



W.A.M.S. ROCKHOUND RUMBLINGS

May, 2003



Newsletter of the Willamette Agate & Mineral Society • Salem Oregon

48th Annual River of Gems

Submitted by Rob Leedy, 2003 Show Chair

Wow what a show!! It would not have been possible without a lot of volunteered hours from many hard working WAMS members – before, during and after the show. I don't know how to thank you all for your hard work.

I took time to talk to many of the people who came to the show I never really realized how far people will travel to come see a rock show. I talked to people from cities in Washington, from Tumwater, Pasco, Seattle and Vancouver. Also from Oregon cities of Tillamook, Siletz, Alsea, Corvallis, Eugene, Bend, Lincoln City, Hood River, Roseburg, Portland, Oregon City, Salem, Dallas and McMinnville. I asked these people what brought them to our show? The number one answer was "It's the best rock show around!" We can all be proud of what we have accomplished and I thank you all for the all the hours you have donated, especially on a family weekend like Easter.

I thought our numbers would be down on a holiday weekend like this, but we hit average if not a little above average for numbers.

One more time – thanks again for making me proud to be a member of WAMS. Make sure you pat each other on the back because you all deserve it. Thanks!!! Rob Leedy



Les Puffer and George Goetzelman enjoying the show.



Kit Leshk did a great job directing the school kids on Friday.



Nice shirts - Jesse, Stacy, Aaron Currier, Don Esch, Joe, Jerry and Janice VanCura

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The Willamette Agate and Mineral Society, Inc. (WAMS) is a nonprofit organization and an Oregon Corporation, founded November 1947. WAMS is affiliated with the AFMS, NFMS, Oregon Council, ALAA, and Scribe.



Meetings are held on the first Thursday of each month at 7:00 pm at the Salem Senior Center, 1055 Erixon Street NE, in Salem, Oregon. Executive Board meetings are held with upcoming meetings announced at the general meeting, and all members are invited to attend.



WAMS was organized to stimulate interest in the study and collection of agates, minerals, gems, and fossils, and support lapidary work, education, scientific study of natural earth sciences, and charitable purposes within the meaning of Section #501(C)(3) IRS.



WAMS MEMBERSHIP

Membership fees are due by December 31st for the following year. Potential new members are encouraged to attend three meetings as a guest and complete an application form. Members will then vote to accept the new member. Members joining WAMS between the first of the year and May pay the full amount for that year. After May, full payment is due in December for the following year.

MEMBERSHIP DUES:

Individual:	\$12.00
Couple:	\$18.00
Juniors:	\$ 2.50

Guests are welcome and are encouraged to attend WAMS meetings!

2003 ELECTED OFFICERS

President:	Jim Bennett	503-363-4974
Vice President:	Kit Leshk	503-393-9102
Secretary:	Kathy Bennett	503-363-4974
Treasurer:	Janice VanCura	541-753-2401
Federation Director:	Don Townsend	503-364-3790
	Gerry Lundeen	503-364-6487
Members at Large:	Chuck Hunt	503-304-3886
	Don Esch	503-371-1472
	Jody Leshk	503-393-9102

2003 COMMITTEE CHAIRS

Bulletin Editor:	Janine Owens	503-315-5751
2003 Show Chair:	Rob Leedy	503-371-6421
Education & Educational Case:	Volunteer needed	
Field Trips:	Rob Leedy	503-371-6421
	Joe VanCura	541-753-2401
Juniors:	Volunteer needed	
Nameplates/Logo:	Archie Janke	503-566-8300
Oregon Council:	Geri Esch	503-371-1472
Rules and Awards:	Gene Gangle	503-581-4440
Programs:	Aaron Currier	503-581-8920
Property Control:	Theresa Byrne	503-364-7190
Public Relations:	Jody Leshk	503-393-9102
Publications:	Volunteer Needed	
Scrapbook/Historian:	Volunteer Needed	
Hostess & Host:	Joyce Winters	503-364-05233
	Gerry Silver	503-585-2559
Refreshments:	Volunteer needed	
Coffee:	Volunteer needed	
Stamps:	Peg Townsend	503-364-9829
Sunshine:	Jennifer Ferrell	503-581-6970

The Rockhound Rumbblings Bulletin is published monthly for members of the Willamette Agate and Mineral Society (WAMS). The editor is not responsible for the authenticity of information in articles submitted for publication, nor are the opinions expressed therein necessarily those of the editor or officers of WAMS. Permission to reprint material in the bulletin is granted freely, provided proper credit is given. Exchange bulletins are welcome.

ADVERTISING RATES

Member: Non-business—One (1) free ad per year or \$1.00/issue or \$8.00/year. (Business card size or 12 lines or 1/10 page. **Non-member and members with a business**—\$4.00/issue or \$35.00/year (10 issues) 17.50 for 1/2 year (5 issues). Same size regulations as above.

MAILING ADDRESS

WAMS • P.O. Box 13041 • Salem, OR 97309-1041

PRESIDENT'S MESSAGE

Hello all,

Well this has been a fine month and most of the hard work is done. The show appears to have been another "GOOD ONE" and there are thanks to be given to a lot of folks but that belongs to the show chair. Lets all start to mark our calendars for the trips you really like (or do like me mark them all and wish I could go) I will keep this short see you at the meeting

Jim Bennett - President



AFMS NEWS

www.amfed.org

SEASIDE GEMboree AFMS/CFMS Convention & Show

Del Air Rockhounds Club, Inc.

June 5-8, 2003

Seaside Park

(Ventura County Fairgrounds) Ventura, CA

More Seaside GEMboree Highlights

Space Rock Day

Saturday, June 7 will be 'Space Rock Day'. Robert Verish, discoverer of two of the Mars Meteorites, and fellow meteorite hunter, Dale Lowdermilk, will speak on finding and identifying meteorites. Meteorites are masses of metal or stone that have fallen to Earth from outer space. You will have the chance to see a Mars meteorite, other meteorites and tektites. There will also be a replica of "The Old Woman" meteorite, the second largest meteorite discovered in the United States that was found in the Mojave Desert. Miniature Mars Rover vehicles from the Planetary Society's Red Rover Goes to Mars Project will be on hand to give kids the opportunity to direct a mini-Mars Rover across an alien landscape.

Field Trips

The Field Trip Committee is developing plans for some interesting trips. A couple of different sites are being considered based on type and availability of material, accessibility, and distance. Additional information will be forthcoming as details are finalized.

Mermaid Contest

Get your entry form in soon to participate in the Mermaid Contest. We're looking for jewelry, lapidary, sculpture, anything that has been worked in rock, mineral, gemstones, or a combination thereof that depicts a mermaid. Deadline is May 1, 2003. Forms can be downloaded from the website or contact Keri Dearborn at (818) 883-5253 or GemboreeDisplay@aol.com. Mail completed forms to Keri at 20982 Ave San Luis, Woodland Hills, CA 91364. Don't forget to visit us at: www.afmscfmsgemshow.org

EDITOR'S MESSAGE

A great show. Much time and effort by many club members is required to pull it off. A big thanks goes out to everyone that participated from - donating time making grab bags (Gerri S), tumbling & polishing rocks, making items for the wheel of fortune, coordinating the dealers (Mary), display cases (Jennifer) - then for the hard part, setting up all the tables and cases on Wednesday & Thursday. There were also a lot of very nice display cases.



cycadeuidea

Charmaine put in one for the jewelry class, George put in one in memory of Betty with micro-mount minerals, I had a fun time finding all my agatized sticks and putting them all together for a display. Rudy pulled out some of his picture jasper to share, Aaron put in three cases (all very nicely labeled) and thanks to those who rushed out late Thursday evening to bring in more displays to finish out some empty cases (Debbie E).

A special thanks also goes to the demonstrators who spent the weekend answering many questions from the crowd. It was nice to have so many WAMS members sharing their knowledge of lapidary and other interests. Club members participating were Dave Sellers - faceting, Walter Friday - Spheres, Don Esch - carving with dremel, Aaron on Fossil Preservation, and Rudy and I - cabochons and gem carving.

Susan Appleby for Janine Owens - Bulletin Editor



Don and Peggy
Townsend with
Myrna Gardner

COOL WEB SITES

Have a few hours to get lost on the internet exploring our hobby? A good place to start is:

<http://www.lapidaryjournal.com/archive/sitestosee.cfm>

Gem Artists of North America (GANA), this site has information about some of the most innovative gem carvers working today and the organization that represents them @ <http://www.gemartists.org>

Interested in Beads? check out the bead museum in DC @ www.beadmuseumdc.org

And one more sight that has lots of good information on minerals rocks fossils... @ www.wildaboutrocks.com

ALAA @ www.amerlands.org

American Federation is On-Line @ www.amfed.org

NW Federation is On-Line @ www.amfed.org/nfms





MAY 2003 WAMS GENERAL MEETING MINUTES

WAMS General Meeting Notes: 4-3-2003 Welcome to all. 68 people were in attendance. A special hello to the

guests. Gene & Darrell left to do the adjudication. The program was about agates. Chuck Hunt did the presentation. Show and tell was rocks beginning with the letter "D". Next month will be "E". Trailer fund tickets were sold at the break at the hostess desk. Also we asked everyone to check the name and address listing to be sure they are correct. Jennifer is going to update and wants to be sure of the phone numbers etc. Theresa had an announcement regarding the T-Shirts. They were printed with our Logo an incorrect size. They have to be redone. The ones done wrong are being sold (at a reduced price) Contact Theresa if interested.

A duty list for the show was being passed during the meeting. Rob will call others to see if they will be able to help at the show.

Break The meeting was brought to order by Aaron (Jim & Kit were both unavailable)

Secretary's notes were in the newsletter. Approved as written.

Treasurer's report was given and accepted.

Aaron brought up a field trip that he may lead.

Newsletter - contact Janine Owens if not receiving.

Janine thanks those sending articles and asks everyone to consider sending in articles. Tom Robertson brought up the Pasco Federation show and suggested we pay for the Federation Committee to go to it. Janice suggested at least part of it. Committee members are Gerry Lundeen, Ted Silver, Janice VanCura and Rob Leedy. (sorry if I missed anyone). It was suggested we take it to the board. The show is in August.

Gerry is going to have someone come out and give a bid on fixing the trailer door in April (during the show). New tumblers are available to check out. See Theresa Byrne.

Silver classes are going strong. Have had as many as 17, usually 10-12. Come on out any Monday night. You can start anytime. Any questions call Don Miller.

Lapidary classes still have some openings. Archie will help Jennifer as supv on Mondays. Jack Cole is supervising the Thursday class. Call Ted or Gene if interested in classes.

Show Report by Rob Leedy. We need volunteers to

help at the show. See Rob to sign up.

Work party at Don Esch's this Sunday. Suggested and voted to buy pizza from show fund.

Bring things for the silent auction then or directly to the show. Bring plastic bags.

Need volunteer for Show Chair for next year. Bob Harrison volunteered.

Rob asked for donations for door prize drawings. New Business: voted in Judy Elkins as honorary member. Capital Carvers are having a show at the Senior Center this weekend. All are invited. George will take some fliers to the show to advertise our show.

Voted in new members. Also voted to pay the bills. Peg says don't forget to bring your stamps. Nothing for the sunshine report. Program for next month will be by Lyle Ang on the geology of the Cascade Range.

Thanks to Sonia, Archie and Debbie for goodies this month. Volunteers for next month are Susan, Janice, Brenda and Archie.

Closed the meeting and had lots of door prize drawings as well as three for the trailer fund.

Kathy Bennett - Secretary

MAY PROGRAM ROCKS ALONG THE PACIFIC CREST

On May 1st my program will be "Rocks along the Pacific Crest" -- A slide presentation of the geology along the 2600 miles of the Pacific Crest Trail. The trail runs from Mexico to Canada close to the crest of the Sierra Nevada and Cascade Mountains. I hiked 2200 miles of the trail last summer and photographed the major rock formations plus the best scenery in the world. I only have a few specimens since I backpacked and didn't want to carry extra weight -- a frustration for a rock hound.

Thank you, Lyle Ang.

SHOW & TELL FOR MAY, please bring your favorite specimen beginning with the letter "E".

hmm. not an easy letter

emeralds, one of my favorites ...

equipment for collecting or lapidary- you've engineered a handy tool for our hobby, share it...

echinoderms

epidot • enhydro • eggs??

Remember to bring along your favorite find from recent field trips for everyone to see.

REFRESHMENTS

Thanks to Sonia, Archie and Debbie for goodies this month.

Volunteers for next month are Susan, Janice, Brenda and Archie. A volunteer is needed to prepare coffee before meetings.



FIELD TRIP REPORT

Submitted by Joe VanCura

Sorry we didn't have a trip for April, but we were busy with the Show. To make up for that, we have two field trips for May. On May 10th we are going to Joe Zash's rock shop in Rogue River and to Ashwood on Memorial Weekend. More on Joe Zash later, first the complete summer list.

The June field trip is planned for the weekend of June 21-22 to the Plush area for Sunstones. Rob plans on being there from June 20th thru 24th.

If you want the Prineville show is right after that on the 26th thru the 29th. At both of these shows there are field trips each day.

In July we will be in the Ochoco's for thundereggs and tube agate on the 11th thru 13th. Also from July 2nd thru 6th is the Madras Pow-Wow. August 16th and 17th will find us up Quartzville Creek panning and dredging for gold. The third weekend of September we are going to the Owyhee area for all sorts of agate, picture jasper, and thundereggs.

Back to Joe Zash. For those of you who may not have had the pleasure of visiting Joe's shop here is your chance and with special club field trip prices to boot! He has a fabulous Museum and everything is for sale. The museum specimens are not cheap, but the quality cannot be beat. He also has tons and tons of rough rock for sale, about half of which is on sale for our club. Do to his health this is the only day his shop will be open for the next month, so don't miss out. I will have maps at the May meeting. He will be expecting us around 11:00.

A partial list of the rough is: Amethyst, Bloodstone, Blue Lace, Botswana, Brazil, Bruneau, Carnelian, Chicken Track, Copco Agate, Flame Agate, Graveyard, Imperial, India, Morrisonite, Obsidian, Paul Bunyon, Petrified Wood, and Thundereggs. Some of the Thunderegg beds include: Black Rock Desert, Buchanan, Calico Mtn., Frieda, Ochoco Cabin, Pauls, Pony Butte, Priddy, Secret Ridge, Skull Springs, and others. Some of the finished pieces include Coral, Laguna, Limb Casts, Blue Mtn. Willow Creek, etc.

The big special he has for us is 40% off Petrified Wood bookends and 50% off polished wood specimens and thunderegg halves.

I will have a price list at the next meeting. For those who want to make a side trip on the way home, the Roxy Anne Museum is just a little ways down the road in Central Point.

CITIZEN'S ALERT

Submitted by Ted Silver

There's a URL below, for the Sears web site, in case you want to thank Sears for their actions.

ISSUE: It's rare we get to send out an Alert asking you to *thank* folks for doing the RIGHT thing. It's our joy to send this one out today.

A story at CitizenLink.org notes that, with more than 110,000 reservists taking part in the U.S. effort in Iraq, several American companies are going the extra mile to support them. Dozens of companies are offering them extras, including UPS, IBM, Conoco and Dell Computer Corp. One of the best examples, though, is Sears: their company is supporting the troops by making up the difference between reservists' pay and their regular salary at Sears for up to two years.

Even though, like every other business, Sears is dealing with a struggling economy, the retailer says simply helping their customers isn't enough. Sears' compensation of reservists is believed to be the most generous of any major company in America, but company spokeswoman Jan Drummond said it was an easy decision.

"Sears grew up in America," Drummond said. "Frankly it was not a difficult or complicated decision to come to. It was the right thing to do." Sears is going well above the call of duty. The law requires that a company hold a reservist's job while he is serving, but little else. Sears employs about 500 reservists. **ACTION ITEM:** Sears had not planned to publicize the decision, but a local TV station found out and broke the news. Please consider contacting Sears and saying, "Thank you for supporting our troops." You can send Sears a thank-you note, for giving their support to our reservists serving in the war in Iraq, in several ways. Sears offers its customers an opportunity to contact the company by e-mail through its Web site - <http://www.sears.com/> find the Web form, click on "Customer Service" in the top right corner, and locate the "Contact Sears" title about halfway down the page on the left. Then find "E-mail Questions/ Comments About Our Stores" under "Stores" on the left. The Sears National Customer Relations number is 1-800-549-4505. If you would like to send a letter, write: Sears, Roebuck and Co National Customer Relations 3333 Beverly Rd. Hoffman Estates, IL 60179 - <http://www.ConservativeAlerts.com/>

SPOTLIGHT ON MEMBERS



Hilliary Houha

Family: My daughter, Julia

Pets: None at the moment

Born (city,state): Inglewood, California

Occupation/employer: I work at Reader's Guide, a bookstore

What started me collecting rocks: I tried to pick the diamond out of my Grandmother's ring when I was a baby! And finding our first agates on a dirt road in Oregon!

Age I started collecting rocks: age 11

Years in WAMS: I joined in Oct.2002

My favorite rock/gemstone/fossil(s): I can't choose just one, I really love them all!

My least favorite chore: Doing the dishes!

My best vacation: Camping at Belknap Hotsprings

The most important person I've met: Probably, my daughter's Father

My most embarrassing moment: I can't say, it would be too embarrassing!

Personal hero: Anyone that pursues their dreams!

My claim to fame: David Letterman read a letter from me on his show for viewer mail!

Hobbies/leisuretime: Reading and going to movies

I'm afraid of: Singing in public

Favorite author: Jane Austen

Favorite actor: Cary Grant

Favorite actress: Katherine Hepburn

Favorite movies: Bringing up Baby, The Castle

Favorite place to collect: At the coast

Favorite WAMS field trip: I haven't been on a field trip yet

My best rock find: I love them all!



TIPS, TRICKS, HINTS & NOTES

T-Rex Fossil Found in a Drawer

(<http://www.wildaboutrocks.com/Newsarchive.htm>)
(9 March 2003)

A recent tidy up of archived material at the Peabody Museum of Natural History in New Haven has revealed a tooth which turns out to have belonged to a T-Rex. The specimen which lay unnoticed for 125 year's in a drawer full of fossils is the earliest T-Rex fossil ever found. It was unearthed in 1874 by Edward Bethoud in the Denver Basin, some 26 years before the first complete fossil had been discovered and which didn't even get named until 1905. Lyndon Murray, the museum's curator of vertebrate paleontology said "We have a couple of drawers full of carnivorous dinosaur teeth. We thought this was just a big tooth".

Poisons Galore

WildaboutRocks-Newsletter 12/02

Why Collectors should not lick their fingers. Many of us regularly handle minerals without a second thought of anything else but their aesthetic appeal. We then pick up a handful of pretzels or nuts, which we consume in blissful ignorance. Yet many of the minerals found in our collections are deadly poisons and we innocently end up ingesting substances from our hands likely to cause us harm. Possibly the worst culprit is Arsenic. Many innocuous Arsenic minerals such as Mimetite can give off Arsenic under certain conditions, particularly when wet. So handle these with dry hands. Just try heating any Arsenic compound and see what happens. The garlic-like stench so easily given off soon alerts to the presence and danger of Arsenic. Indeed Arsenic is considered so harmful, that special laws were passed as early as the last century to prevent miners contracting Arsenic poisoning through the skin by perspiration and by breathing in the dust from the air. The minerals most commonly found in collectors' cabinets include Realgar and Orpiment - both Arsenic sulphides.

Obsidian is overlooked by many collectors as something common and dull. Yet nothing could be further from the truth. For a start, obsidian's chemistry is identical to granite. But, unlike granite, because the volcanically erupted material has cooled quickly crystals have not formed. Obsidian thus exists as a supercooled solution of silica with a total absence of internal structure, just like glass. For this reason, and in common with other glass-like materials, obsidian breaks with a typical conchoidal fracture. This curved, smooth type of cleavage occurs as the fracture follows the shortest path.

Interestingly almost all obsidian contains a small amount of water. Steam from the eruption becomes trapped in cavities forming tiny bubbles. These give rise to spectacular varieties, especially the rare gold and silver sheen obsidians. Other inclusions are also common. Thus mahogany obsidian results from the presence of hematite. Feldspars give rise to blues and greens. And quartz gives rise to the Snowflake. Obsidian boring - no way!



Joyce Winters, and Zach here in photo at the starting line of Treasure Hunt.



Don and Peggy Townsend, Chuck Forsythe, Rudy Appleby and George Goetzelman in the demonstration area.

THE PALEONTOLOGICAL REVIEW

submitted by Aaron Currier
<creola@teleport.com>



I'd like to start this column off by saying what a joy it was to work as a "fossil prep" demonstrator at our show this year. It is something I've been wanting to do for some time. I planned a number of projects to work on and hoped I would have enough to do. As it turns out I spent more time conversing with visitors than actually getting any work done! For those of you who weren't able to attend on Saturday, or were otherwise occupied at the show, I had three simultaneous demonstrations.

First, I was preserving mollusk fossils collected from the Oregon Coast using a glue and water mixture. Good ole regular Elmers and water mixed in a 1 to 4 ratio and applied with a paintbrush solidifies the mudstone and protects the Miocene fossils from losing precious remains. Two coats is sufficient for protection, however, if you want a more "glossy" look, the mixture can be diluted to 50% or you can apply more coats. I like to have a more natural look, but still have a nice protective layer, so small pieces of mustone won't be falling off as it's handled.

I also demonstrated how some fossils can be separated from their matrix by soaking in denture cleaner. I had a bowl full of Blastoids collected in Missouri that I needed to remove from their limestone matrix. Although not all were completely cleaned after a light brushing, many turned out nice. Pentrimites specimens, aged around 325 myo, were given to interested children who visited the booth.

The third simultaneous demonstration was to show how to clean the matrix from fossil fish. Stacy and I both worked on a Priscacara specimen from the Green River Formation in Kemmerer, Wyoming. Using a probe and dental tools to scratch away the layers of limestone proved to be a tedious but rewarding project for both of us. It seems as long as I was "scratching away" people would stop to ask what I was doing. If I was just sitting there, people would walk on by! The Eocene fossil fish from Ulrich's quarry is in very soft matrix and can be cleaned manually with tools. The fossil fish from the Warfield Quarry are in a more condensed matrix. The removal of this matrix can be expedited using a Dremel electric vibrating engraver. That tool, however, is too loud to demonstrate at the show.

I mostly learned, it helps to become versatile in preservation as well as knowledgeable in paleontology. Thanks for the opportunity to demonstrate and thanks to Debbie, Gerry, and Justin for covering the Fluorescent Show on Saturday! While I'm at it, thanks also to Ted and Charmaine for helping with the Fluorescent Show on Friday and Sunday.

PACIFIC TIDE TABLES MAY 2003

Tide Predictions for OSU Hatfield Marine Science Center Dock
Yaquina Bay, OR PST (info from OSU Hatfield website)

DATE/DAY		HIGH TIDE				LOW TIDE			
		AM	PM	AM	PM	AM	PM	AM	PM
1	M	12:08	7.8	12:43	7.8	6:21	0.6	6:39	1.4
1	S	12:49	8.1	2:54	6.2	8:00	-1.1	7:33	3.4
2	M	1:22	8.1	3:37	6.2	8:38	-1.1	8:12	3.6
3	T	1:58	7.9	4:22	6.1	9:18	-1.0	8:56	3.7
4	W	2:39	7.7	5:10	6.2	10:01	-0.8	9:48	3.8
5	T	3:25	7.4	5:58	6.3	10:46	-0.6	10:52	3.7
6	F	4:20	7.0	6:45	6.6	11:35	-0.3		
7	S	5:28	6.5	7:29	7.0	12:06	3.4	12:25	0.1
8	S	6:47	6.1	8:11	7.5	1:21	2.8	1:17	0.5
9	M	8:11	5.9	8:52	8.1	2:30	1.9	2:10	1.0
10	T	9:32	5.9	9:33	8.7	3:31	0.8	3:04	1.5
11	W	10:44	6.2	10:16	9.2	4:26	-0.3	3:56	2.0
12	T	11:49	6.5	11:00	9.6	5:17	-1.3	4:49	2.4
13	F	12:47	6.7	11:46	9.8	6:07	-2.0	5:41	2.7
14	S	1:42	6.9	6:56	-2.5	6:33	2.9		
15	S	12:32	9.8	2:34	7.0	7:44	-2.5	7:26	3.0
16	M	1:21	9.5	3:26	7.0	8:33	-2.3	8:20	3.1
17	T	2:11	9.0	4:17	7.0	9:21	-1.9	9:18	3.2
18	W	3:02	8.4	5:08	7.0	10:10	-1.3	10:20	3.2
19	T	3:57	7.6	5:58	7.0	10:58	-0.6	11:29	3.1
20	F	4:57	6.8	6:47	7.1	11:46	0.1		
21	S	6:06	6.0	7:32	7.2	12:41	2.8	12:35	0.8
22	S	7:23	5.4	8:13	7.4	1:53	2.4	1:23	1.5
23	M	8:44	5.2	8:51	7.6	2:56	1.8	2:11	2.2
24	T	9:59	5.2	9:27	7.8	3:49	1.1	2:59	2.7
25	W	11:03	5.4	10:02	7.9	4:35	0.5	3:46	3.0
26	T	11:56	5.7	10:37	8.1	5:15	0.0	4:31	3.3
27	F	12:42	5.9	11:13	8.3	5:53	-0.4	5:14	3.5
28	S	1:22	6.1	11:50	8.4	6:30	-0.8	5:55	3.5
29	S	2:01	6.3	7:07	-1.0	6:36	3.6		
30	M	12:27	8.5	2:38	6.4	7:43	-1.2	7:17	3.6

What's Rocking?

WAMS GENERAL MEETING

Thursday
June 1th - 7:00 pm
Salem Senior Center
1055 Erixon St. NE • Salem

Guests Welcome!

MAY PROGRAM

ROCKS ALONG THE PACIFIC CREST

AND

Bring a rock for Show & Tell beginning with the letter 'E'.

WAMS UPCOMING FIELD TRIPS

Contact Joe VanCura 541-753-2401
or Rob Leedy 503-371-6421
for more information.
(See Article on Page 5 for details of upcoming trips).



MAY 2003

UPCOMING NORTHWEST ROCK SHOWS

May 3-4

3 -10 am - 6pm, 4 -10 am - 4pm
Eugene Mineral Club
52 Annual Gem, Jewelry & Mineral Show
Lane County Fairgrounds
13th and Jefferson, Eugene, OR
Betty Axtell - (541) 344-6842

May 10-11

10 -10 am - 6pm, 11 -10 am - 5pm
Bozeman Gem & Mineral Club
21st Annual Show
Gallatin County Fairgrounds
Tamarack & Black
Bozeman, Montana
Marvin Bratten - (406) 285-6719

May 31 - June 1
31 - 9am - 6pm, 1 - 10am - 4pm
North Idaho Mineral Club
Kootenai County Fairgrounds
Coeur d'Alene, Id
Janet Cutino - (208) 704-5419

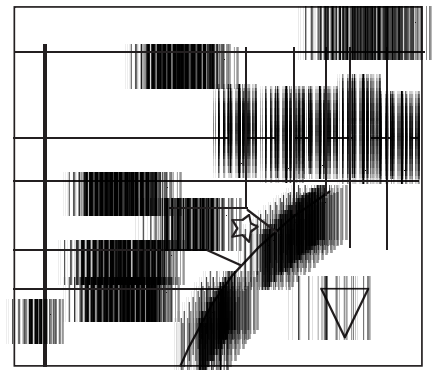
June 6 - 9

6 - 12-6, 7 - 10-6. 8 - 10-5
Puyallup Valley Gem and Mineral Club
Fruitland Grange Hall - Puyallup, WA
Julia White - (253) 223-7033



The Treasure Hunt on Saturday was a great success. The kids loved it.

Meeting Location
Salem Senior Center • 1055 Erixon St. NE



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