured some of the notorious fruit for Herb and friends to sample. Herb had the good sense to keep it in the parking lot, so that we did not have to edit the Wikipedia entry to note that the fruit has also be banished from Fluorescent Mineral Shows in the Eastern United States. The enticing aroma of UV-damaged flesh was not overwhelmed by durian putridicity!

Langban: A Trip Report

By: Robert Fendrich #0774, bob.arden.fendrich@valley.net, Thetford, VT

While the zinc mines of Franklin and Ogdensburg New Jersey have long been regarded as the worlds premier source of spectacular fluorescent mineral combinations, several other regions (e.g. Ilímaussaq complex of Greenland) have

also gained renown for their dramatic fluorescent specimens. In Europe, the locality that is best known in this regard is the Långban mining district in Värmland, Sweden.

There are notable similarities between the Franklin zinc ore bodies and the Långban area iron/manganese deposits. In both cases, the metallic ores may well have originated as hydrothermal deposits that were folded into a sedimentary host rock and then metamorphosed. Both locations have an enormous variety of minerals (about 357 from Franklin and 296 from Långban by recent counts, but the numbers have not stopped growing). Many of these minerals are exotic. At least thirty-five minerals are unique to Franklin, 24 unique to Långban. Around 130 occur in both localities (some no-where else). A major difference is that zinc dominates at Franklin, while at Långban zinc is quite scarce. Nevertheless, at Långban like Franklin there is an abundance of minerals that fluoresce brilliantly, sometimes in striking mixtures.

In 2005, after having lived 3 years in Germany (where I worked as a visiting professor), I decided that a visit to Långban was in order. It was time, I thought, to finally unpack the box of collecting tools I'd shipped across the Atlantic, charge up the battery of my UV lamp, and get out into the field again.

A preliminary check on the net, however, revealed that Långban has not been an active mining site since 1972, and that the major dump there is fenced off and restricted to approved research scientists. I therefore thought it would be prudent to find out if Långban was, in fact, still a place where one could hope to collect fluorescent minerals productively. An email to Don Newsome of UV SYSTEMS proved very fruitful in obtaining this information. Don passed my name and email address to FMS member Al Liebetau who had previously visited Långban, and number of Swedish collectors he had sold UV lamps to. Thank you Don, and thanks to the many collectors who responded. The consensus was that while the collecting was not what it had been, I would do OK if I was willing to settle for ordinary fluorescent items such as calcite and svabite, and perhaps some margarosanite. Good enough: I booked tickets for my wife (Arden) and me from Berlin to Stockholm on a budget airline. Following a suggestion by Axel Emmerman, an FMS member in the Antwerp Mineral club, I scheduled the trip for the start of August to coincide with the annual Långban Gem and Mineral Show, although this meant (due to professional commitments) I would have only two nights to collect. I figured if the field collecting was a bust, the "silver-pick" might come to my rescue at the show.

The 300 km (190 mile) trip from Stockholm to the Långban area took about 5 1/2 hours in the car we rented. It should have taken four, but we promptly got lost in the Stockholm area. Fortunately, almost everyone in Sweden speaks English. Someone finally recommended that we just keep following signs for Oslo. That worked.

Långban is too small to have a hotel, so we stayed in the nearby (mini) city of Filipstad. The one we booked (Kalhyttans Herrgård) is old Manor House with an annex that is being converted to a guesthouse. It's run by a very pleasant woman who provides home cooked meals on request. Our room was small but clean. Frej Sandstrom (one of the collectors who contacted me) had a booth at the show, and had offered to give us a quick tour of the collecting site. I called him on his mobile, and we agreed to meet at the mine-site about 10 in the evening. Note that in Långban in August, it doesn't get dark until 11.

Långban is located on Road 26, about 20 km (12 miles) from Filipstad. The mine entrance is on the left as you enter the town. The mine's Head Frame has been restored and is easily seen from the road. It now houses a small mining museum. The mineral show is an outdoor show held just in front at the museum, so when we arrived there were rows of booths with canopies.

Frej met us by the entrance road to the mining museum. A long-time Långban collector, he co-authored a chapter in the 1999 book, *Långban: The mines, their minerals, geology and Explorers*, published by the Swedish Museum of Natural history. To me he looked a bit like a grizzled old miner, although he never actually was one. Frej owns a small bungalow next to the mine entrance road. He walked us over the primary mine dump (which is locally termed the "Garden Dump", although the garden is long gone). It's about 100 feet left and to the rear of the mining museum. A strip of the dump (perhaps 150 feet long and ranging from 20 to 50 feet wide) lies outside the fenced off area, and anyone can collect there. It's filled with an abundance of large and medium size boulders, and so riddled with pits dug by collectors that it looks a bit like a minefield where all the mines have gone off. A second dump area (the Lake Dump) is just across the road, and stretches a considerable distance back to Lake Långban. A lot of the material there is waste from post 1940 dolomite mining operations, but there is also waste from the earlier ore mining operations. It

is only recently that there has been much interest in it. There's also a small dump area next to Frej's bungalow. He told me it had been a good source of barytocalcite, but was now pretty well picked over.

After showing us the dumps, Frej took us to his bungalow where he had flats of fluorescent minerals from a variety of Swedish locations other than of Långban (e.g. the Garpenburg mines). I bought several pieces for very reasonable prices. Then Frej bid us good night, and we sat in the car and waited for proper dark. It got chilly and began to drizzle. Arden commented that perhaps she would wait in the car and stay warm and dry. I told her that was fine, but she should check if I was gone for more than an hour to see if I'd fallen in a pit and broken an arm or leg. She adopted her long-suffering expression and got out her poncho.

After reaching the Garden Dump, I began cautiously climb over the rubble, flashlight in one hand and UV lamp (a SuperBright 2000SW) in the other. It was slow going in the dark, but it wasn't necessary to go far. A lot of the rocks were non-fluorescent, but scattered among them were boulders of bright yellow-orange fluorescent svabite, brilliant orange-red calcite, and bright cherry red fluorescent dolomite, sometimes in combination with each other. Some calcite-dolomite mixtures were truly striking. Occasionally, masses of black hematite (or hausmannite, black is black) in the dolomite were surrounded by rings of the fluorescent calcite. I returned to my pack to get my hand sledge to started making carrying sized pieces. Arden made a round trip to the car to pick up our extra carrying bag. We only had about forty-five minutes before the rain decided to get serious, but that was enough time to gather all the weight that the two of us could carry.

The next day we headed for the show, which proved a bit of a disappointment. I searched in vain for Långban fluorescents. What was available was the usual Brazilian, Chinese, and Mexican material. Frej and a couple other dealers did have some flats of Swedish specimens, but they were all intended for micromounters and/or collectors of exotic species. My sole purchase was a specimen being sold as "Zebraite" for the equivalent of about 3 dollars. It consisted of repeating narrow stripes red fluorescent calcite in a black hematite matrix. (Stripes: **zebra**-ite). Making matters worse, the previous evening's rain continued and was intermittently torrential. When a dealer trying to clear the lake that was forming on his canopy dumped it as a waterfall on my head, we took cover in the mining museum. There were nice displays of old mining equipment, mine models, and historical photos of mining operations. I would probably have enjoyed it more if my boots didn't keep making loud squishing noises.

Al Liebetrau had mentioned he had found good material at a nearby site he referred to simply as "Jacobsberg." I asked Frej about it, and he told me it was a nearby mine dump that might well be of interest to a fluorescent collector. He also told me it was easy to find if you knew where it was, and impossible to find otherwise. Happily, he offered to take us to the location after the show that evening if the rain relented. It did. For the record, the Jacobsberg dump is located off Road 246, 13.8 kilometers (by my car odometer) north of the junction of Roads 246 and 63 in Filipstad, just before you get to the old mining town of Nordmark. There's a small parking area (big enough for 2 or 3 cars) on the right side of the road if you're coming from Filipstad. From there, an old double rut road leads into the woods, narrowing almost immediately to a trail. The dump is an upward sloping bare gray area to the right of the trail. It's a short quarter mile from the paved road, and very easy to see.

At first glance, it didn't look promising. A flat, dismally dark gray weathered granular surface is covered with chunks of gray-black rubble. Frej told us that there had been Johnbaumite that could be found there, and gave me a sample of it as a gift. It's about a 2 by 2.5 by 3 inch specimens with a lot of violet-pink fluorescing Johnbaumite in it, and is now a part of my main fluorescent display. I owe you, Frej. Despite the dumps inauspicious look, Arden and I returned at 11 that night. I fired up my SuperBright, and the ground blazed red everywhere.

When I started pulling up and breaking rocks, calcite, svabite and calcite-svabite mixtures were abundant. In several pieces, the mixture was remarkable, with flame like branches of pale orange fluorescing svabite branching and swirling in a deep red fluorescing calcite matrix. Arden got tired of sitting on a boulder swatting mosquitoes, and asked how she could help. I gave my little backup Versalume lamp, and told her to look for anything with an unusual fluorescent color, like pink, blue, violet or white. A bit later she came over with a chunk of rock and asked "Is this anything?" Flakes of bright white margarosanite were scattered in a dark matrix with flecks of red and orange. I said, "Honey, where did you find this?" Scraping just below the surface in that area produced several more chunks of the same material, some with regions of finely disseminated blue-green fluorescent cymrite. One again, we carried about as much as we could carry back to the car, although, alas, no johnbaumite had been found.

The next morning I went back to the show to thank Frej again, but he was gone along with a lot of other dealers: For all intents and purposes washed away by late night thundershowers. Then it was time to go. Altogether, we shipped more than a hundred pounds of rock back to Germany. I started wishing we had another night. I found myself wondering what we might have found in the Lake Dump. And where was that johnbaumite? I started thinking we would have to make another trip.

Despite the best intentions, it was almost two years before we actually made that second trip. We were living back in Vermont again, but I took a two-day break during a work visit to Germany. Unfortunately, the visit was at the start of June. I had read that fluorescent collecting was difficult in midsummer due to the long days, but chose to ignore that warning. I figured there would be at least a couple hours of real darkness. Wrong. As midnight approached, the light did drop to a late dusk state, and I was able to do some collecting by holding my lamp fairly close to the ground, but by 1 AM things were getting brighter again. Nevertheless, I was able to gather about 50 pounds of rather showy material, including (from Jacobsberg) a small boulder laced with veins of margarosanite in red fluorescing calcite that looks a bit like a Franklin Buckwheat dump hydrozincite in calcite. Also from Jacobsberg, there were specimens that split along thin layers of a powdery white mineral with a fluorescence that ranges from pale gray-blue to pink, sometimes speckled with flecks of bright white margarosanite, red calcite, and bright orange svabite. I don't know what this mineral is, but the color mix can be awfully pretty.

In closing, I should note that in the Långban/Nordmark mining district there are many other abandoned mines and mine dumps with a fluorescent mineral potential that remains to be determined. Is Långban still collectable? Absolutely. For the collector of exotic microminerals, the pickings may have become lean, but for the fluorescent collector, riches still abound.

How Did I Get Started? - Linda St-Cyr

By: Linda St-Cyr, www.middleearthminerals.com, Sparks, NV

An FMS Sustaining Member shares her story on how she began into the mineral business. I started selling minerals in 2005 in order to be able to play with them as much as possible. The website launch (www.MiddleEarthMinerals.com) had to be delayed until I retired from my engineering job at Boeing in 2008. I worked in anti-submarine warfare for 8 years, as a rocket scientist (no kidding) for Rocketdyne for 20 years, and in large COIL lasers for the last 4 years. While at Rocketdyne, I began visiting school classrooms to introduce kids to fun science activities. I brought some minerals to illustrate frozen chemistry to the kids. In short order, had to admit that I was hooked on minerals and was really buying them for myself.

Eventually I intend to combine minerals with science gadgets and open a small museum here in Sparks, NV. Of course, fluorescents will figure prominently in the display. In the meantime, I also use fluorescence to help ID rare minerals, so I love my new copy of the Henkel Glossary that the FMS publishes. I hope that the FMS will also expand the Excel spreadsheet that has locality information, and make this information available online with photos. I'd love to contribute to that effort.

Team Greenland In Sweden - 2009

By: Howie Green, #1164, royalp53@verizon.net, Jericho, NY

In 2007, when Team Greenland was on hiatus, Adventuremeister Mark Cole and I considered visiting Långban, but eventually chose to collect at Langesundsfjord in Norway (see 'Glowhounds in Norway', in UV Waves 2007; 37(5):2-4, originally titled 'Rocks and Lox in Norway'). After our return to Greenland in 2008, reconsideration of a Sweden trip began. Having spoken with Bob Fendrich about his trips to Långban, I asked him for advice. Bob suggested that I contact Frej Sandström, a senior member of the Långban Mineral Society, and a co-author of the famous 1999 book, 'Långban: the Mines, Their Minerals, Geology and Explorers'. Frej nominated Kjell Gatedal to be our local contact, and we were on our way. The timing of the trip was determined by the availability of my son Danny (Gr02), my partner on my first trip to Greenland, who would be in Europe in early June. Bob expressed interest in tagging along and forwarded his terrific Långban trip report (inexplicably unpublished by UV Waves) for guidance. Al Liebetrau

(Gr08) also offered useful advice based on his past experiences at Långban. Other members of Team Greenland came on board; Lee McIlvaine (02, 04, 05, 08), Don Yonika (04, 08), Al Robb (08), Earl Verbeek (05), and Herb Yeates (03, 04, 05, 08) signed up to accompany Danny and me (02, 03, 04, 05, 06, 08). Luckily, airfare was relatively inexpensive, and Kjell arranged accommodations at the on-site house of the Långban Mineral Society which cost us only \$15 per person per night. Unfortunately, Mark (01, 02, 03, 04, 05, 06, and 08) was unable to join us, and Earl was forced to cancel at the last minute. Their absence was the only disappointment in an otherwise perfect trip.

Lee, Al and Don decided to join Danny and me in Stockholm for three days of tourism before heading to Långban. We arrived safely (except for my nose, which was attacked and broken by a runaway revolving door in the Stockholm bus station) on the eve of Flag Day, a National Swedish holiday. We stayed at the Clarion, a beautiful hotel in Södermalm, which has been described as ‘the Brooklyn of Stockholm’ because of its multi-ethnic working-class populace. On our first day, we did a walking tour of Gamla Stan, the historic old city, and took a boat tour of the Stockholm archipelago. Flag Day for the Swedes was museum day for us. We went to the Historiska Museet, which featured a mesmerizing collection of 100 lbs. of gold jewelry. The Tekniska Museet had an exhibit about the history of iron mining in Sweden. The Naturhistoriska Riksmuseet housed a beautifully displayed mineral collection, featuring a well-conceived display of a fraction of its 25,000 rock Långban suite. There were also remarkable examples of minerals from Langesundsford, including a brick-size cleavage of solid leucophanite. Another feature was the historic collection, still in its elegant original mahogany display cases, of former curator Hjalmar Sjögren, which he donated to the museum in 1901. On our last day in Stockholm we went to the Nobel Museum (great movies of prizewinners describing their own achievements) and to the Vasa Museum, Stockholm’s “must see” attraction. The Vasa was designed to be the world’s most magnificent warship when built in the 1620s, but ironically sank due to countless engineering flaws in a gust of mild wind ten minutes into her maiden voyage. Raised in the late 20th century, this restoration is truly fascinating to experience. On the culinary front, our fare was characterized by herring of all sorts (now digitally immortalized for the sake of Danny’s grandfather), by the Clarion’s world-class free breakfast, which included ‘authentic’ Vermont maple syrup from Canada, and by Swedish meatballs classically garnished by lingonberries and pickled cucumber. Stockholm impressed us as an extremely friendly place, a fascinating mixture of traditional and modern, cultured and safe in all respects, and featuring an ultra-efficient public transportation system. Our Bruce Springsteen sighting was anticlimactic, as he seems to have been Born to Run from his hotel lobby into the back of a waiting car without acknowledging his fans. ABBA was nowhere to be seen. All in all, the Swedes that we met were fabulously outgoing, interactive and very curious about our hobby and our country, especially New York, the Yankees and the Detroit Red Wings (nine Swedes). We were, however, somewhat disappointed by the quality of Swedish beers and blondes, and by the shocking lack of availability of ice cream. Ben and Jerry’s in Gamla Stan was our only worthy score. In contrast, each evening in Greenland we savored soft-serve, that although curiously resistant to melting, was a treat nonetheless.

We then picked up the newly arrived Bob and Herb for the trip to Långban, in the Province of Värmland, a four hour drive west mostly through pasture land. Långban itself is essentially a ghost town. Filipstad, a ten minute drive from Långban, is home to ten thousand residents, numerous pizzerias, two modern supermarkets, and the factory for Wasa flatbread. (Pizza in Sweden is a multinational dish, variously topped by pineapple, lox, kebabs, curries, and just about anything else imaginable.) All of our non-mineralogical needs and wants were available in Filipstad (including Swedish underwear that I purchased as a present for my wife- she’s still searching for the rest of the material). Our accommodations at the Mineral Society ‘clubhouse’ in Långban were more than adequate. (An interesting but thus far unsuccessful behavioral experiment is in progress at the house. When going onto the porch to indulge their filthy habit, the smokers in our group would invariably crack their noggins on hanging flower pots suspended there. However, this aversive conditioning failed to inhibit the victim’s urge to smoke, apparently due to the deleterious cognitive effects of the head trauma, leading to more smoking and more head banging. The Swedes have coped by switching to ‘smokeless’ tobacco, which they insist is not unhealthy.)

Let the collecting begin! We quickly discovered that night collecting in Sweden is significantly easier than in Greenland, and day collecting unnecessary. The proximity of each collecting site simplifies equipment requirements, facilitates mineral hauling, and eliminates the need for camping. Light travel was the rule; a small pack, a hammer, DEET, a head-lamp and UV lights were sufficient. We were equipped with either idiosyncratically souped-up SuperBrights or unique art deco versions of the famous MinerShop UVPaddle. (Due to this being his first trip with Team Greenland, Bob had only a traditional SuperBright, and he claimed to have suffered from a moderate degree of ‘luminous envy’.) Lithium-ion batteries powered our lamps for the entire night. Our routine was to leave home at 10

PM, scout until darkness, about 11 PM, and collect until dawn. The weather was routinely cool and comfortable, and the frequent drizzle actually enhanced collecting by extending the hours of darkness. Swedish mosquitoes were no match for a cohort with our arctic experience!

Our group's multi-talented makeup proved efficient and enjoyable. Herb (now living in FL after decades of cruising NJ Rte. 23) and Lee (CA by way of Philadelphia) are the geologists among us, and their tenacious drive to collect rocks is always inspiring (although they have the tendency to carp about others not following the group). Al's ability to explain and engineer anything (he's a physicist from the Bay area) is a life-saver, and his sunny disposition and optimistic views are refreshing. Although it was occasionally necessary for us to coax Bob (neuroscientist from VT) out of his shell, his previous experiences in Sweden and in general kept us continually enthralled. It's just the opposite with Don (environmental expert from NH), who can be quite a chatterbox, and who is always surprising us with his observations of people (especially female) and flora. Despite being only peripherally interested in the mineralogical aspects of the trip, Danny (NY, future radiologist) more than held his own when forced to collect. His social aptitude provided useful guidance. My (northwest NJ originally) unique skill is the psychiatric study of rocks and where they like to hide. And I can cook!

Throughout our stay, our Swedish hosts supplemented our collecting efforts by exposing us to the human side of life in Sweden. Our three guides had visited Franklin/Sterling Hill two years ago, and the hospitality that was offered to them at that time (FOMS members, especially Earl, take a bow) was repaid amply by these incredibly gracious men. Kjell, a professional carpenter, is single-handedly building a mineral museum, right down to chopping down the trees, cutting planks at the saw mill, etc. (The alternative apparently is to buy an unassembled museum in a flat-pack box from Ikea complete with dowels and hardware). The museum is part of the extensive Mining Village Restoration in the neighboring town of Nordmark, and is definitely worth the trip. Our visit was the subject of articles in two local newspapers. We also spent an enjoyable morning salivating over the systematic mineral collection at the museum of the Filipstad School of Mines and Metallurgy, of which Kjell is an active alumnus. Please check out his photo gallery of local minerals and polished sections on Mindat. In addition, Kjell's contribution of Wasa Bread (hard, flat and sturdy if not particularly edible) to our kitchen alleviated our need to secure extra packing material for rock shipping. Erik Jonsson, the president of the Långban Mineral Society and also a co-author of the Långban book, joined us for a barbecue at Kjell's home and then led us on a tour of abandoned mines in the Nordmark area. He offered extensive descriptions of the geology of the entire Bergslagen mining district, which had over 1000 iron mines at one time. His expertise left most of us in the dust, and I was happy that this didn't seem to disappoint or deter him. Ingulf Flamborn, a lawyer living in southern Sweden, drove for six hours to meet us. He brought material to trade, and guided us through mining tunnels that predated the advent of blasting (stone was excavated using fire.)

Our first collecting foray was to the Lake Dump. The Långban area was originally mined for iron ore (mostly hematite) in 1711, and then for manganese ores (hausmannite and braunite) beginning in the 1870s. That these metals occur in separate minerals differs from the case at Franklin/Sterling Hill, where both iron and manganese can occur in the same mineral species. Another important distinction is the abundance of zinc at F-SH but not in the Långban area. Commercial mining for metal ore ended in the 1950s. Waste rock was dumped on the shore of Lake Långban. This area has piles of rock up to thirty feet high, and the dump extends a half mile from the road to the lake. Attractive fluorescent combinations were available to collect. We found orange fluorescing calcite dispersed in red fluorescing dolomite in extremely large (50 cm+) sample sizes, smaller pieces of pinkish-white fluorescing barytocalcite in non-fluorescing hematite, and minor spots of margarosanite and scheelite in calcite. Al's claim to have been chased by a wolf is unconfirmed, but I understand that there are plenty of bushy-tailed wild squirrels in the area.

The next day we began to tackle Långban proper. Lunch was purchased at the current incarnation of Chez Långban, a former pizzeria and apparently the sister deposit of the Franklin Diner. Unfortunately, the chef, Jorge, became increasingly despondent and desperate when his dreams of financial salvation were spoiled by our practice of self-catering throughout the rest of the trip. (Danny's major disappointment was the paucity of fish in the lake. He had planned on fishing with Don, a legendary master baiter and angler who supplied dinner for us each evening while in Greenland.) The Långban Miner's Village was quaint, but Kjell didn't allow us to visit the mineral museum, as its curator is "an artist rather than a scientist." There is also an interesting exhibit on the life and work of Långban's favorite son, John Ericsson, who built our Civil War ironclad, the USS Monitor. Predictably, the Swedish version claiming a grand victory for the Monitor runs contrary to our historical view that the battle was essentially a draw.

Mineral collecting opportunities at Långban are mainly on the famous Garden Dump, with an “Inside the Fence” area being reserved for pre-approved scientific study. We only had actual permission for the former, of course. Nevertheless, availability of mineral species was ample on the Garden Dump, an approximately 300 square meter area of 100 lb. boulders arranged in craters (think Buckwheat in the 1960s). Our fluorescent yield (essentially all SW) was satisfying. Boulders of calcite and svabite, fluorescing orange and yellow respectively, dimmer pink fluorescing tilasite, and blue-gray fluorescing scapolite in combination with orange fluorescing calcite were easily found. The myopic among us were able to find enough “hood-ornament-in-your-dreams” sized swedenborgite on calcite (vividly fluorescent blue dots (1-3 mm) on an orange background) to satisfy their lust. Just don’t sneeze directly on the rock!

As Bob noted in his trip report, the most successful fluorescent collecting takes place at the Jakobsberg Mine dump in Nordmark. This small prospect sporadically yielded moderate quantities of hematite and hausmannite from 1863 until 1918. Bob’s description of Jakobsberg is excellent, and the diversity of fluorescents here was easily better than at any other site. Each collector’s preferences determined specific targets, but after several nights of collecting, everyone came away extremely pleased. My own favorites were thick veins of calcite/svabite/johnbaumite in hausmannite, fluorescing orange/yellow/lavender, and calcite/margarosanite/wollastonite fluorescing orange/blue-white/yellow-orange. I collected large samples of the former and smaller but quite satisfying pieces of the latter. Danny was especially proud to have found the nicest example of johnbaumite. The others were more successful in collecting brightly blue-white fluorescing margarosanite, extensively covering surfaces of calcite. Lee was able to gratify his childhood dream of being crowned the King of Margarosanite! My best pieces of margarosanite were visibly impressive needles which I obtained in trade with Ingulf, who valued the Franklin/Sterling Hill stuff that I brought for him. I also found a few quality pieces of cymrite, which glowed a brighter green than I expected from seeing other pieces in Kjell’s collection. Jakobsberg yielded an impressive variety of enigmatic fluorescent unknowns, with color combinations ranging from purple and blue to various hues of red and yellow. Herb is already hard at work on identifications.

Our one “away trip” was to Hasselhojden, in Örebro Province, a thirty minute drive from Långban. Inexplicably I found this site more inspiring than the others did, and I came away with many beautiful display-sized examples of bright orange fluorescing sphalerite veins and dimmer green fluorescing willemite veins on a pink fluorescing calcite matrix. Occasional sky blue fluorescent hydrozincite accents the mixtures.

Two days before our return we took time out from collecting to attend a local mineral show in Kopparberg. Despite the fact that many dealers were local collectors, the availability of fluorescents was disappointing. The attraction for us was in meeting local mineral enthusiasts. I managed to trade Franklin and Sterling Hill goodies for some fluorescents from Garpenberg, which is essentially a closed site as of now. I came away with willemite/calcite samples of decent quality. In addition, I bought a small but attractive specimen of Swedish rosenbuschite to augment my disappointing yield of the same from the Langesundsford area. I particularly like the fluorescent (peach) and phosphorescent piece of wollastonite, from Striberg in Westmanland, that I bought from Frej. I was also able to trade for non-display-worthy samples of fluorescent catapleite and pollucite. To Herb’s delight, he was able to purchase a signed copy of NH Magnusson’s 1930 opus ‘Långbans malmtrakt: the iron and manganese ores of the Långban district.’ Herb describes this as “not quite equivalent to Palache (1935), as its focus is on the geology, but nonetheless a landmark paper on Långban.” I can imagine Herb’s characteristic purr of delight as he peruses this find!

The day before our return was spent culling, packing and shipping (after Lee’s late morning return from a night of carousing with college friends in the resort city of Kristinehamn.) We each sent back 20-60 kg. of rocks by mail (\$70 for 20 kg.), and each brought back up to 75 kg. by airplane. I had sent back 50 kg. of rocks with Danny, who returned a few days early to begin his medical internship in Austin, TX. This bag was temporarily lost, but eventually arrived back home via Amsterdam. The remaining six of us enjoyed a final celebration dinner at the SAS airport hotel the night before departure.

All of our rocks have arrived home safely. Photos are circulating on the web, via e-mail and by CD. Further trimming, organizing, and efforts at mineral identification and display arrangements are in progress. We have maintained contact with our Swedish hosts and a return visit is being contemplated. Our upcoming task is to share our experiences with fellow glowhounds at meetings, shows, and online (please email me at royalp53@verizon.net). But most exciting for me is the anticipation of reliving (and embellishing) this wonderful experience with the Sweden 09 group.

Notices & Announcements

STERLING HILL SUPER DIG

FLUORESCENT MINERAL COLLECTING AT STERLING HILL, NJ

Saturday, April 24, 2010 from 9:00 AM to 11:00 PM

Location:

Sterling Hill Mining Museum

30 Plant Street

Ogdensburg, NJ 07439

The Delaware Valley Earth Science Society (DVESS) and the North East Field Trip Alliance (NEFTA), in cooperation with the Sterling Hill Mining Museum, invite you to share an international collecting experience. This field trip has attracted dedicated collectors from across the globe. For a list of the rare minerals found at this site, visit http://uvworld.org/mineral_list.pdf. **On-line registration ends at 1:00 AM EDT on Monday, April 19, 2010. You will have to spend time to register in person Saturday morning if not registered on-line.** Tools and UV lights will be available for purchase at the Franklin Museum and the Sterling Hill Mining Museum. The Sterling Hill dig and find area will have excavation/turnover of fresh NEW soil areas for your digging pleasure – tens of tons of new material has been pulled down from the mountain just for us (that's what this year's fees help to pay for). Attendance is by advance reservation. Sign up early! We must have at least 100 people. And in case you are wondering, it is rain or shine – some come prepared. We will have access to the upper workings! All collectors must carry liability insurance that covers damage to the property, such as the insurance offered by the EFMLS to its affiliate clubs. Your club must co-sponsor the activity in order to be covered by Federation policies. If you have no other means of insurance, you may join the DVESS on-site (while registering) to get coverage by the DVESS insurance. Age restrictions are 5 to 12 year olds can dig in "Mine Run Dump" with an adult; 12 years old and up can dig in the pits (preferable with an adult). Cost for the event is \$20 if paid by check or \$21 if paid by PayPal. There will be a \$1.50 per pound charge on all material collected. For further information, pictures from previous events, or questions please contact Jeff Winkler at (973) 835-2582 or Google the "2010 Sterling Hill Super Dig".

NORTHWEST REGION OF THE FMS MEETING

Location: Don & Alma Newsome's Home, 16605 127th Ave. SE, Renton, WA 98058

Date: Saturday, July 10, 2010 through Sunday, July 11, 2010.

For Information Contact: info@uvsystems.com or Phone (425) 228-9988

A few of the activities planned are: selling and trading of fluorescent minerals, checking your SW filters, demonstrations of fluorescent spectra, looking at fluorescent collections, outstanding free door prizes, and an optional field trip on Sunday. Lunch will only be \$3.50 per person (so you do not have to bring any food). Contact Don Newsome for more information.

New Members & Address Changes

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Carl-Johan Linden
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William C. Mattison #0742
(apartment no. should be): 22

Alan J. Wilkins, M.D. #0894
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Coto De Caza, CA 92679-3919

Ed Levesque #0999
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Lakewood, WA 98416

Duane A. Stilwell # 1712
(city should read): Nyack, NY 10916

Dave W. Redman #0931
(street address should read): 6939 E. Rustic Drive

Fluorescent Mineral Society 2009 Treasurer's Report - Summary

Summary

Beginning Balance (1/1/09)	\$ 10,398.68
Receipts	10,377.02
<u>Disbursements</u>	<u>8,190.87</u>
Ending Balance (12/31/09)	\$ 12,584.83

Future Events

March 5-7, 2010	Newark, California	West Coast Glow 2010 @ 10:00 AM
March 8-14, 2010	Deming, NM	Southwest Fluorescent Finders Chapter Field Activity Associated with the Deming Gem & Mineral Show
March 13-14, 2010	Turlock, California	44 th Annual Turlock Gem & Mineral Show @ 10:00 AM Contact Bud & Terry McMillin at (209) 524-3494
March 16, 2010	Pasadena, California	FMS Board Meeting, Villa Gardens @ 7:30 PM
April 24, 2010	Sterling Hill Mine, NJ	2010 Sterling Hill Super Dig
April 20, 2010	Pasadena, California	FMS Board Meeting, Villa Gardens @ 7:30 PM
June 12, 2010	Kent, CT	8 th Annual Mineral & Gem Show, 9:00 AM to 4:00 PM @ Museum Grounds of the Connecticut Antique Machinery Assoc. Contact: www.ctamachinery.com or phone (860) 927-0050
July 10-11, 2010	Renton, WA	Northwest Region of the FMS Meeting

Thanks To Our Sustaining Members

Sustaining members make additional contributions that support the FMS website (www.uvminerals.org) and other FMS activities. The FMS website contains links to the websites and e-mail addresses of our sustaining members. Your patronage of these members is appreciated.

The FMS does not specifically endorse or promote any dealer or product, but we believe your time will be well spent viewing what these providers have to offer. For those new to the hobby, visiting the sites of these FMS sustaining members will give you a valuable opportunity to learn more about the exciting world of fluorescence and to become acquainted with what they offer to enhance your enjoyment.

3rd Planet Samples
www.3rdplanetsamples.com

Jeanne's Rock & Jewelry
www.jeanesrockshop.com

RMS Graphics
www.bdsrocks.com

Anderson's Fluorescent Minerals
Phone: (858) 488-1420

Middle Earth Minerals
www.midleearthminerals.com

RockBiz
e-mail: rockbiz8@cs.com

Arizona Ultraviolet
www.azuv.com

Mineralman USA
www.mineralman.net

Stuart L. Schneider
www.wordcraft.net

Capistrano Mining Company
www.capistranomining.com

Mineralogical Research Company
www.minresco.com

Terlingua Calcite & Cinnabar
www.terlinguacalcite.com

CB Ward Fluorescent Minerals
www.fluorescentminerals.com

MinerShop
www.minershop.com

UltraViolet Lighting Products
www.uvlp.com

Cyberocks & Minerals
www.cyberocks.com

Polman Minerals
www.polmanminerals.com

UV Systems, Inc.
www.uvsystems.com

Fluorescent Minerals from China
www.susanstones.com

Purple Passion Company
www.purplepassionllc.com

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<i>Southwest Fluorescent</i>			
<i>Finders (SWFF)</i>	Mardell A. Zimmermann	425 E. Greenway Drive, Tempe, AZ 85282 USA	mardyz@wmonline.com
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*So. Cal Group	Jan Wittenberg	23101 Valerio St., West Hills, CA 91307 USA	jwittenberg@sbcglobal.net
*New England FMS	Chifuru "Chief" Noda	11 Trudy, Brockton, MA 02301 USA	newengland@uvminerals.org
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*Europe FMS	Paul Van Hee	Marialei 43, B-2900, Schoten, Belgium	pvanhee@skynet.be
** – denotes provisional Chapter status until formal applications can be reviewed by the Board			
Book Sales Contact	Don Snyder	1339 Haupt Ave., Richland, WA 99352 USA	phone (509) 946-8293
FMS Webmaster	Ed Anderson	784 – A, Dolores Street, San Francisco, CA 94110 USA	webmaster@uvminerals.org

The FMS board meets the third Tuesday of each month at 7:30 PM in the game room of the Villa Gardens Retirement Center, 842 E. Villa Street, in Pasadena, California (just west of Lake Ave., North of the 210 freeway, N 34°09.256', W 118°08.023'). Any and all FMS members are welcome to attend these meetings, but calling ahead is recommended for irregular attendees to check for cancellation - call (818) 702-8972. The registration fee for new FMS members is \$5.00 U.S., plus yearly dues of \$20.00 for members in the U.S.A., or U.S. \$25 for non-U.S.A. members. The Fluorescent Mineral Society does not recommend or endorse any products, vendors, services, or service providers mentioned in any part of this newsletter.

Are Your 2010 FMS Membership Dues Past Due!

If you receive the UV Waves by bulk mail or first class mail, check your address label for the expiration date of your membership. If you receive the UV Waves by e-mail, check that email for the expiration date of your membership. If that date is NOT 2010 or beyond, your 2010 dues are now PAST DUE. Unless you renew immediately, this is the last issue of the UV Waves that you will receive.

Dues for 2010 are as follows: \$20 for residents of the United States, \$25 for residents of all other countries. A discounted rate of \$18 is available to ALL members who elect to receive the UV Waves by e-mail (called eWaves). (The discount is \$2 for US residents and \$7 for residents of all other countries). New members pay a one-time \$5 initiation. For convenience, you may renew for up to three (3) years.

Dues payments may be made either (i) via PayPal through the FMS website (www.uvminerals.org, click on the link to "Join the FMS") or (ii) by sending a check to the following address:

Fluorescent Mineral Society
PO Box 572694
Tarzana, CA 91357-2694
USA

Consider becoming a sustaining member of the FMS. Sustaining membership dues are \$50 per year for residents of the USA, \$55 for residents of all other countries. For more information, visit the FMS website or contact Al Liebetrau, FMS Treasurer, at liebetrauam@msn.com or +541-504-4751.

MEMBERSHIP APPLICATION

Last Name: _____ First: _____ *Member Number: _____

Address 1: _____

Address 2: _____

City: _____

State: _____

Country: _____

Postal Code: _____

Home Phone: _____

Work Phone: _____

e-mail address: _____

PLEASE PRINT

Alternate e-mail address: _____

PLEASE PRINT

USA DUES (\$20)

2010 2011 2012

Other Countries (\$25)

2010 2011 2012

e-mail delivery of the eWaves (\$18)

(Requires a valid email address)

2010 2011 2012

* **New Member (please add \$5)**

(*a membership number will be assigned)

Total Payment: _____

Please return by Dec, 31, 2009

(Must be returned by March 30, 2010)

Send payment to: Fluorescent Mineral Society
PO Box 572694
Tarzana, CA 91357-2694 USA