

Pacific Northwest Chapter



NEWSLETTER

NOVEMBER 1990

1990 SYMPOSIUM REPORT

PRESIDENT'S MESSAGE

It was my great pleasure to have spent symposium days with you - my friends. Maybe next year I will do better at the dreaded microphone- my apologies-actually I was OK till they turned out the lights! I had so many things I wanted to share, so many people I needed to thank. I walked tall that weekend because of the tremendous outpouring of help by so many people. Because our cases had been in a flood during the year, they needed to be rebuilt and Lorna and her crew picked up that no small task and pulled it off beautifully at the 11th hour.

Trying to find words to vent my grief at the loss of my friend Noble was a bigger job than I thought- this man who got on his hands and knees with blocks of wood to explain an oblique subduction to me so I could get through a test in school- this man who made me believe that I could actually be an FM President.

Thanks to all who patted me on the back for a great symposium- I'm embarrassed at how little I did for those pats! We will now start working on Symposium 91 - we need suggestions for a topic. Please, lets all join in again to gather up the flock for another celebration of our talents and friendships- thank you Ray Lasmanis for making me a champ- Cheryl, for your patience- Carl for being there at the editing table at newsletter time- Mike Groben, Arleen Handley, and the list goes on and on....

The satellite dealers all get a pat on the back from me personally! Their support in the way of monetary donations and exceptional specimens for the auction was outstanding!

Plan to be at the next cleanup project- it was great the first time and can only get better as we get more organized.

Thank you all for your support this last year!

Becky Harris
President
Pacific NW Chapter

SYMPOSIUM EVENTS - SPEAKERS

Outstanding lectures were presented by speakers from the US, Canada, and France. A copy of the Pacific Northwest Bulletin, Vol. 5, No. 1, containing reprints of most of the lectures was made available to those attending the symposium. For additional copies (for those who could not attend) send \$3.00 to R. Lasmanis, Secretary, #155, 910 Sleater Kinney SE, Lacey, WA 98503 with a check made out to Friends of Mineralogy. The speakers were:

Wayne Leicht
Ray Lasmanis
Bob Derkey
Bob Jones
Gilbert Gauthier
Ray Lasmanis
Mark Mauthner

Rob Woodside

GOLD
GALENA FROM MISSISSIPPI-VALLEY TYPE DEPOSITS
MINERALOGY OF MONTANA TUNNELS DIATREME, MONTANA
COPPER MINERALS OF THE WORLD-A HISTORY
COBALT MINERALS FROM SHABA PROVINCE, ZAIRE
FM FIELD TRIP, GOLDEN HORN BATHOLITH, WA
MINERAL COLLECTING AT THE ROCK CANDY MINE, BC
(lecture and movie starring Bob Jackson and Joe Nagel)
PARAGENESIS AT THE VAN SILVER MINE, BC

SYMPOSIUM EVENTS - AUCTION

The FM auction was a great success. Not only were nice mineral specimens available, but we were able to auction off the Mercedes hub cap found during the FM August field trip. The award for the most valuable item bid during the auction went to John K. Li who donated a carving from China. The auction netted \$ 1,155.00. Thanks to all who contributed - the specimens were of better quality than in years past.

Dorothy Guild of Spokane donated a box of colorful minerals for the FM auction. Unfortunately, they arrived after the symposium started. It is my intention to sell the specimens during the Pacific NW chapter meetings at their value - we certainly need the revenue to keep the chapter financially viable. Unanticipated expenses this year were the new liners for the FM owned cases and the Rocks and Minerals Washington state issue.

SYMPOSIUM EVENTS - DISPLAYS

The 16th Annual Mineral Symposium, featuring ore minerals, was not only a success because of the outstanding speakers, but also due to the great displays. There were 21 cases in total. Keeping in mind that the beauty of minerals is in the eye of the beholder, I attempted to take notes on each display with special emphasis on Northwest minerals.

To compliment his lecture, Bob Derkey put in a case of minerals from the Montana Tunnels mine, Jefferson County, MT. Three phases of mineralization were represented by pyrite, marcasite, hematite, galena, chalcopryrite, tennantite, molybdenite, electrum, argentite, arsenopolybasite, stephanite, jalpaite, quartz, siderite, chalcocite, and digenite. A sawed 10"x12" slab of brecciated Cretaceous volcanic rock from the diatreme contained sphalerite and a very visible rind of electrum between the matrix and a sphalerite-quartz veinlet.

Lester Zeihen brought over a suite of Montana Tech minerals from the Butte, Montana district. Having worked underground in Butte during 1960, I had a special affinity for minerals in the case. From the Leonard mine there was: a 3 1/2"x10" matrix specimen covered by 1" to 1 1/2" covellite xls.; a 3"x4" specimen of so called "golden covellite" consisting of chalcopryrite replacing covellite xls.; a 1 3/4 " chalcocite xl.; 1" enargite xls. on 6"x12" matrix; and up to 1/2" lustrous pyrite octohedrons with quartz xls. on 6"x8" matrix (possibly from the Leonard mine). From the Mountain Con mine beautiful 2" pyrite xls. Also, possibly from the Mountain Con mine, 1 1/2" golden yellow barite xls. There was native gold from the Goldsmith mine and fantastic rhodochrosite from the Emma mine. Rarer minerals such as colusite, blue apatite xls., wavellite (Mt. View mine), betekhtinite, djurleite, and stephanite were also displayed.

One of the nicest fluorite crystal collections in the 3" to 6" size was on display by Arlis Martin. There were specimens from major world occurrences including some unusual localities such as: Taegwan, Korea; El Hammam mine, Mernes, Morocco; Cambokeels mine, Weardale, Durham, England; and, Rotterberode, Harz, Germany.

In keeping with the symposium theme, Rick and Tadd Dillhoff displayed sphalerite xls. from numerous localities. Crystals from the Northwest were of special interest: 3/8" to 1/2" dark xls. on 1 1/2" chalcopryrite matrix from the Pedro breccia pipe, King County, WA (collected 1989); 1/2" xl. perched on 3"x4" group of quartz and pyrite xls. with ankerite, Spruce breccia pipe, King County, WA (Bob Jackson spec.); 1/2" xl. on 3 1/2" long quartz xls. covered by a sprinkling of secondary quartz needles, Spruce breccia pipe, King County, WA (Bob Jackson spec.); very lustrous 1/2" to 3/4" xls. on 2" arsenopryrite matrix, South Mountain, Owyhee County, ID and from the same locality, lustrous 3/4" xls. on 2" by 3" matrix.

Robert Meyer displayed native elements, sulfides, and carbonates (thumbnail to 5" size) from classic world localities. Some of the more unusual were: millerite, Perseverance (Agnew) mine, 37 km NE of Agnew, W.A., Australia; a beautiful 2" gold xl. group (spinel twinned), Portal 1, Mystery Wind mine, Michigan Bluff District, near Auburn, Placer County, CA (cat. no. G1-13); a lovely 3"x4" quartz-pyrite group with 1/2" pyrite xls., Butte MT (cat. no. P5-71); bismuth from Schacht No. 38, Schlema, Germany (cat. no. B1-2); and mercury on cinnabar from Mt. Jackson, Sonoma County, CA (cat. no. M1-3).

By far, the most spectacular specimens were displayed by Wayne Sorensen. From the Northwest there was a group of rare 1" to 2" anglesite xls., 11 Level, Bunker Hill mine, Kellogg, ID and also from the same mine, up to 1", hopped, lustrous pyromorphite xls. forming a 7" group from the 9 Level, Jersey Vein. There was a "killer" 10" specimen of vanadinite covered by lustrous 1" xls. from the Acif mine, Mibladen, Morocco. Also in the case was a shiny 4" galena cube with 1" to 1 1/2" nailhead calcite xls., Sweetwater mine, Reynolds Co., MO; a 6" twinned cerussite xl. group on matrix, Tsumeb, Namibia; 1" to 1 1/2" orange brown wulfenite xls. on matrix, Los Lamentos, Chihuahua, Mexico; and, botryoidal mimetite, San Pedro Corralitos, Chihuahua, Mexico.

Lanny Ream displayed the unusual. What caught my eye was pyrite and goethite inclusions in quartz, Snowbird mine, Mineral County, MT; quartz pseudomorphs after calcite, Summit King mine, Churchill County, NV; calcite, quartz, and adamite (cupriferous), Gold Hill mine, Gold Hill, UT; topaz crust coating 4" smoky quartz xl., Hell Roaring Creek, Sawtooth Mtns., Custer County, ID; a 1" spherical carbonate-apatite pseudomorph after pyrite from near Shell, Big Horn County, WY; a 5" specimen of quartz and quartz "epimorph" of hematite, Peacock mine, Seven Devils District, Adams County, ID as well as iron oxide pseudomorphs after andradite from the same mine; a pegmatite showing 3/4" by 4" hexagonal cavity after altered and leached beryl with two phenakite xls. in its place, Mount White, Chaffee County, CO; and, calcite "epimorphs" of goethite after siderite (1/2" xls.), Katie Belle, King County, WA.

Carla and Norm Radford had on display outstanding Northwest specimens. On display were: 5" by 12" long shiny black quartz xls., Granite Ridge, Lolo Hot Springs, Missoula County, MT; from the Black Pine mine, Granite County, MT, 1" tetrahedrite xls. with quartz xls., a 1 1/2" single tetrahedrite xl., and, attractive small pyromorphite xls. on a 1 1/2" calcite xl.; very pink 2"x3" rhodochrosite, True Fissure mine, Phillipsburg, MT; 3/8" chalcopryite and 3/4" quartz xls. on 3"x5" matrix, Anselmo mine, Butte, MT; native silver and bornite on 4"x4" matrix, Mountain Con (?) mine, Butte, MT; from the Texas ore body, South Mountain, Owyhee County, ID, lustrous dark sphalerite xls. on 3"x4" matrix, and 1/2" pyrrhotite and sphalerite xls. on 2 1/2"x5" matrix; from WA state, a slab of high grade gold ore from the Golden Promise vein, Knob Hill mine, Republic, Ferry County and clear 2" calcite xls., Midnight mine, near Wellpinit, Stevens County.

Suzanne and Al Liebetrau chose native silver as a theme for their case. A great collection of wire and crystallized silver from classic localities was displayed. There were specimens from familiar localities such as Keweenaw Peninsula, MI, Cobalt, Ontario, and Mexico. A fine old world specimen from Mansfield, Thuringia, Germany, was on display. The most unusual silver specimen was from Level 1, Elura mine, Cobar, N.S.W., Australia.

Mark Mauthner brought a display of Nanisivik mine, Baffin Island, N.W.T., minerals from the M.Y. Williams Geological Museum at U.B.C. The display contained large specimens with spectacular and unusual pyrite crystals showing epitaxial growth, twinning, and pseudomorphs. One pyrite specimen exhibiting twinning measured 6"x15". There were 2" to 2 1/2" bladed marcasite crystals replaced by pyrite (purchased in 1990) and sphalerite-pyrite crystals with epitaxial growth. A 6" skeletal slightly smoky quartz xl. was also shown. Associated minerals were calcite and dolomite. The museum acquired these specimens in 1989 and 1990.

Joan and Bryant Harris had a case with superb specimens. From Butte, MT, there was displayed: pyrite, apatite, and quartz xls. on 2"x3" matrix; iridescent pyrite xls. on 3"x5" matrix; 1" dolomite xl. tucked into a corner of a cavernous 3" pyrite cube; and, lustrous 1/2" to 3/4" octahedral pyrite xls. with white quartz xls. on 5"x7" matrix. From Phillipsburg, MT there were tetrahedrite and quartz xls. on 2"x3" matrix. From the Tri-State district there was a very unusual 5"x8" specimen of sphalerite covered by botryoidal marcasite and 3" to 5" calcite xls. containing up to 2" long included acicular sprays of millerite. My favorite specimen was a 3"x3 1/2" group containing 1" to 2" chalcocite xls. from the classic Bristol, CT locality. From WA state the case contained a rough 3" molybdenite xl. from the Crown Point mine, Lake Chelan, Chelan County and 3" pyrite xls. with quartz xls., Spruce breccia pipe, King County.

Lorna Goebel displayed thumbnail specimens containing antimony, arsenic, selenium, and tellurium. From the Northwest, Lorna had the following: native arsenic, Grizzly claim, near Alberni, BC; arsenolite with talmessite, Criss Creek, near Savona, BC; fizelyite,

boulangerite, and pyrargyrite from the Van Silver mine, near Whistler, BC; meneghinite from the Mullen mine, Chewelah, Stevens County, WA; and, realgar from the Royal Reward mine, Green River, King County, WA.

Carl Harris had a case with a variety of minerals. From the Northwest, the case contained the following: a 1" barite xl. from the Rock Candy mine, Grand Forks, BC; a 4"x6" quartz xl. group with up to 2" xls. from the Pedro breccia pipe, King County, WA; a Japan Law twin quartz xl. (3" wide) from Mt. Teneriffe, King County, WA; and an attractive Spruce breccia pipe pyrite-quartz xl. group, King County, WA.

In conjunction with his presentation, Rob Woodside put in a display of Van Silver mine (near Whistler, BC) minerals. The mine is owned by Placer Dome with collecting done in the ore pile left over from the 1970's. On display was diaphorite, miargyrite, and freieslebenite from Van Silver. Rob also had in his case wurtzite on pyrite from the Leonard mine, Butte, MT. In the same case, collector Jim Gray of Port Alberni, BC, displayed a 4"x7" matrix specimen containing up to 4" quartz xls. and small lustrous epidote xls. (a very nice specimen). The epidote-quartz xl. group is from Kelsey Bay, Vancouver Island, BC.

Ed Godsey showed ore minerals from world-wide localities. Jim Robison also had ore minerals from Utah and other localities. Paul Lawson showed two 2" nickel-iron nuggets (formerly known as josephinite) and a 1/2" by 3/4" oregonite nugget from Josephine County, OR. Kathryn Foster had large ore samples in her case, books, and a copy of 1940 Laucks Prospecting Guide. Bob Smith featured 2" to 3" barite xls. from various locations. Mike Groben exhibited a outstanding collection of 3" to 4" crystal groups. His favorite specimen in the case is millerite from Wissen, Germany. Ray Lasmanis had galena crystal groups from Mississippi Valley-Type deposits to accompany his talk at the symposium. The galena crystal groups were illustrated in his article published by Rocks and Minerals, Vol. 64, No. 1, pp 10-34 (1989).

Raymond Lasmanis
FM Secretary

1990 SYMPOSIUM FINANCIAL REPORT

Deposits:

Pre-registration	1759.00
Door (meals, t-shirts, registration, auction)	2480.50
	4239.50
Balance due	270.89
	4510.39

Paid Outs:

50.00	Change for door
326.30	T-Shirts
150.00	Insurance
20.00	Refund '89 Symposium
40.98	J.K. Gill (supplies)
80.00	Display Case Rentals
172.16	Material for New Liners
15.00	Typing Charges
75.00	Copies
1726.00	Meals
771.20	Speaker Air Fares
135.60	Long Distance Calls (Mike Groben - Speakers)
100.00	Case Plaques
1157.02	Speaker Room Charges
17.52	Ribbons
4836.78	

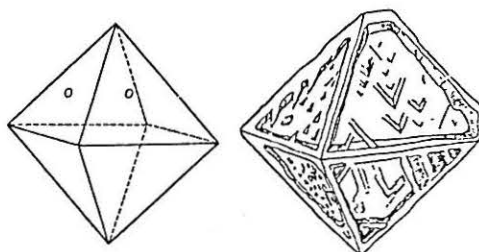
Lost 326.39

Profit on T-Shirts	81.70	(3 left) = 117.70
Auction	1155.00	
Registration	3273.69	
	4510.39	

POST SYMPOSIUM TREASURER'S REPORT
October 22, 1990

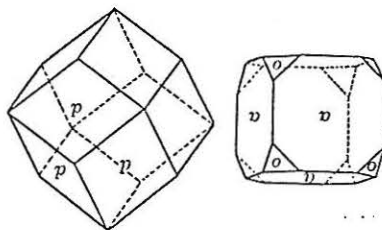
Beginning Balance	July 1990	1041.59
Deposits:		
Dues	290.00	
Symposium	4239.50 (Includes \$50.00 door charge)	
Total Deposits		4529.50
Accts Rec from Symposium		270.89
(In mail not yet deposited)		
Expenditures:		
Alderbrook Inn deposit		150.00
T-Shirts		326.30
Symposium Insurance		150.00
Postage		132.25
Phone (Becky & Mike Groben)		177.98
Refund for '89 Symposium		20.00
J. K. Gill (Symp & Office supplies)		40.98
Change for door		50.00
Case Rental		80.00
Liner Material		172.16
Typing Charges		15.00
Copies		75.00
Alderbrook Meals		1726.00
Speaker Air Fares		771.20
Speaker Room Charges	1157.02	
	<u>-150.00 dep</u>	1007.02
Case Plaques		100.00
Rocks & Minerals Project (Mike Groben)		325.66
Capital Awards - Ribbons		17.52
Total Expenditures:		5337.07
Balance as of October 22, 1990		504.91

Cheryl Stewart
Treasurer



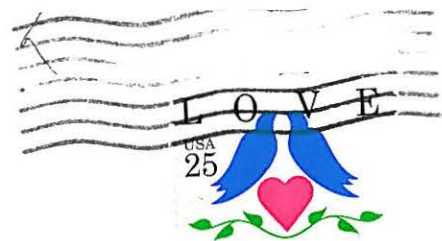
GOLD

GOLD



PACIFIC
NORTHWEST
CHAPTER

R. Lasmanis, Secretary
#155 - 910 Sleater Kinney SE
Lacey, WA 98503



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BOB MEYER
16239 N.E. 18th Street
Bellevue, WA 98008