



## PACIFIC NORTHWEST CHAPTER BULLETIN

### PNWFM HOSTS SILVER SYMPOSIUM

The Northwest chapter of Friends of Mineralogy held its 25th annual mineralogical symposium at the Day's Inn in Tacoma, WA on the last weekend in September. In keeping with its silver anniversary the show featured talks and displays on silver minerals. Bob Meyer served as symposium chair for this landmark event and if rave reviews are an indication did an admirable job.

Featured speakers were Peter Megaw, president of IMDEX, Inc., who spoke on Mexican silver occurrences and Stan Dyl of the A.E. Seaman Mineralogical Museum, who spoke on Michigan silvers. In addition, Chapter members filled the Sunday morning program with talks related to Northwest minerals. Ray Lasmanis spoke of the development of the DeLamar Silver Mine in Idaho. John

Cornish gave a talk on Washington pseudomorphs. Bob Meyer keyed on the Keystone #1 Mine. Alaskan Yugawaralites were featured in a presentation by Rudy Tschernich. All of the talks were very well presented and very well received. The speakers were obviously experts on their chosen subjects and were informative and entertaining. John Cornish did an excellent job as speaker chair and master of ceremonies. The program ran smoothly, right on schedule, with plenty of breaks for viewing minerals and socializing.

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### PNWFM BRINGS CHRISTMAS EARLY TO RICE MUSEUM

In its largest donation to date, PNWFM members voted at the business meeting during the 1999 Symposium to give up to \$2000 to the Rice Museum to build and maintain a case which could house rotating displays from FM members. It was noted during the meeting that cash reserves had accumulated over the past several years. In keeping with the charter goals of FM to both preserve and educate about minerals, a motion was passed to fund the special case.

The \$2000 needed was budgeted by the Executive Board into the 2000 budget at its November meeting. It was decided by the Board that this cash gift would be made directly to the museum who would then purchase, maintain, and curate the case. A small PNWFM logo plate will be affixed to the case. FM will develop a list of members who would be willing to display, but the museum will choose which displays it wishes to utilize and will make all arrangements in setting up the displays with the individual members.

Members should be proud of this important contribution to the mineral community. By funding the case, providing their expertise, and loaning their collections, members can help promote the very goals for which their club was established. The public can have the chance to view the fantastic treasures hidden in private collections and members can have the pleasure of showing their specimens in a secure environment.

### BOB BOGGS WINS NOBLE WITT AWARD

Bob Boggs received the PNWFM 1999 Noble Witt Award in ceremony before the banquet at this years Symposium. The award is made each year by the Executive Board to a person who's work or achievements exemplify the goals of Friends of Mineralogy. Bob has been a long standing active member of PNWFM. He is an avid micromounter and a member of the Northwest Micro Mineral Study Group, the Northern California Mineralogical Association, and the Southern California Micro Mineralogists. He is possibly best known for his work on new mineral species, especially those from the Washington Pass area. His work along with that of Russ, his son, was instrumental in the discovery and description of four new mineral species, georgechaoite, calciohilairite, tschernichite, and boggsite. The mineral boggsite is named in honor of Bob and his son Russ.

### Noble Witt Award Winners

- 1993 - Mike Groben
- 1994 - Bob Smith
- 1995 - Norm Steele
- 1996 - Ray Lasmanis & Cheryl Burchim
- 1997 - Richard and Helen Rice
- 1998 - Arlene Handley
- 1999 - Bob Boggs

## PRESIDENT'S OUTGOING MESSAGE A LAST WORD

I have spent the last little while assembling and consolidating much of the paperwork and correspondence from my two years as Chapter President. Shortly, I will turn it over to our new President or file it away. During this time, I have had the chance to reflect a bit about our Chapter and about FM as a whole. A number of items come to mind:

First, the Pacific Northwest Chapter of Friends of Mineralogy is a "class act." We are an active and leading chapter, and we always have been that way. Throughout the history of our chapter we have had a stream (albeit a changing one) of dedicated members. In the beginning, future PNWFM members helped to spearhead the formation of the national organization, and conceived the idea of our chapter. Later, the vision of an evolving group of members nurtured our chapter until it assumed the form we know today. That dedicated vision is still alive in our members!

Second, as Chapter President, it has been a pleasure to be a part of that class act. I hope that I was able to contribute somewhat to the well being of our chapter. In particular, I am pleased when I consider our recent symposium. I think our format changes were successful and added to the enjoyment level of the symposium. I am proud of that and of the members of the symposium committee.

Third, I came away with some frustrations. For one, I would have liked to have done something to tie our chapter closer to the other chapters, and to the national organization. From my perspective as chapter president, the national organization was absent, if not an actual hindrance to our activities on the chapter level. I feel that a primary function of the national organization should be to coordinate chapter activities. In actuality, my dealings with the national organization came more along the lines of a grudging admission that we existed at all. Even the national newsletter failed to be of much service. Chapter events have been announced repeatedly after they have occurred (an embarrassment!), and the information has been inaccurate and incomplete--that despite very early notification of our events. Frankly, I see failure on my part due to a simple lack of time to follow-up and force something through.

## PNWFM 2000/2001 OFFICERS

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Another source of frustration comes a little closer to home. I worried about it a lot when I was president, and now, I suppose I still worry. It is a simple lack of member participation in our events, notably attending the symposium. Certainly, this is partially a factor of our demographics. Our members are not so much quitting as they are falling out from attrition. Others do not have access to transportation. The answer to this is simply to start bringing in some new, younger members--a new guard. However, how to do this? Again, we have a lot of ideas, that may or may not work, but few soldiers to carry out the mission. I think our new president will be able to help us in this area.

In addition, there is another factor in our dropping levels of member participation, and it is more frustrating to me than our lack of new members. It occurs when members who are capable of attending, simply do not. There are a variety of individual excuses, some good, ranging from an unavoidable time conflict to my favorite--involving personalities, egos, and old scores. As my Presidency is over, I guess I do not have to be quite as politic. I say to those who are capable of attending the symposium but who do not, "Keep it up. The symposium, and even our chapter's continuance, are not a given. They require your support!" In fairness, I should say that in the 17 years I have been attending PNWFM events, I have certainly not been the most active member. Far from it. On the other hand, I have missed just one symposium in that time, due to an unavoidable time conflict, and even still, I paid my registration fees that time.

That all being said, I would say that the positives that I have experienced as a chapter member and president have far outweighed the negatives. In particular, the times I have had with my fellow members have been a delightful experience. I am very thankful that I have had the chance to lead our chapter these past two years and I am glad to have had the opportunity to get to know many of you better. I learned a lot during this time, and I feel I am a better person because of this experience. I hope that our association will continue for a long while.

Thank you,

Bob Meyer, Member  
Pacific Northwest Chapter, Friends of Mineralogy

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## PRESIDENT'S MESSAGE:

We all thank you, Bob Meyer for a wonderful two years in FM. Under your leadership we had three great symposiums, many wonderful meetings, and some outstanding field trips. You will be a tough act for this president to follow!

Thank you Karen Hinderman for the several years you served as our secretary and registration clerk for our symposiums. You have a special way of making very tough jobs look easy, and always with a smile.

Thank you Cheryl Burchim for agreeing to continue our banking and bookkeeping in addition to being a super negotiator for our symposium hotel contracts. "Thanks" is small payment for your many years of dedicated service, but believe me, it comes from the heart!

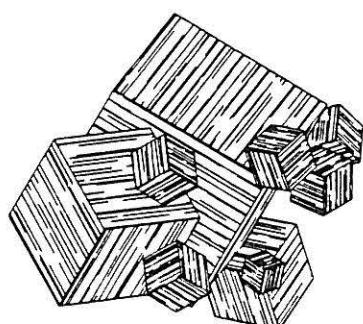
Thank you, every member who worked to make the past years successful for our organization. We have become strong and professional in our chapter operations. A terrific base from which to grow. I am proud to be your president and thank you for electing a great group of officers to share in the chapter leadership for the next two years.

The principle goal for this year will be to expand our membership, involve our members in FM activities, and to have a good time doing it! The challenge is for each one of us to give Jim Etzwiler, membership chair, our very best effort to reinstate those previous members who for whatever reason have not renewed their membership, and to bring on board our mineral loving friends to join in great fun with Friends of Mineralogy.

Please drop me a note, give me a call, or an email to volunteer for a project or to pass along your ideas for the organization. With your support our Pacific Northwest Chapter of Friends of Mineralogy will continue to be strong and professional AND WE WILL HAVE FUN!

Sincerely,

Sharleen Harvey



## VP HEADS MEMBERSHIP DRIVE

Jim Etzwiler will coordinate efforts to bring new members to PNWFM under a plan adopted by the membership at its most recent business meeting. The members voted to add to the duties of the vice president the job of overseeing outreach and developing new members.

No time was lost in initiating the plan. Money was allocated at the Board meeting minutes later for photocopying material to be distributed at the Seattle Regional Show. Jim designed and produced a brochure introducing FM and its goals with an invitation to join. This was placed at the Regional Show and at the Rice Museum and is available for further distribution.

Members should realize that bringing in new members is a responsibility and a reward for each individual member. What better thing could one do for a friend interested in minerals than to introduce them to FM? Jim is available to coordinate efforts and to supply resource materials for education and recruitment, but it is every ones job to help in the campaign. Make it a goal to bring one new person into FM this year. If each member does this membership will double!

## MUSEUM HOLDS GALA OPENING

The Pacific Mineral Museum in Vancouver, B.C. held openings for members in November. Construction delays kept opening plans in question up until the last possible moment, but a flurry of late activity allowed preview showings for members and donors to proceed as scheduled. Museum members got the first peek at the new facility on Thursday with preview for the local media and members of the Museum Society. Donors and invited guests got the royal treatment the following Saturday with a catered Black Tie Gala. Guests from the mining and mineral collecting community gathered for a special evening of celebration highlighted by the ribbon cutting on the vault gallery of gems and golds.

This museum is a valuable addition to the Northwest and is a must see destination exhibit. Mark Mauthner, museum director and curator and PNWFM member, has put together a museum filled with world class specimens for the general public and connoisseur alike. A large retail shop is included. Museum memberships are available which include free admission, newsletter, guest passes, discounts, and other benefits. Delays in obtaining final occupancy permits have prevented the museum from opening to the general public. It is expected to open early in 2000.

## SILVER SYMPOSIUM from front page

In a bold move by the symposium committee, the meeting room was split into two adjacent rooms this year. The displays and dealers were placed in one room while the talks and banquet were held in the second. This allowed for the addition of several more floor dealers and permitted the floor dealers to stay open during the talks. All in attendance agreed that this format worked well. The extra dealers and extended selling time created a greater sustained energy on the main floor. This floor plan will be used again next year. There were a large number of room dealers selling from the first floor rooms this year. An excellent assortment of material was presented by both professional dealers and private collectors. Any one who had money left at the end of the show had obviously not made the rounds. Rudy Tschernich did a fantastic job again this year in coordinating the dealers and booking the dealer floor.

The displays this year were possibly the best that the symposium has ever assembled. The quality and presentation was equal to any show anywhere. John Cornish coordinated the case displays and secured many world class exhibits. Please see Ray Lasmanis's article for a detailed account.

The Saturday evening program featured a spirited auction benefiting the symposium and a banquet meal. Awards were presented for the competitions. The highlight of the evening was the awarding of the Noble Witt Award. This year's recipient was Bob Boggs.

## SYMPORIUM 2000 PLANS

Plans are well under way to insure another successful symposium for the year 2000. A contract was approved and signed by the outgoing Board to continue our arrangement with the Day's Inn in Tacoma, WA. Dates have been set for Sept 22,23,24, 2000. Meal prices and room arrangements will remain the same. Members voiced enthusiastic approval of the two room set up utilized this past symposium and it will be used again.

The theme for the 2000 symposium will be "Minerals of Nevada". This theme was voted by the Board at their November meeting. A \$6200 working budget based on a break even projection was also voted. The registration cost was voted to remain the same as in 1999.

John Cornish has accepted the job of Symposium Chairman. He has already begun forming his working committee and has secured talented individuals to fill many of his key positions. There are still several vacancies on this critical committee. Contact John at 360-457-7630 or j&gcornish@tenforward.com for more information.

\* Ray Lasmanis says the Minerals of Washington List has been updated. New revised copies are available from the Washington State Department of Geology.

## 25th ANNUAL 1999 FM SYMPOSIUM DISPLAYS

described by  
Raymond Lasmanis  
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On our 25th anniversary, appropriately this year's theme was silver and silver minerals. The theme was well represented in twenty display cases with numerous silver minerals as well as outstanding native silver specimens. Quoting Bob Meyer: "Many who view these examples of various silver minerals will be puzzled by their lack of traditional beauty. To others who relish and yearn for specimens such as these, though, ...the hessites and the xanthoconites, that are displayed here, assume a true beauty, and rarity".

This year we had six cases representing organizations and museums. There was a case to back up a presentation by Robert (Bob) J. Smith on the history of the Pacific NW Friends of Mineralogy Chapter and a case from the Washington State Mineral Council. The following institutions had displays: the Pacific Mineral Museum from Vancouver, B.C.; collection of Seattle University, Seattle, WA; the A.E. Seaman Mineral Museum, Michigan Technological University, Houghton, MI; and, the Rice Northwest Museum of Rocks and Minerals, Hillsboro, OR.

The Friends of Mineralogy case by Robert J. Smith was titled "Friends of Mineralogy - the First 15 Years" and was in support of his lecture. The case contained programs from the first 15 symposia, the *Resource - Reference Booklet* of Jan. 1975, and two buttons: one saying "Welcome Friends of Mineralogy" from your friends at the Bellevue Holiday Inn and, two, "Welcome Back Friends of Mineralogy". The contents of the case were auctioned to benefit FM.

The Washington State Mineral Council case was set up by Kathryn Foster. It contained more than 50 Washington state specimens of lapidary rough, polished stones, fossils, and crystallized mineral specimens. The case included a nice group of actinolite xls. in talc from Lake Wenatchee, Chelan Co.; a beautiful single  $\frac{1}{2}$ " x 1" amethyst scepter xl. from Hansen Cr., King Co.; four specimens of quartz and calcite xl. lined geodes from Walker Valley, Skagit Co.; natrolite xls. from the Robertson pit, Mason Co.; and, a large stilbite bow-tie xl. on matrix from the Lewis River area, Skamania Co.

A very professional case was presented by Mark Mauthner of prized specimens from the Pacific Mineral Museum. Silver-bearing minerals are one of the collecting priorities at the Pacific Mineral Museum and it shows with the selection of 12 specimens - a number of which are world

\* The Rice Museum has acquired the Cle Elum gold suite from the Bancroft Collection. It should be on display this spring in their new safe case. Plan to check out the mineral shop while visiting. Sales support the museum.

class or the best for the locality. A real classic, the case contained a beautiful 1 1/4" long, curving, rams-horn silver wire on 3 1/2" matrix from Freiberg, Saxony, Germany (#UBC 4448). A world-class specimen of hessite xls., up to 1", on 1 1/2" x 2 1/2" white quartz xl. matrix from Botes mine, Zlatna, Romania (#RB 480) graced the case along with an incredible group of 1" long silvery acicular dyscrasite xls. densely perched on contrasting black 6" x 7" matrix, Mine #21, Pribram, Bohemia, Czech Republic (#RB 589). From Mexico there was a very fine 2 1/4" x 3" specimen covered by numerous shiny blue boleite cubes, Amelia mine, Santa Rosalia, Baja California (# RB 607) and, a 1" jalpaite xl. on 2 1/4" matrix of smaller jalpaite xls., Level 407, Rayas mine, Guanajuato, Guanajuato, #RB 634 (former #5336). From Cobalt, Coleman Twp., Ontario, Canada, the case had a old classic, 1/2" thick and 2 1/2" long attractive curving silver specimen (#UBC 1232). From the N.W.T., there were two specimens of thick curving silver wires from the Echo Bay mine at Port Radium (#UBC 3621) and a very lovely 1 1/2" x 2 1/4" group of 1/16" to 1/8" silver xls. covering the entire specimen from Hope Bay, South Victoria Island (#RB 646). The Northwest was represented by three specimens: a 1" group of black acanthite xls., Krao mine, Ainsworth, B.C. (#UBC 206); a 1 1/2" x 3" specimen of wire silver, Dolly Varden mine, Alice Arm, B.C. (#UBC 4926); and, a spectacular huge and massive 2 1/2" x 4 1/2" x 6" specimen of curving silver wires from the Highland Bell mine, Beaverdell, B.C. (#UBC 6116).

The Seattle University Collection was displayed by Robert J. Smith from specimens donated by Noble Witt. The following large (5" to 8") specimens were shown: brazilianite xls., Corrego Frio, Minas Gerais, Brazil; 3" bladed azurite xls. in a 4" x 8" group, Toussit mine, Morocco; aragonite xls. on sulfur xls., Agrigento, Sicily, Italy; 6" parallel, brown, doubly terminated dravite xl. group, Yinnietharra, Western Australia, Australia; 1" to 1 1/2" danburite xls. on matrix, Charcas, San Luis Potosi, Mexico; a copper "skull" from Calumet, MI; celestine xls. from Lime City, OH; galena xls. from the Double Rainbow mine, Galena, SD; strengite (?), Bull Moose mine, SD; large andradite xls., Garnet Hill Calaveras Co., CA; and, inesite xls., Hale Creek mine, Trinity Co., CA.

Stanley J. Dyl II, our symposium speaker, and Director of the A.E. Seaman Mineral Museum, presented seven examples of superb specimens from the Lake Superior Copper District. These specimens were used to complement his excellent presentation. All from Michigan, the case contained the following nicely displayed classic specimens: 3" high and 5" long group of coarse shiny silver xls., South Kearsarge mine, Kearsarge; a very attractive and most unusual looking specimen of 1/2" long bright silver xls. in

2"x 2" group perched precariously on 3 1/2" copper matrix, Kearsarge mine, Kearsarge; sharp, up to 3/4" long, terminated silver xls. on 2" copper matrix, South Kearsarge mine, Kearsarge; a 2 1/2" polished datolite nodule, Franklin mine, Hancock; another unusual specimen, nine 1" x 5" long, blade-like copper arms extending out from a common center (how does something like that form?), Calumet & Hecla mine, Calumet; a very aesthetic 6" x 7" group of copper xls., Quincy mine; and a 3 1/2" x 5 1/2" scalenohedral calcite xl. glistening with copper inclusions, Quincy mine, Hancock. The case also contained a Seneca Mining Co. stock certificate from the 1800's. Thank you for bringing these specimens to our symposium. For additional information see the special *Mineralogical Record* issue titled "Michigan Copper Country", Vol. 23, No. 2 (1992).

Sharleen Harvey presented some of best silver specimens from the Rice Northwest Museum of Rocks and Minerals collection. The case contained 19 outstanding specimens and two assay office silver artifacts - a assay button and a small bar. There were two classic native silver specimens from Kongsberg, Norway: thick silver wires on 2" x 2" matrix (#1646) and a spectacular world-class crystalline specimen 1" thick, 7" across, 6" high and consisting of step-like crystals arranged in curving rows (#2064). The centerpiece in the display case was a huge mass of small branching silver crystals from Michigan, 6" across and standing 7" high (#1057). From Chanarcillo, Atacama province, Chile there were two proustite groups: a 3 1/2" x 3 1/2" specimen with one inch long sprays of bladed xls. (#1488) and classic deep-red well formed 3/4" xls. in a 1 1/2" group (#1212). From Saxony, Germany, the case had a 1 1/4" argentite xl. on a 2 1/2" x 2 1/2" group of smaller xls. (#1592); sharp, 3/8" argentite xls. on 1 1/2" x 1 1/4" matrix (#1570); and, miargyrite micro xls. on 1" x 1 1/4" matrix (#1648). From the Harz Mountains, Germany, very sharp, lustrous, 1/2" pyrargyrite xls. in a 2" group (#1391) and a 5/8" dyscrasite xl. group (#1651). From Czechoslovakia (no detailed location) the case contained 1/2" and 1" stephanite xls. in a group (#1270) and from Hungary two specimens: miargyrite xls. on 1 1/2" x 2" matrix (#1387) and a 1" group of small hessite xls. (#1619). From New South Wales, Australia, there was a 3 1/2" x 3 1/2" specimen thickly coated by iodargyrite xls. (#1433). From Mexico (no detailed location) a lovely arborescent 1 1/2" x 2" group of silver xls. (#1720) and also a similar specimen marked from Arizona (#433); from Chihuahua a lustrous 2 1/2" x 3 1/2" mass of small xls. (#1601); and, from Sonora a 1" x 1 1/4" polybasite xl. group (#1388). Finally, from Colorado, a lovely 1 1/2" long herringbone specimen of coarse silver spikes (#1686). Thank you Sharleen for sharing those specimens with Friends of Mineralogy.

There were 14 individual cases. Jim and Rusty Etzwiler

\* Jim Etzwiler has agreed to remain as PNWFM representative with the Seattle Regional.

\* Tom Payne has opened a new mineral shop in Renton called Natural Gold and Jade. Its across from the new Safeway. Member Dan Ice has been helping out over the holidays.

\* Club members John and Gloria Cornish were honored recently when a new species of fossil crab was named after them. *Asthenognathus cornishorum* was described in the recent issue of "Annals of Carnegie Museum". John and Gloria provided recently collected material from the Psyti formation in Clallum County, WA to Carrie Schweitzer at Kent State University who recognized the new species and coauthored the article.

displayed 22 calcite specimens, 1" to 7", from various U.S. and world localities. From Baia Mare, Romania, there was an interesting 3" x 5" group of calcite xls. darkened by inclusions of boulangerite. From the Kola Pen., Russia, the case contained three specimens of orange calcite pseudomorphs after ikaite xls.: a 2" clay nodule with xls. extending out from its surface, a 1 1/2" sawed nodule, and a 1" group of radiating xls. From Camp Verde, Arizona, there was a nice 2 1/2" x 3 1/4" group of calcite after glauberite xls. From the Northwest, the case contained a 3/4" x 1" radiating group of white calcite after ikaite xls., Carter Creek, Alaska; from Red Cliff campground, Gallatin Co., Montana, a 1" x 1 3/4" golden calcite xl. on matrix; and, from Washington state a 6" x 7" group of calcite xls., Cadman quarry, Monroe (coll. by John Cornish in 1994) as well as a 1" x 1 1/2" calcite pseudomorph after ikaite (?), shores of Juan de Fuca straight. For an interesting discussion of calcite (possibly after ikaite), see *Sedimentology*, v. 19, no. 3-4, p. 219-235 (1972) titled "Petrography and Geochemistry of Rhombic, Calcite Pseudomorphs from Mid-Tertiary Mudstones of the Pacific Northwest, USA" by Sam Boggs, Jr.

A case titled "Minerals from Silver Producing Mines and Areas" was presented by Bill & Diana Dameron. The case contained 32 specimens in all of great beauty and aesthetic appeal. Each was a perfect specimen with contrasting colors from a group of three bright red 1" rhodochrosite xls. on tetrahedrite and quartz xls., Full Moon pocket, Sweet Home mine, Alma, Park Co., CO. to apple green botryoidal 2" x 3" specimen of smithsonite with tiny hemimorphite xls., San Antonio mine, Chihuahua, Mexico. There were dark, golden, 1/2" to 1" shiny barite xls. on 2" x 3" matrix from the Pohla mine, Erzebirge, Upper Saxony, Germany and my favorite from last year's case of pyromorphite xls. on manganese oxides and barite, Les Farges mine, Ussel, Corrèze, France. Also from the Pohla mine, there was a 2" x 2 1/2" specimen of native arsenic containing abundant herring bone silver inclusions (#629). There were, in total, 9 specimens of attractive barite specimens from places such as Laurium, Greece, Mexico, and Kazakhstan. Being a fan of galena, I was impressed by a xl. group from the Ninth of September mine, Madan, Bulgaria consisting of 1/4" to 3/8" thick, flattened, lustrous cubes stacked on each other in parallel growth on 2 1/4" matrix of contrasting white quartz xls. In keeping with this year's theme, three native silver specimens caught my attention: 1 1/2" high, dendritic growth of silver, White Pine mine, Ontonagon Co., MI; lovely classic of coarse silver wires, 2" x 2 1/2", with acanthite from Kongsberg, Norway; and, a 2" long rod-like group of silver covered by small xls., Elura mine, Cobar, N.S.W., Australia. The case also contained a lustrous 1 1/4" high, stacked group of acanthite xls. from the Sirena mine, Guanajuato, Mexico. From the Northwest, the Damerons

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\* Bill Dameron will be busy at Tucson. He's accepted the position of speaker chair and Master of Ceremonies for the 2000 Symposium and will be lining up speakers.

\* Member Lanny Ream's fine publication "The Mineral News" is now available online. Check his website.

showed two specimens of pyromorphite from the Bunker Hill mine, Kellogg, Shoshone Co., ID: a outstanding group of 3/4" long yellowish xls. and a smaller 1" x 1 1/2" group of greenish yellow xls.

John and Gloria Cornish presented an unusual collection with the title "Alteration, Replacement, Incrustation, and Paramorph Pseudomorphs from Washington State". The case supplemented his Sunday presentation on the same subject. There were 23 specimens in all from 1 1/2" long individual xls. to the center piece group of 1" to 2" thick and 6" long paramorph and/or replacement pseudomorphs of calcite after aragonite xls., Cadman quarry, Monroe, WA, to a 8" x 12" specimen and 4" x 7" tall, covered by 1" to 2" calcite xls. on an agate base, also from the Cadman quarry. The case contained 3 specimens of goethite after ankerite, Big Chief, King Co. and 6 specimens of goethite after octahedral 1/2" to 3/4" pyrite xls., including a 1" xl. on quartz xls., from a unspecified locality, King Co. From Timberwolf Mtn., Yakima Co. there was a quartz pseudomorph after a 1" calcite rhomb and quartz replacing a 1" single calcite rhomb on 2" agate matrix, Blewett Pass. There was also a smoky quartz pseudomorph after (?) from Washington Pass. Found on the beach, the case had the very unusual, up to 2" wide and 6" long, paramorphs/pseudomorphs of calcite after aragonite from Clallam Co. that were described by Boggs in *Sedimentology* (see case by Etzwiler).

Ron Taylor had two cases of pegmatite minerals. The first case, titled "Beryl - Aquamarine" contained 16 specimens, 12 of which were from the Gilgit Div., Pakistan. Of these, the centerpiece was a 4" x 7" specimen covered by numerous stout, up to 2 1/2" long aquamarine xls.; a 1" x 1 1/2" aquamarine xl. with smaller heliodor xls. on muscovite xls.; and, an absolutely flawless, single, 5/8" wide, 2 1/2" long terminated aquamarine xl. From other localities, there were 3 specimens from Minas Gerais, Brazil and one large group from Jurm, Afghanistan. The second case, titled "Tourmaline Group", contained 25 specimens representing well known localities in Brazil, Pakistan, Russia, and Madagascar. The tourmalines shown had a rainbow of colors from black to green, all shades of pink, and were from 1" to 3" long single xls. and matrix specimens of schorl, dravite, elbaite, and buergerite. From the US the case had a beautiful 3/4" thick x 2" long terminated bi-colored (pink base - green termination) xl., Himalaya mine, Mesa Grande district, San Diego Co., CA and from the Sceptre claims, Emerald Lake, Yukon Ter., Canada, a 5" x 6", divergent, felted mass of black acicular schorl xls.

Lorna Goebel put together a theme case of 23 specimens representing the various silver minerals from such places as Mexico, Canada, Czechoslovakia, and the US. From the

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\* Bart Cannon of Cannon Microprobe has been busy this summer checking out new (old) Washington localities. He found what he calls Washington's best micro locality. There will probably be several new species for Washington. He's still working investigating this so the site is still secret. Bart is also checking out a lot of manganese ores from the Washington peninsula provided by Ray Lasmanis at the State. These may also provide new species for Washington.

Northwest she had the following: 1" long silver wire from the Bunker Hill mine, Kellog, ID; jalpaite from the Brooks Range, Alaska; two specimens of pyrargyrite and a sample of argentite from Beaverdell, BC; and, from the Van Silver mine, BC, diaphorite micro xls. on 1" matrix and a specimen of fizelyite.

Judging from the number of specimens displayed, Lanny Ream's favorite area must be the Thomas Range in Utah. His display was titled "Topaz, red Beryl, Almandine - Spessartine, Bixbyite" and contained crystals collected by Lanny from 1975 to 1998, sometimes with the aid of Mike Menzies, John Holfert, and Steve Allred. The largest selection was a collection of 26 specimens from Maynards, Prismire Knolls, showing 3/4" to 2 1/2" long topaz xls. including a 2 1/2" x 4" matrix specimen studded by 1" long, sherry colored topaz xls. and a sprinkling of small bixbyite xls. and two specimens of bixbyite xls. scattered on 1" groups of hematite/topaz pseudomorphs after garnet. There were seven specimens from Topaz Valley: a 3/4" transparent flawless topaz xl. on 1 1/4" matrix (#96-17); small 1/4" almandine - spessartine xls.; a 1/4" red beryl xl. on matrix; and from the Knoll, three specimens with beautiful, up to 1", topaz xls. on matrix. Other Thomas Range material was: pseudobrookite needles on matrix (loc. not given); red beryl and a single 1 1/4" almandine - spessartine xl., Searles Canyon; small red beryl xls. on matrix and a single 3/8" red beryl xl., Wildhorse Spring; two almandine - spessartine xls., Garnet Basin; and two specimens of 1/4" bixbyite xls. on matrix, North End, Thomas Range.

Alan Young put in a very nice case of 35 thumbnails titled "Silver - Bearing Minerals". Both very rare species and crystals of the better known minerals were presented in an attractive manner. Some of the classics were: a horn silver specimen, Silver Islet mine, Lake Superior, Ontario, Canada; a 3/8" x 3/4" long, deep red perfect proustite xl., Chanarcillo, Atacama Province, Chile; a 1/2" long, terminated, single silver xl., Houghton Co., MI; a 1/2" boleite xl. on matrix, Amelia mine, Santa Rosalia, Baja California, Mexico; and, petzite on gold xls., Tuolumne Co., CA. From mining districts that now are ski resorts: very sharp 3/4" group of spiked silver xls., Aspen, CO and from the Anchor mine, Park City, Utah, perfect 3/4" tetrahedrite xl. with smaller pyrite xls. From the Northwest, Alan had owyheeite on 3/4" quartz matrix, Crown Point mine, Boise Co., ID.

Corky Russell displayed his favorite quartz xls. The centerpiece, shown last year, is a massive 76 kg. ametrine xl. group from the Anahi mine, Bolivia. This specimen is 18" wide and stands 13" tall and is said to be the second largest such group in a private collection. The case also had

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\* Mark Mauthner has done an excellent job putting together the Pacific Mineral Museum. Check it out on Howe Street in Vancouver, BC. Serious collector specimens are on display for sale in the entry gallery. The shop also features minerals from the Charles Key collection.

a 3" x 5" amethyst xl. sawn from the side of the above ametrine group. From Peterson Mtn., Hallelujah Jct., NV, he displayed a 5" x 6" group of parallel, doubly terminated xls. and a very nice, clean, 1 1/4" x 2" smoky quartz xl. from the Zapot mine, Hawthorne, NV. From the Northwest, Corky had three specimens: 1" pyrite xls. nestled among 1" to 2" quartz xls., Spruce 16 Claim, King Co., WA (also displayed last year); 6" x 8" group of quartz xls. with individual clear xls. up to 3" long, Green Ridge, King Co., WA; and, a 3 1/2" wide group of Japan Law twin quartz xls. with lots of inclusions from Mt. Teneriffe, King Co., WA.

Aaron and Jade Wieting put in a display titled "Recent Finds from Peterson Mtn., Nevada", a well known site near Hallelujah Jct. The display of 15 quartz (smoky, amethyst, scepter) specimens is from their 1998 field trip put on by Bob Jackson's Geology Adventures and published in *Mineral News*, Vol. 15, No. 2, p. 8-9 (Feb. 1999). The centerpiece in the case is illustrated as Fig. 1 on page 9 and is a very extraordinary specimen consisting of a triangular base, 12" on the side, covered by 1" to 2 1/2" smoky quartz xls. Out of the top of the cluster is a 5/8" thick and 3" long quartz xl. prism (repaired) on which is impaled a 3 1/2" by 6 3/4" scepter head. The specimen is reconstructed because as is typical of the locality, the scepter heads are separated from the shaft. The other noteworthy specimen in the case is a parallel group of smoky and amethyst xls., doubly terminated, and measuring 6" x 6" x 7".

To illustrate his Sunday presentation, Ray Lasmanis put in a case featuring the De Lamar Silver Mine, Owyhee County, Idaho. The case contained mining artifacts, silver mementoes, rare books, ore samples, and minerals. Having been responsible for the exploration and mine development of the property, Ray had in the case a silver coin to mark the production decision on 10/16/74 and a silver ingot to celebrate the start of production on 4/26/77. Besides high grade ore samples from the Sommercamp deposit there was a specimen of quartz pseudomorph boxworks after calcite (?) from drill hole GS-4, @ 200', Glen Silver deposit (9/25/75). A geode lined by quartz xls. from the 6316' bench, Sommercamp pit, (#2017) coll. 5/4/77 could be seen in the back. Of greatest interest, the case had three specimens with the best known mandarinioite xls. The specimens, with accompanying photographs by Dan Behnke, from mine coord. 45,475 N, 98,030 E, 6316 bench, Sommercamp pit and collected on 4/15/78 were: #2081-1, 2081-2, and 2081-3. Associated minerals are chlorargyrite and finely disseminated naumannite. A description of the mandarinioite find can be found in *Canadian Mineralogist*, Vol. 19, p. 409-410 (Lasmanis, et al, 1981) and titled "Mandarinioite from the De Lamar Silver Mine, Owyhee County, Idaho, U.S.A.".

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\* John Cornish and Dave Waisman have teamed up to sell at the Executive Inn at the Tucson Show this year. They will take over Peter Megaw's room and will handle Peter's material. Included will be new Mexican material, some things from the Megaw collection, over 1000 flats from a recent estate sale, and some of the partners Northwest minerals.

Rudy Tschernich titled his Sunday lecture and the case "Yugawaralite from Chena River Quarry, near Fairbanks, Alaska". The case contained photographs of the site, 48 miles east of Fairbanks, and specimens collected by Doug Toland and Joe Taylor during July, 1998 and now in the collection of Rudy. There were 9 specimens of yugawaralite with drusy quartz in the case. The best was a 6" x 8" plate covered by  $\frac{1}{2}$ " to 3/4" xls (#11290). Others were: three slightly larger than thumbnail specimens (#12429, 12430, 12442); four 2" to 2 1/2" groups (#11285, 11289, 12425, 12439); and a 3" x 5 1/2" plate of  $\frac{1}{2}$ " yugawaralite xls. (#12438).

Peter K. M. Megaw put in an outstanding display "Minerals of Mexican Silver Mines" to illustrate his Saturday presentation. There were 19 specimens in the case including adamite, wulfenite, quartz, and cobaltian calcite. The following were of special quality:  $\frac{1}{2}$ " acanthite xls. in a 2 1/4" group, Mina Rayas, Veta Madra, Guanajuato, Guanajuato; a 1 1/2" x 2" nugget of native silver, Batopilas, Chihuahua; 1" x 1 3/4" mass of silver, Veta Vizcaina, Pachuca, Hidalgo; a 1 1/2" group of stephanite xls., Veta Grande, Zacatecas; lustrous pyrargyrite xls. in a 3/4" group, Veta Chicharrones, Mina El Solar, Taxco, Guerrero; a lovely 1" herringbone silver xl. group, Mina Bacis, Santiago Papasquiaro, Durango; a very graceful, curving, 1/16" thick silver wire standing 2" high, Mina Valenciana, Guanajuato, Guanajuato;  $\frac{1}{2}$ " x 3/4" agularite xl. group from the type locality, Mina Sirena, 480 "El Sol Stope", Guanajuato, Guanajuato; 1" x 1 1/4" group of acanthite pseud. after pyrargyrite, Mina Rayas, 407 Stope, Guanajuato, Guanajuato; a beautiful specimen of acanthite xls., up to 3/8" thick and standing 2 1/2" tall, Mina Rayas, Veta Madre, Guanajuato, Guanajuato; wire silver on matrix, Fresnillo, Zacatecas; and, silver on 1 1/2" x 1 1/2" matrix, Alamos (?), Sonora. Thanks, Peter, for being our speaker and displaying the great specimens.

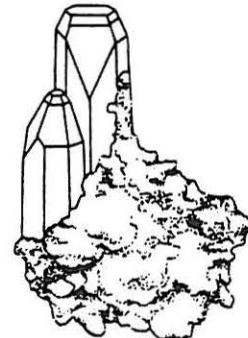
As in years past, Bob Meyer put in a great display of symposium theme minerals. The case contained 47 specimens in all: 8 large groups and 39 thumbnail to 2 1/2" specimens. What I find appealing with Bob's display is not only the quality but also the detailed locality information and the history of the specimens. In the case there were some very rare silver minerals: xanthoconite with proustite, acanthite, and arsenic, Schneeberg, Saxony, Germany (ex Jean Hamil coll.); imiterite on dolomite from the type locality, Imiter mine, Jbel Sarbro, Anti-Atlas Mtns., Morocco (ex Ecole National Supérieure des Mines des Paris spec.); and, a 2" x 2 1/2" spec. of argyrodite from Colquechaca, Bolivia. From the El Solar mine, Taxco, Guerrero, Mexico he had a 1" lustrous pyrargyrite xl. group and a 3/4" stephanite xl. group (coll. 1991). From the Rayas

\* They're working again at the Robertson Pit. They were drilling the week before Christmas. Gate is closed at the main road. A couple other quarries in the Capitol Forrest have also been producing. Check with your sources.

\* John Cornish has been busy this past month at the old Deep Creek fossil locality in Clallum Co. It's been producing fine starfish and brittle star fossils replaced by calcite.

mine, Guanajuato, Guanajuato, Mexico, there was a 3 1/4" x 1 1/4" xl. group of acanthite. The case contained a very attractive silver group on 3 1/4" matrix, Morrison mine, Gowganda, Ontario, Canada (ex. Rob W. M. Woodside coll.). From Arizona the case contained two rare specimens: a 1 1/4" x 1 1/2" specimen of bromargyrite with malachite, 200 Level, Shattuck shaft, Bisbee, Cochise Co., (coll. by Richard Graeme) and two specimens of boleite with cerussite and anglesite, Mammoth - St. Anthony mine, Tiger, Pinal Co. (ex John L. Parnau coll.). This is the best US locality for boleite. The 1" x 1 1/4" spec. was obtained for \$1.00 from Minerals Unlimited and the 1" x 1 1/2" spec. of boleite for \$0.50 from Robert D. Roots! From the Northwest I noted a number of interesting specimens. From British Columbia there was rich polybasite micro xls. coating 4 1/2" x 4 1/2" matrix and 1 1/4" x 1 1/4" specimen of native silver wires with acanthite, both from the Highland Bell mine, Beaverdell (ex. Ty Balacko coll.). From the Banner mine, Boise Co., ID, there was acicular owyheeite xls. coating 1 1/2" x 1 1/2" matrix. Also from Idaho, small dendrites of native silver on 1 1/2" x 2" white cerussite xl. group, 11 Level, Orr orebody, Bunker Hill mine, Kellogg (ex. Bart Cooper coll.; he was senior mine assayer @ Bunker Hill). To complete the Northwest descriptions, a spectacular and colorful specimen of drusy blue green xls. of boleite coating a rusty 3 1/2" x 4" matrix, from under the Bi-Metallic mill (Red Mill), Phillipsburg, Granite Co., MT (coll. by Richard Thomassen, ex. Joseph Urban coll.).

Congratulations to everyone who brought displays for all of us to enjoy.



\* Welcome to new members (or renewed members) Elizabeth Ralls, Spokane; Paul Schlichta, Olympia; William Leuskens, Seattle; Craig Delphey, Woodenville; Ty Balacko, Delta; Edward Foss, Seattle; and Richard Peters, Portland. PNWFM Membership List has recently been updated. If your dues are more than one year in arrears you will be dropped off the list in Jan. 2000. Please pay all back dues and dues for 2000 directly to the secretary. The mailing label should reflect your current status. No dues - no newsletter!

## MEMBERSHIP DUES

A new process has been established for collecting member dues and forwarding dues to the National. In the past dues were collected by the secretary and forwarded to the treasurer. The treasurer would periodically send a check back to the secretary for National dues to be sent to National. Needless to say this resulted in delay of processing of checks and conflicts in record keeping. At the symposium Board meeting it was voted to allow the secretary to establish a bank account for the purpose of accumulating and forwarding dues. \$500 was set aside to open this account which has now been established by the secretary. Dues should be sent to the secretary who will keep an up to date membership list and will forward dues to National.

Your mailing address label on this newsletter should reflect your current dues status on the secretaries list. This list has been compiled from the past secretary's and treasurer's records and from receipts from the past symposium. The list was then reconciled with that of the National. Many conflicts have come up. Some are small matters of individual bookkeeping entries not matching. Others are larger policy matters. According to our club charter when founded we are a local branch of the national Friends of Mineralogy. When you join our group you also join the National. You cannot join our group without joining the National because we are part of the National. Membership is \$15 of which \$5 gets forwarded to the National office for its use. There is no separate payment of "local dues". Unfortunately, any member who has paid only \$10 dues still owes \$5. If this is your situation and you do not wish to belong under this arrangement, notify the secretary and your \$10 will be refunded and you will be dropped from FM. We of course encourage you to remain with us.

When a local member does not pay his dues for a year or more and then returns we generally have not bothered to collect back dues in arrears. The National, however, carries these people on its rolls until notified that they are no longer members. If they start paying dues again the past dues are still due. As policy beginning with 2000 any member who is more than one year and one month in arrears will be dropped from our rolls and National will be notified. This means if you have not paid 98 dues by Jan 31st you do not belong to FM. Those who owe for 99 are expected to pay back 99 dues before 2000 dues will be accepted. The secretary is still in the process of trying to reconcile with the National those of our members who owe back dues but have "rejoined" with 2000 dues. Needless to say this is taking more than a little time and frustration. If you think that the information on your mailing label is incorrect please contact the secretary immediately. If your dues are not current they are now due!

PLEASE PAY YOUR DUES FOR 2000 NOW!

## 2000 CALENDAR

Jan/Feb - Symposium Committee Meeting. Date and time to be announced. John Cornish for details.

Feb 10-13 - Tucson Show

March 11 - Rob Belcher, Aesthetics Underground, to host private showing at home of John Lindell, Ravensdale, WA. PNWFM Board meeting. Contact John Lindell for details.

June 10-11 - PNWFM General Membership Meeting at Rice Museum. Trading tables set up for all day swap with general public invited. Overnight camping on sight. Symposium Committee Meeting.

Late June - Tentative field trip to Nevada led by Bob Meyer. Details to come.

Mid Summer - Barbecue and collecting fieldtrip hosted by John Cornish in Port Angeles, WA. Details to come.

August - Washington Pass clean-up.

Sept 22-24 - Symposium 2000 at Day's Inn, Tacoma WA

## PNWFM 2000 Budget

(as approved by the Executive Board on 11/12/99)

### EXPENSES:

Administrative (phone, supplies, photocopies, ect)	
President - \$100.00	
Vice President - \$75.00	
Secretary - \$75.00	
Treasurer - \$75.00	
Bank charges - \$100.00	
Subtotal.....	\$425.00
Mailings/Publications.....	\$400.00
Membership Committee.....	\$100.00
National Dues(110 members @ \$5).....	\$550.00
Case for Rice Museum.....	\$2000.00
 Total Expenses.....	\$3475.00

### INCOME:

Dues(110 members @ \$15).....	\$1650.00
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DEFICIT BUDGET BALANCE.....	(\$1825.00)
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### Notes:

Symposium budget projected on a break even basis. Funds for the case for Rice Northwest Museum of Rocks and Minerals, a 501(c)(3) tax exempt foundation will be drawn from the Chapter's surplus in the bank account as approved by the general membership in meeting on 9/26/99.



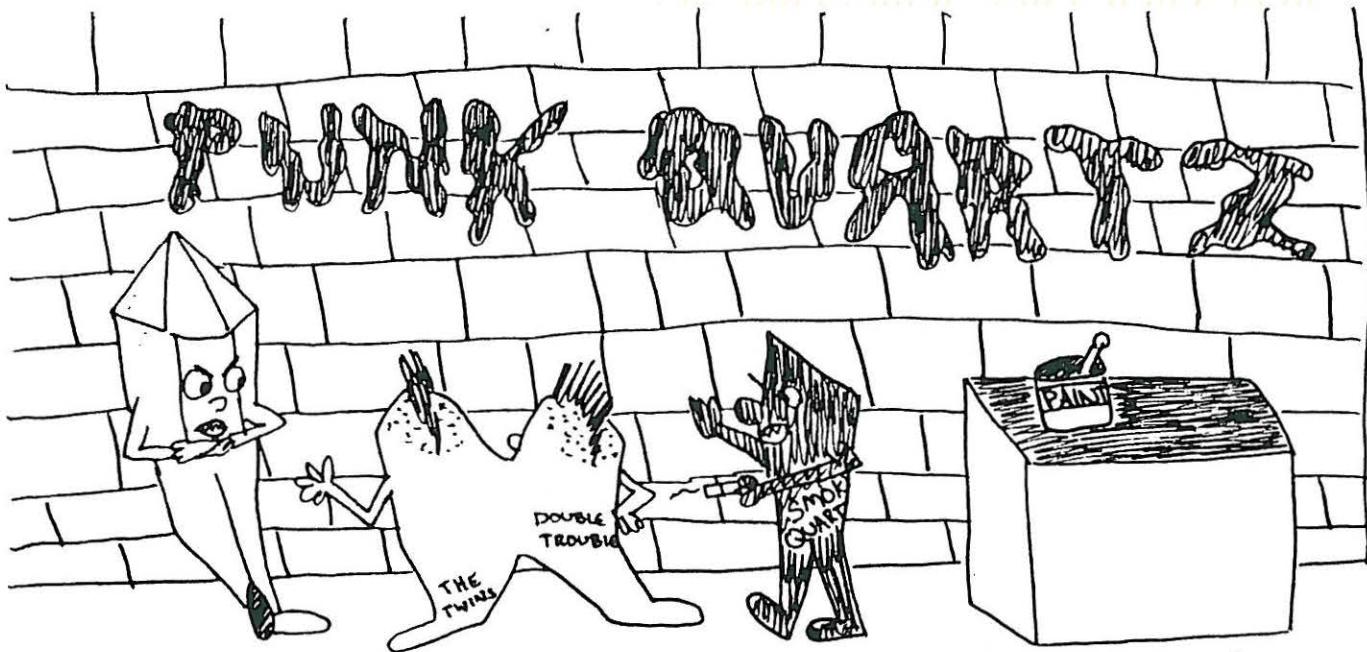
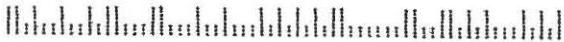
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