

**PACIFIC
NORTHWEST
CHAPTER**



NEWSLETTER

WINTER 1997

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PRESIDENT'S MESSAGE:

Greetings, Salutations, and Hi How Are You?

For about a month now, I have been President. During that time, I've had the chance to talk to a number of members and given some thought as to what I'd like to accomplish in my term. To me, the president's duties should include (1), to help with coordinating our group activities, (2), to work with members to "guide" our group's direction, (3), to be part of the creative process of obtaining new activities for the group, (4), to encourage members to participate and help with group activities, and (5), to encourage new membership.

How I see our group:

As I look back on my approximately sixteen years of association with our chapter, I think of us, the members. That is how I would define FM. What we have in common, I assume, is a love of minerals. As far as I know, most members maintain a mineral collection of some sort. Most of us avidly acquire as many specimens as we can. If we don't, perhaps we are interested in the science of mineralogy. We could be associated with a museum or institute. Some of us field collect. Some of us buy mineral specimens. Some of us specialize in our collecting activities. We run the gamut from professional mineralogists and geologists to novices. We like to see presentations about minerals. We like to associate with each other. We enjoy ourselves in doing all of the above. Van King, a fellow mineral collector, put it this way, "If you're doing anything else, you're wasting your time." (I agree with him. You, on the other hand, may have a life).

I think that the operative phrase is, "We enjoy ourselves in doing all of the above." It is my intention to offer some programs and events for the members that will be both fun and enjoyable. This will include our normal symposia, along with our meetings, perhaps the opportunity to view some collections, and some field trips. If you have an idea for an event, or could host an open house or field trip I encourage you to contact me. (It does not have to be an elaborate program.)

If you have any input, suggestions or complaints, give me a call. I am interested in any ideas that you might have. I look forward to hearing from you. Until that time, take care.

Sincerely,
Bob Meyer
President
1-425-641-0723

MEETING NOTICES, UPCOMING EVENTS, FIELD TRIPS:

Winter Meeting:

We will hold our winter meeting on January 10, 1998, in the mineral museum at Saint Martin's College, in Olympia, Washington. The meeting will start at 1:00 p.m. The mineral museum is located in the bottom floor of building D. There is parking available nearby. See the enclosed maps.

We will discuss a number of topics at the meeting, including our 1998 symposium(s). If you have any suggestions, comments, or complaints concerning FM or our events, this would be a good meeting to attend. After the meeting, we should have a chance to tour the mineral museum. Many thanks to Ray Lasmanis for making the arrangements. See you there! BM

Pacific NW Field Collector's Rendezvous:

On March 28, 1998, the Pacific Northwest Field Collector's Rendezvous will be held at the Clackamas Meeting and Banquet Facility in Clackamas, Oregon, from 10:00 a.m. to 5:00 p.m. See the enclosed flier for further details.

Utah 1998:

Wes Gannaway is forming a schedule for a field trip to Utah in the late spring/early summer of 1998. If you have an idea for a locality you would like to visit or would suggest as a site for this trip please call 360-384-4209. Gold Hill and the Tintic District are already on the list, and the return leg will be to fossil sites (Wheeler Shales, Green River, Pogonip Group, etc.). A visit to Zion or Bryce Canyon may be included.

Remember: the symposium is held on the fourth weekend in September and the pass cleanup/collecting trip is on the second weekend in August.

PACIFIC NORTHWEST FIELD COLLECTORS' RENDEZVOUS

Saturday, March 28, 1998

10:00 a.m. to 5:00 p.m.

Buy, Sell, Trade, Visit Friends and Swap Stories

Many Rock, Mineral, Gem & Jewelry Dealers

Collecting Locality Lectures and Free Maps

Free Field Trip on Sunday

Special Sales Area for Juniors

Special Exhibit – Radioactive Minerals

Special Exhibit – Ultraviolet Minerals

Special Exhibit – Man-Made Crystals

Local Rock Club Representatives On Site

CLACKAMAS MEETING AND BANQUET FACILITY

15815 SE 82ND DRIVE (IN CLACKAMAS, OREGON)

Exit 12A (southbound) or exit 12 (northbound) from Interstate 205

Eastbound on State Highway 212/224 (1 or 2 stoplights)

Then one block north on 82nd Drive

Next to Hampton Inn Hotel, in same building with Denny's Restaurant

Detailed Information On Reverse

Dealer Information

SPACES, TABLES and POWER

- [1] **39 six-foot table spaces** are available for rental. All space and table sizes and dimensions are approximate and small deviations from the floor plan and table placement may be necessary.
- [2] **Space rental is \$22 per 6-foot table.** Tables are provided.
- [3] **If you need power, please advise us immediately.** Power cannot easily be provided to all areas of the hall.
- [4] Tables are furnished bare and uncovered.
- [5] **All items for sale must relate to minerals, rocks, fossils, lapidary, and other similar earth-science fields.**
- [6] **Dealers must be ready for business at 10:00 a.m.** Dealer set-up may begin as early as 6:00 p.m. the day before the show, if the hall is available. Otherwise, set-up will begin at 8:00 a.m. on Saturday morning. Dealers may be asked to help set up tables.
- [7] Comfortable chairs will be provided by the hall.

ADVERTISING

- [8] Flyers announcing this show will be supplied to local rock and gem clubs.
- [9] Upon request, each dealer will be supplied with flyers to provide to his/her mailing-list customers.
- [10] The day of the show, large easel signs will be placed at as many locations as possible in the area surrounding the hall in an effort to direct walk-in and drive-by traffic. Pole signs will be placed in the general area and at intersections a week ahead where possible.
- [11] Schools in the surrounding area will be notified and supplied with flyers.
- [12] Flyers will be available for customer pick-up at local rock shows held between now and the show date.
- [13] Additional advertising will be purchased as the budget permits.

LODGING, RESTAURANTS, STORES, GAS, ETC.

LODGING: The Hampton Inn is located next door to the hall. We have reserved a block of rooms for Friday and Saturday nights. There is NO requirement to lodge at this hotel. The Hampton Inn rate is **\$62.54 for two persons per night including all taxes.** Room rates include in-room coffee, very nice continental breakfast, two whirlpool spas, and an exercise room. All facilities have been remodeled less than a year ago. They also have a money-back guarantee. There are also other lodgings nearby.

RESTAURANTS: The hall shares the building with a Denny's restaurant. We are negotiating with the management to provide discounted meal service for the dealers. There are also many fast-food and sit-down restaurants in the immediate vicinity.

STORES: Fred Meyer is about three blocks away. Clackamas Town Center (mall) is just down the freeway.

GAS: Many gas stations, a 7-11, etc. on the same street and next door to the hall.

FIELD TRIP SUNDAY

A field trip is planned for Sunday. Participants must sign a registration/waiver no later than 3:00 p.m. on Saturday. It is our intention to organize a field trip to a generally-inaccessible location, however, there are no specific guarantees. The trip may have a maximum number of participants, based on a first-reserved, first-served policy.

COLLECTING LOCALITY PRESENTATIONS

During the afternoon, collecting locality information will be presented by local field collectors. Some presentations will include slides, and a map will be furnished for each locality. The sites are in Washington, Oregon and Northern California and only currently-accessible locations will be discussed.

SYMPOSIUM NEWS:

The 1997 symposium is now history. It was well attended with some great speakers, who were extremely knowledgeable about their subject and were able to present the material in such a way that was entertaining and delightful. Catch phrases like NYT and Pegmatitic were being tossed about with ease and more importantly, understood by all. The guest speakers did a great job, even with the charts and chemistry, and Bart Cannon's tricky video action gave us that human touch so often missing in many presentations. Mark Mauthner is to be congratulated for his effort to make this a memorable symposium. Elsewhere in this bulletin is Ray's write-up on the displays, and again, Mike Groben lined up some impressive cases. Other contributors to the setup and running of the symposium include Cheryl Burchim, for her arrangement with the hotel and banquet room people, and her ability to get sideswiped and land on her feet, Karen Hinderman for manning the registration, Arlene Handley for assisting Karen and for organizing the auctions, Carl Harris for getting the Noble Witt award, and Rudy Tschernich for organizing the satellite dealers.

Thanks to all those helpers during setup and takedown, and to anyone that wasn't mentioned. And thanks to all the members that showed up and listened and looked and bid on auction items. After all, this is for you.

Since the idea of the symposium is to give members exposure to one or several experts in a particular field of mineralogy, and also to give the members a place to socialize and brag, that part of it was accomplished, hopefully to the satisfaction of all present. WLG

The Noble Witt award was presented to Richard and Helen Rice for their achievements in starting FM, encouraging others to collect and study minerals, and for opening their home and collection to all. The award was presented in memoriam to Sharleen Harvey, the Rice's daughter and president of the Rice Mineral Museum. Previous recipients have included Mike Groben, Norm Steele, Cheryl Burchim, and Ray Lasmanis. The Noble Witt award is given to those members that have been exceptional in devoting their time and knowledge to the chapter.

1998 SYMPOSIUM:

John Lindell has agreed to be the 1998 show chairman. If you wish to be involved with the symposium, call John and volunteer your services. It takes several persons to get the show together and if the job is done by several it will make it easier. Speakers just don't show up, or cases get set up and filled, nor does the mailperson make up the registration forms. You can also get your name in this newsletter. Remember that the 1998 symposium will be in the same place at the same time, so mark your calender and give John a call at 1-206-432-4939.

MEETING MINUTES:

1997 Symposium

Saturday Sept. 27, 1997

President Wes Gannaway opened the symposium by having us observe a moment of silence for lost members: Norm Steele, Richard and Helen Rice, and Joe Pollard. Their presence will be missed.

Wes removed his name from the ballot. He does not wish to run for the treasurer's position.

Announcements: Rice Museum has received tax exempt status. Pacific Mineral Museum Society, Vancouver, B C has also received tax exempt status but is still looking for a location to house the collection.

Mark Mauthner, 1997 Symposium Chair, was introduced and the symposium was off to another great beginning.

Sunday Sept. 28, 1997

President Wes Gannaway opened the meeting by thanking everyone involved in making the symposium a successful event.

Upcoming happenings announced: Oct. 31-Nov. 2 is the Seattle Regional Show in Puyallup, and Nov. 8 is the Micro-mounter's meeting in Vancouver, Wa.

Kathryn Foster, our current liaison to the Seattle Regional, would like someone to fill in for her for a one year term. This would involve going to monthly meetings in Seattle to represent PNWFM with the Seattle Regional. It would really benefit our club if a member would volunteer to do this. Kathryn will be happy to work with this individual. Any volunteers? Arlene Handley presented several important points on why we should be involved and all were in agreement.

Lanny Ream volunteered to put on a mini-symposium for the East side. He is looking at having it Memorial Week-end 1998. We anxiously await more good news on this subject!

Dick Rantz suggested we include E-mail addresses in the membership directory. All agreed and the secretary is working on this. If you have an E-mail address and did not give it Karen at the symposium, then please contact me.

Noble Witt award presented to Sharleen Harvey in memory of her parents Richard and Helen Rice for their many years of active involvement in the mineral community.

MSP to stay at the Days Inn for the 1998 symposium and continue searching for a new facility for 1999.

MSP to close nominations for new officers. 1997-1999 officers include: President Bob Meyers, Vice-President Sharleen Harvey, Treasurer Cheryl Burchim, and Secretary Karen Hinderman.

Meeting was turned over to newly elected President, Bob Meyer. Bob presented the award for the best self-collected to Wes Gannaway. Congratulations Wes!

big thank-you's to the following: Wes Gannaway our outgoing president, Mark Mauthner the 1997 symposium chair, our excellent speakers, and lastly, Wayne Sorenson for the awesome mineral calendars.

A final note from your secretary-please pay you 1998 dues! Thanks to all of you who have already done this.

Karen Hinderman.

TREASURER'S REPORT:

Symposium '97:

Income:

Registration

and T shirts

\$3198.00

Auction

801.00

Silent Auction #1

43.00

Silent Auction #2

32.00

Totals:

\$4074.00

net loss of [\$ 22.73]

Expenses (to date; 10/7097)

Speaker Costs

(rooms, meals, air fare) \$1404.25

Banquet Room

(bar, food, rental) 1819.97

Case liners

20.99

Postage & Printing

128.87

Case Rental

24.00

N. Witt Award

25.65

Table Rental

210.00

Competition Prize

43.00

T shirts

420.00

\$4096.73

Treasury Report Oct. 7, 1997

Previous balance:

\$ 6641.44

Income:

Dues

\$ 735.00

735.00

Expenses:

National Dues

240.00

Symposium loss

22.73

[262.73]

Ending Balance:

\$ 7113.71

Respectfully Submitted, Cheryl Burchim

8TH ANNUAL WASHINGTON PASS CLEANUP

We held our eighth annual Washington Pass cleanup on August 8-10, 1997. Ten FM members helped to beautify the extraordinary scenery of the area by picking up litter. The cleanup is a chance for us to engage in a positive public relations activity. It also gives us a chance to give a bit back to an area that has provided mineral collectors with a lot of enjoyment. Participation was down substantially this year.

The cleanup is one of our most enjoyable events. The weather this year was about perfect, the high temperature on Saturday being about 80 degrees F. The campsites and surrounding area are quite beautiful. This year there seemed to be an abundance of wildflowers. We spotted some Rattlesnake Orchids, some exceptional 3 foot tall Pine Drops, and Bob Boggs pointed out a patch of Dwarf Epilobium.

The actual cleanup is on Saturday, from about 9:00 a.m. to 1:00 p.m. Before leaving, most of us partook in one of Cheryl Burchim's eclectic omlets. Then we set out as usual, cleaning up a surprising quantity of litter. Ray Lasmanis made the find of the day. He found the remains of a large traffic sign.

After the cleanup, most of us got down to some collecting. A nice group of us ended up in the M. P. 164 area, where a huge quantity of very promising rock was carted off. That is not to say that we got it all. We tried of course, but those boulders are stubborn! A high point was our Saturday night journey to the roadcut, to examine fluorescent minerals with the UV lamp. There are some very colorful fluorescent minerals in the area. The abundant feldspar radiates a dull red, there are some coating of opal that glow a very bright green, and there are areas of white clourescing Zektzerite. Bob Boggs had a clever idea: he took small pieces of tape and covered the larger pods of Zektzerite. On Sunday, we were able to break up the boulders in daylight.

I would like to thank Jim and Cheryl Burchim for once again being our camp hosts. It is largely due to their hospitality that the cleanups are as enjoyable as they are. Bob Meyers

NEW MEMBER:

I would like to welcome a new PNWFM member. Please put him on your membership list.

Steven A. Ullrich

4409 NE Plains Way, #81, Vancouver, WA 98662

1-360-896-2672 steveull@teleport.com

"You Can Never Have Too Many Rhodochrosites"

Those certainly are words to live by, even when you're just talking about pictures of Rhodochrosite specimens. Especially when it's a picture of a very fine 9.3 cm crystal of Rhodochrosite on matrix from the Sweet Home Mine. Add to that pictures of twelve other wildly amazing specimens, and bundle the whole thing up into a calendar, and you have entertainment for an entire year!

I'm speaking, of course, about the new, SVL Analytical 25th Anniversary calendar provided free of charge to attendees of our recent symposium, by Wayne and Deanna Sorensen. I would like to thank Wayne, Deanna, and SVL Analytical, Inc., on behalf of the Pacific Northwest Chapter of the Friends of Mineralogy, for providing the calendars. It is a very nice way to share a very nice collection of minerals. BM

EDITOR'S COMMENTS:

"What I Did on My Summer Vacation"

I am happy to report that I will be doing the bulletin, at least for a while. I am hopeful that many of you will contribute to this with ideas and articles. I will be looking for any write-ups on field trips or shows that you have attended, or any new information of or about minerals or locations, such as updates on locality access or new specimens from an old locale or anything related to mineral collecting. I will gladly give credit for all items. Now is the time to see your name in print. I certainly will not be competing with Lanny or the Min Record but my goal is to bring this bulletin up to the standards expected by the PNW FM membership, and I do expect some input.

Wes Gannaway 1-360-384-4209, also wgannaw@mail.arco.com

NEXT ISSUE:

Our next bulletin will contain all of the news about the mini-symposium being set up by Lanny Ream. It will take place on the east side sometime around Memorial Day. If you would like to help I am sure that Lanny would like to hear from you. Off the Beaten Path, by John Cornish, will continue with an article on sleep (good job to John on his series of articles in the Mineral News and Rocks & Minerals magazines). I will also include another Candy Bowl locality. WLG



1997 FM SYMPOSIUM DISPLAYS

described by
Raymond Lasmanis

This year's theme, pegmatites, was well represented by beautiful gem minerals in many of the cases. This year also saw a number of our members, for the first time, show off their material. Unfortunately, there were only 13 cases, down from 20 the year before. The paucity of cases was compensated by the quality of the material displayed.

Certainly, the most spectacular case was by the Rice Northwest Museum of Rocks and Minerals. The case featured beryl with 11 choice museum quality specimens. There was a huge 4" x 12" long clear yellow heliodor crystal from Wolynsky, Ukraine and a beautiful group of up to 4 1/2" x 5" long aquamarine crystals on 8" x 12" matrix with muscovite from Pakistan. The most beautiful existing bright green group of emerald crystals known was the centerpiece of the display. The 3 1/2" fan-shaped group of crystals on white calcite matrix was mined from the Coscuez mine, Muzo, Colombia in 1992. This mine is located 7 1/2 miles north, on the other side of the mountain, from the famous Muzo mine. The specimen was sold at the 1994 Tucson Show by Bryan Lees of Collector's Edge. The specimen adorned the cover of *the Mineralogical Record*, Vol. 25, No. 3 (1994) but the illustration is no substitute for seeing it in person.

Jack Zektzer filled a case with an assortment of various pegmatite minerals from his trip to Pakistan. Besides large attractive beryl crystals, the case contained crystals of elbaite and schorl tourmaline, sphene, apatite, fluorite, spessartine garnet, quartz, and feldspar.

My friend Will Engdahl displayed a collection of his favorite gem pegmatite minerals from a large variety of localities. Tourmaline in all colors was well represented with other material such as the etched gemmy yellow beryls from the Ukraine and a nice heliodor beryl crystal from Tajikistan border area with Russia. Of Northwest localities, he had 2 1/2" smoky quartz crystals and 1" to 1 1/2" zoned zinnwaldite crystals from the Sawtooth Mtns. of Idaho.

Mark Mauthner, our symposium Chairman, displayed various gem minerals from world-wide localities. The most interesting crystal group was the second largest example of epitaxial wadginites on cassiterite known from the Lavra Jabuti mine, Baixio, Galilea, Minas Gerais, Brazil (#1165). The unique epitaxial crystals were described in *the Mineralogical Record*, Vol. 9, No. 1 (1978). Mark also had on display 13 specimens from the Little Nahanni pegmatite group, Logan Mtns., N.W.T., Canada: spodumene in matrix (#1777); beryl xls. up to 1" x 1 1/2", yellowish to pale green, including unusual tabular 1/16" thick clear 3/4" wide xls. on 9" matrix (#1158, 1160, 1342); columbite-tantalite group minerals with cassiterite in matrix (#701, 732, 1183); lithiophilite as salmon-colored masses and partially altered xls. up to 1 1/2" long (#681, 1047); and, colorless/green/purple fluorapatite xls. up to 3/8" on matrix with some showing zoning (#969, 1155, 1039, 967).

Raymond Lasmanis had a case representing 40 years of mineral collecting arranged in two groups: pegmatite minerals from the U.S. and the other group of minerals from Canada and other world localities. There were four specimens from the Northwest. They were: two parallel dark smoky quartz crystals, 1 1/4" x 1 3/4" long from the Janney substation on the Milwaukee R.R. tracks (now abandoned), S. of Butte, Montana (the specimen, #984 coll. 7/4/60, was illustrated in *Rocks and Minerals*, March 1972, p. 161); 1/2" x 1" long black tourmaline xl., Timber Butte, S. of Butte, Montana (#2733, coll. 7/16/94); 3/4" x 1" beryl xl.

in quartz, Calispel Peak, near Ruby, Stevens Co., Wa (#2668, coll. by N. Radford in 1951); and, 3/4" x 3/4" very pale green transparent apatite xl., Sceptre claim, Emerald Lake, N.W.T. (#2877, coll. by Tyson in 1955).

Jon Gladwell shared with us 32 pegmatite minerals he collected during July and August 1995 in the Cherlova Gora, Malkhansk, and Spadnaya districts in the Chita Oblast, Russian Far East. There were numerous rubellite and aquamarine crystals with the largest pink tourmaline 1 1/2" wide and nearly 3" long. The case also contained a 1/2" blue fluorite crystal on zinnwaldite. It looks like Jon had a great trip.

Robert J. Smith displayed 16 specimens from his favorite subject and area: the pegmatites of the Keystone and Custer districts, Black Hills, S.D. In the case there were 4" x 5" schorl xls., purple fluorapatite, phosphates such as tiptopite & mitridatite, and very large 2" to 3" black cassiterite xls. on 5" x 6" quartz matrix from the Hugo mine.

Dr. Eugene E. Foord, one of our speakers, brought with him three lovely crystals of amazonite showing preferential white orthoclase overgrowths on alternating prism and dome faces of bright green microcline amazonite. Eugene described these specimens with Robert F. Martin in *the Mineralogical Record*, Vol. 10, No. 6 (1979).

The case also contained seven additional gem pegmatite minerals from various world localities.

Bill and Diana Dameron treated us with a case dedicated to smithsonite. It is obvious from the 40 specimens in the case why the mineral is so popular with collectors. The specimens showed a wide variety of colors from greens to pale blue, pink, yellow, and others. There were botryoidal masses and crystals from such well known localities as Tsumeb, Tuissit, and from the U.S., the 79 mine, Arizona; Rush, Arkansas; Kelly mine, N.M.

Robert O. Meyer displayed a colorful selection of 36 Majuba Hill mine (Pershing Co., Nevada) specimens that formed the core of the J. L. Parnau collection that was assembled between 1950 and 1989. The case also contained specimens collected by the *authority on the locality, Martin Jensen. My favorite was a 2" vug lined by very lustrous clinoclase xls. The specimen is from the Copper stope, coordinates 1760N/370W, 55' above the level and collected in the early 1990's by M. Jensen. For detailed descriptions of Majuba Hill mineralogy, see articles by Martin Jensen in *the Mineralogical Record*, Vol. 16, No.1 (1985) and Vol. 24, No.3 (1993).

Two cases featured discoveries made during 1997 in the Northwest while collecting zeolites and associated minerals. One case contained the contents of two large cavities in the Gopher Valley quarry near Sheridan, Yamhill Co., Oregon. The case contained some spectacular calcite crystals collected by John Cornish, Wesley L. Gannaway, Fred Gribler, and Amy Kiesbuy. Some of the calcite crystals (not under spot lights) contained large enhydros. There were tan calcite rhombic crystals up to 5" across and a second crystal habit of unusual, up to 2" long, triangular butterscotch colored crystals. The case also contained six specimens of sharp (up to 1/2") pyrite cubes on matrix. The center piece was a 15" wide, 24" high specimen containing a series of stacked flat vugs lined by natrolite and on top of the specimen there was a group of 3" to 4" rhombic calcite crystals.

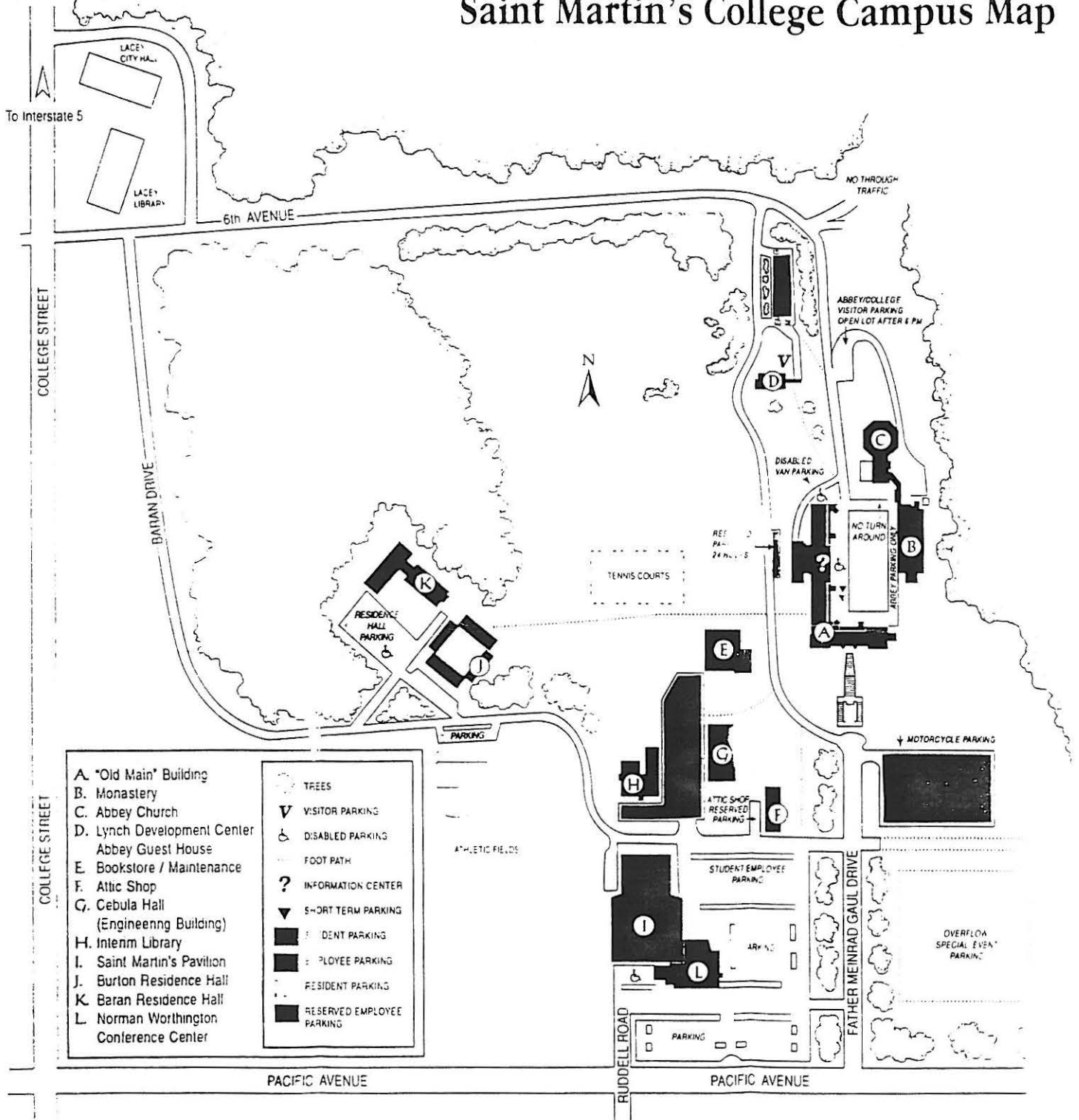
The second case, by Rudy W. Tschernich, contained 36 specimens collected during 1997 from previously little known localities in Pacific and Lewis counties, Washington. Using the Southwest Quadrangle of the State Geologic map, Rudy concentrated on an area south of Pe Ell resulting in many discoveries shown in the case along with photographs and the geologic map. By far, the most prolific producer was Long Ridge located in Sections 2 through 5, T.11N., R.6W., 9 1/2 miles southwest of Pe Ell, Pacific County. Long Ridge specimens shown were: white stilbite xls. lining 10" vug (#10587); long tufts of mesolite (#10588); beautiful 2" divergent stilbite fans on 6" matrix with apophyllite (10589); 2" thomsonite/mesolite balls on stilbite xls. (#159) and (#10548); 8" rounded xl. mass of stilbite with apophyllite (#10590); stilbite/thomsonite (#160); thomsonite/mesolite (#161) and as 1/2" balls (#10659); clear 3/8" apophyllite xls. in 3 1/2" vug (#10573); 2 1/2" specimen with small stilbite xls. on thomsonite (#10579); small spray of calcite xls. on thomsonite, 2 1/2" spec. (#10578); a 3 1/2" x 4 1/2" specimen of tungusite/gyrolite (#10574); a 2" specimen of delicate stilbite xls. (#10494); and, very large, up to 1 1/2", single analcime xls. (#10559).

In addition to the Long Ridge specimens, Rudy's case contained the following: a 6" mass of stilbite xls. (#10640) and up to 1" compound heulandite xls. on 3" x 3" matrix (#10797) from Thrasher Creek Road cut (Lewis Co.) and a 10" x 12" stilbite xl. group (#10643) from Thrasher Creek east, south of Pe Ell, Pacific Co.; small analcime/stilbite xls. on black chlorite (#10772 & 10773) from Sure Shot Mtn. quarry, Boistfort, Lewis Co.; a 5" specimen of white stilbite (#10748), Road 1400 cut, S. of Pe Ell, Lewis Co.; beautiful 4" x 10" stilbite xl. group (#10669), Middle quarry, Road 740, SW of Oakville, Lewis Co.; drusy apophyllite on natrolite (#3185), Weye. Sec. 23 quarry, N. of Doty, Lewis Co.; clear, very sharp, up to 1" long apophyllite xls. (#10718) and 3" group of stilbite xls. (#10714) from the Sage Creek quarry, S. of Pe Ell, Lewis Co.; apophyllite/analcime xls. (#6194), Clinton Knob, Road 654, Wildwood, Lewis Co.; natrolite xls. in a 2" vug (#1388), McCormick Creek quarry, SW of Pe Ell, Lewis Co.; a 2" x 3 1/2" specimen of small thomsonite balls with stilbite xls (#10659), a 1" mesolite ball (#10662), and, 3 spec. of salmon pink single 1" chabazite xls. (#10656-10658), all from the Coyote Crest quarry, SW of Oakville, Lewis Co.; stilbite and mesolite (#10647), Smith Creek quarry, S. of Pe Ell; 3 1/2" group of small apophyllite xls. (#10698), Dixon Road quarry, NW of Raymond, Pacific Co.; and, small analcime xls. (#10702), Bishop Road quarry, NW of Raymond, Pacific County. Thank you Rudy for sharing this locality information with the members of the Friends of Mineralogy during our 23rd annual symposium.



Lacey-Tumwater Street Map

Saint Martin's College Campus Map





PACIFIC
NORTHWEST
CHAPTER

Karen Hinderman, Secretary
6217 Tyler Lane
Ferndale, WA 98248

