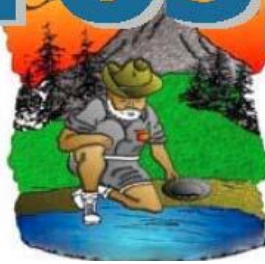


The Prospector



Official Newsletter of the GPAA Portland Chapter

Volume 13 Issue 3

Website: www.PortlandGoldProspectors.org

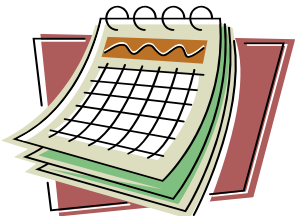
March 2013

Chapter Meeting:

March 17, 2013

At the
Milwaukie, Oregon
Grange Hall
12015 S.E. 22nd
Meeting Begins at
--- 1:30 ---

DATES TO REMEMBER...



March 2013

**EQUIPMENT
DEMONSTRATIONS
T-SHIRTS &
SWEATSHIRTS
ORDER TIME**

Our next meeting

Remember at every Chapter meeting we have the Food Drive – Every 2 items given will get you a \$1 raffle ticket – up to five tickets only

Please submit Newsletter Reports before the 2nd Friday of each month (Dec it's the 7th).



From the President's Desk

Welcome to the 13 new people who came to our meeting last month. I hope to see you this month.

We will have a demonstration on the setup, operation and clean up of a mini high banker for all of our new people.

I had a nice long talk with Sharina Davis with the LDMA. The short version is State Regulators have required work on several properties. More information at the meeting.

We still need volunteers for the Salem Gold Show, Setup on Thursday 8am until finished, we will be helping D&K as we normally do, Speed Panning, in the booth both days and Tear Down

On Tuesday March 12, I have my next Cardiology appointment and hopefully start cutting back on my meds.

Remember to reapply for your mining permits, dredging and general mining authorization.

<http://www.statelandsonline.com/>

Be safe, stay well and may the bottom of your pan be covered with gold!

**Sincerely
Richard Ruth**

Portland Gold Prospectors, Inc.

Secretary's Report February 17, 2013 Milwaukie Grange Hall, 12015 SE 22nd Milwaukie Or

Meeting called to order by President Richard Ruth at 1:30pm.

Motion made and seconded to accept Secretary's report as written in newsletter was approved.

Motion made and seconded to accept the Treasurer's report as read. Motion was approved.

59 members in attendance to today's meeting; with 13 new visitor in attendance.

Correspondences:

Miners Rally!!!

Capital Steps, Salem, Oregon

February 28, 1-4pm

We need a showing of as many club members as we can get to addend. So tell your friends and other members to be there!

Other Oregon Mining organizations will be attending also.

Let's show the State Legislators we stand united!

Please mark your calendars!

We need to have as many members and pro-mining people at the Capital as we can muster.

Membership: - Dave Chiara To get a 2013 Club membership card you need to be an active member of the club. It does not cost to join the club. If you attend three events (meetings, outings, etc.) during the year you will receive a Club membership card that is good for the calendar year. Dave has cards for current active members. If you are new to the club you will receive a card after your third meeting/event. Please sign in on the sheets near the entrance so this can be tracked.

Newsletter: Dave Chiara The newsletter is posted every month on the Club's website. In addition to this you can have the newsletter e-mailed to you for free if you include your e-mail address next to your name on the sign-in sheets. If you want to have the newsletter mailed to you, this can be done for \$15/year to help cover the cost of postage, stamps and printing. 10 copies will be printed and brought to the meeting each month.

Outings/ Club Claims – Dave Chiara In the February issue of the Club newsletter a list of proposed events has been added. Some proposed dates have been included, but these are not final yet. Dave has kicked off a committee to help him with this process and to check out what will be needed to prospect at these events. Three Club members have agreed to join in and help. Thanks to Gene, Bruce and Jerry. If additional Club members would like to join this sub-committee please contact Dave. Remember, this is your Club and we need your help to keep it productive and healthy.

Discussion topics during this section included prospecting in

the state of Washington. Reminder, you must carry the 'Gold and Fish' pamphlet at all times while out and the JARPA form (Joint Aquatic Resource permits Application). Two members of the club, Dave and Ken, visited Beverly Beach to understand what is required for prospecting there. Some gold was found, but it was discussed that we might take someone from outside the Club that has prospected there before on the first Club outing this year.

Safety: Bob Rasey No report this month, but the Club wishes Bob a quick recovery from his recent surgery.

Library: Beau Gordon – The library was back this month. Beau shared that items continue to get checked out, but he is limiting it to three items per person each month to allow all Club members selection. If you have items you want to see in the Library, let Beau know.

Club Store: New Club shirts and hoodies arrived. Some were pre-sold, but additional were bought and are available. The hats with the neck flap have yet to be ordered, but are still on the list.

New Banner: The Club has a new larger banner now! Thanks Melinda for heading this effort up! The banner has the new Club logo on it and is weatherproof. The old Club banner is still available and will be used as well when needed.

Gold Show: The 2013 Gold Show will be held Friday/Saturday March 29th / 30th. Sign-up sheets were available for the Club to help set up and run the booth. In addition to the booth, the Club will run the 'Speed Panning' area again. Please add your name to the sign-ups. The Club needs lots of help and this even is a great advertising opportunity.

(Respectfully submitted by Jerry Johns, Secretary)

Newsletter & eMails

If you have not been receiving the Newsletter by email, email us at portlandgpaa@aol.com

Don't forget, you can also download the Newsletters from our web site. If you receive the newsletter by regular mail – check the 4 digit number next to your name. That is the month and year your subscription expires (ie, 0709 means your subscription expires with the July 2009 newsletter).

Be on my committee - OUTINGS

Need volunteers to help check out, select and run outing events. Here's the tentative list.

TENTATIVE DATES FOR OUTING ADVENTURES

- **Gold Show** - March 29th – 30th
- **Beverly Beach** - April 13th – 14th
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- **Daybreak Park (Wa)** – August 17th
- **East Fork Lewis or other SW Washington River locations** – pick some dates
- **Other locations** – August - October

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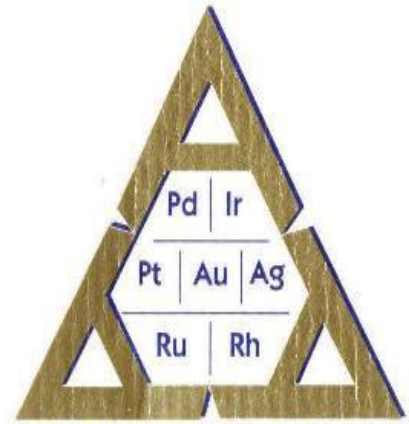
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Western Mining Alliance is Fighting For You But They Need Our Help!!!

The WMA is an alliance of miners fighting to restore our legal mining rights. We need all miners to stand together and fight this illegal taking of mining claims and our rights to mine.

If you won't stand up now we will lose all of our rights. We are an organization founded by some of the most experienced miners alive. We are teamed with other organizations fighting to take back our rights for land use, timber management, fishing, hunting and the other activities we, as Americans pay taxes to use.

We are supported by the mining equipment manufacturers; small businessmen; political representatives and of course by our claim holders. As a member of the WMA you will receive:

- Monthly e-mail updates on the legal fight
- Flash messages on critical events
- Access to our published reports on mining districts
- Join the Watershed district and the mining district

Here's a link to more info
http://westernminingalliance.org/?page_id=626



Rosewind Mining Supply

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www.rosewindmining.com

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SWEATSHIRTS HELP SUPPORT OUR
CLUB.**

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**BE A CLUB SUPPORTER
WEAR YOUR "COLORS"
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www.dk-nugget.com

Robert Rasey



Security Consultant
Firearms Instruction

Phone: 503-397-3047
Cell: 503-703-7848
casebob221@columbia-center.org

CLUB T-SHIRTS AND SWEATSHIRTS

T-SHIRTS MEDIUM – XLARGE \$20.00

2XLARGE - \$22.00

HOODIE SWEATSHIRTS MEDIUM – XLARGE \$28.00

2XLARGE – 3XLARGE \$30.00

ZIPPER HOODIE SWEATSHIRTS

MEDIUM – XLARGE \$36.00

2XLARGE – 3XLARGE \$40.00

BE A CLUB SUPPORTER – WEAR YOUR “COLORS”

GPAA Membership Renewal Credits

	1 Year	2 Year	3 Year	1 Year w/o mining guide
Buzzard Special	1,365	1,820	2,730	
GPAA Membership Renewal	1,365	1,820	2,730	1,365
Gold Life Membership	Paid in Full 22,750		Payment Plan @ Sign-up 2,275	
LDMA Membership	68,250		18,275	
Alaska Expedition	Once Expedition is Paid-in-Full 22,750			

WHEN RENEWING, PLEASE WRITE A NOTE OR BY PHONE SAY YOU BELONG TO THE PORTLAND, OR GPAA CHAPTER TO REQUEST THE CLUB CREDITS.

These credits are used to buy things from the GPAA Catalog. If you do not have a GPAA Catalog, you can go to <http://www.goldprospectors.org/catalog/index.asp?PageName=Catalog> to see what all they have. If there is anything in the catalog that you would like to have for the raffle Please let one of the board members know.

All members note:

Our club earns purchasing points with renewal of GPAA Membership. Please tell them you're a Portland Gold Prospector member.

Building an Intake Screen for High Banking or Dredging in Washington State

By Gene Dietzen and Jayson Cottle

In order to dredge or high bank from a stream or river in Washington State you will need the correct intake screen size for your water pump intake.

The Washington Gold and Fish Pamphlet is required by the WA State Dept of Fish and Wildlife to do mineral prospecting and placer mining within the state. It is your permit. It must be with you in the field (car is ok). It's free, contact: <http://wdfw.wa.gov>.

Equipment regulations regarding intake screens can be found in the pamphlet on page 12, item (i) of the current issue.

Under RCW 77.57.010 and RCW 77.57.070, any device you use for pumping water from fish-bearing waters must be equipped with a fish guard to prevent passage of fish into the pump intake. You must screen the intake with material that has openings no larger than 5/64 inch (.0781) for square openings, measured side to side, 3/32 inch (.0938) diameter for round openings, and the screen must have at least one square inch of functional screen area for every gallon per minute (gpm) of water drawn through it. For example, a 100 gpm-rated pump would require at least a 100 square inch screen.

We decided to build intake screens for our equipment. We are using window screen wrapped around a 5-gal bucket that has holes drilled in it. The bucket keeps the screen from collapsing.

Materials list:



- 5-gal bucket and lid from Home Depot
- 1-tube of Shoe Goo from Bi-Mart (Sporting Goods Dept)
- *We tried E6000 available everywhere and found that Shoe Goo set-up fast and the screen could be hand held for a minute or so without tying, but the E6000 need to be tied and let dry. Both work.*
- 3 ft x 3 ft. piece of Stainless Steel window screen with 1/16" (.0625) square openings (under the requirement)

Tools:

1-1/2" hole saw, or spade bit with drill
String

Marker pen

Duct tape

Popsicle sticks or similar
Cloth tape measurer
Calculator
File or de-burring tool

Shoe Goo/E6000, or other
Straight edge ruler
Awl or ice pick
A pointed tool-like a scribe or small screw driver

We needed to calculate how much screen area would be needed. How many and what size holes would we need to drill in the bucket? Here's the calculation process. You can adapt it to any container.

GPM-Gallons Per Minute: We have several water pumps. The gpm have been calculated for each of them.

1" Harbor Freight pump – 37 gpm requires 37 sq. inches of screen

2-1/2 hp Honda, 1-1/2" pump produces 72 gpm requires 72 sq. inches of screen

1-1/2" Harbor Freight and Briggs pumps produce 75 gpm requires 75 sq. inches of screen

2-1/2" pump is used and has no model number, we figure that it is close to 210 gpm*.

*Harbor Freight lists the 2" Clear Water Pump @ 151 gpm, and the 3" trash pump @ 264 gpm (requiring a larger container).

How many holes? The formula is r^2 (radius of hole squared) x pi (3.14) for the surface area of each hole. Based on one 1-1/2" hole--- $R = .75$, $R^2 = .5625$ x 3.14 = **1.766** sq inches per hole

So: to look nice --we decided on to alternate between 4 holes per row and 5 holes per row around the bucket with a total of 18 rows making 81 holes. We didn't need that many, but wanted one bucket to fit several pumps.

81 holes = 1.766 x 81 holes, or 143.066 sq inches of screen surface. Plenty of screen surface for the smaller pumps. Jayson said-what if I want to maximize the bucket's useful screen size. We added 40 more holes in the top and bottom of the bucket. This gave him 213.69 sq inches of screen surface which is good for the 2-1/2" pump. Keep in mind that you can build a smaller bucket that exactly fits your equipment! The building instructions can be applied to any size bucket.



Building: Remove the handle from the bucket



Hole Layout:

Lay your bucket on its side and measure along the bottom of the lowest rail near the top of the bucket. Mark every two (2") along the rail. Next, measure up from the bottom of the bucket 2-1/4" from the bottom. Run your cloth tape around the lower portion of the bucket at that point. Measure every 1-15/16" along the tape. The holes will work out to be close enough, but you can always make adjustments. It helps if another person can help hold things for you.

Hole sequence for rows alternating 4-5 hole, top to bottom, around the bucket using a Home Depot orange bucket (others may vary).

4 holes

- Hole 1. 2-3/8" from the lip that you measured around
- Hole 2. 4-3/8"
- Hole 3. 6-3/8"
- Hole 4. 8-3/8"

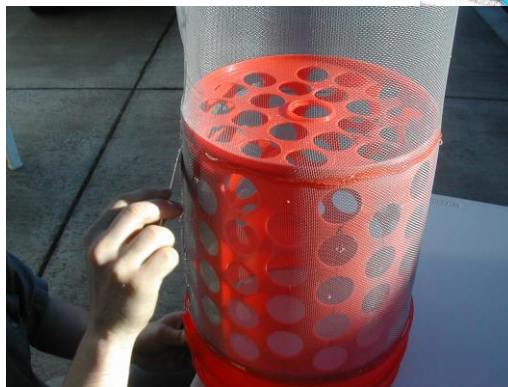
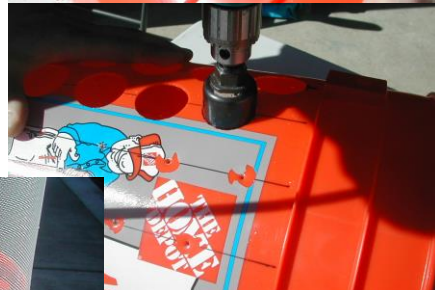
5 holes

- Hole 1. 1-1/2" short (just under)
- Hole 2. 3-1/2" short
- Hole 3. 5-1/2" short
- Hole 4. 7-1/2" short
- Hole 5. 9-1/2" short.

Next: Use the awl to center mark each hole location prior to drilling. You can double check your measurements by eyeballing the marks. Adjust if necessary.

Now drill all holes into the sides. We found that after each hole the plug needed to be removed before we could drill the next hole using the hole saw. We used a pick tool (or small screw driver) to remove each plug from the hole saw. The spade bit is just a little crazy to use, but can be done. Use one with the side cutters. Be careful.

We marked the bucket so that we had a line to follow. From the inside of the bucket apply several 5" or 6" pieces of Duct Tape covering the holes along the joint. Apply diagonally. Apply Shoe Goo where the wrapped screen crosses going around the bucket. Apply snaking top to bottom downward avoiding the holes, and applying the Shoe Goo into each indent and both directions along the path to form a good bond area for the screen. Place screen unto the joint area, press against the inside Duct Tape from both inside and out to secure the screen and use 2-small pieces of Duct Tape to hold the upper and lower corners on the outside until set.



Next: Remove the two small pieces of Duct Tape on the outside. Run a bead around the measuring lip at the top, and a bead around the very bottom of the bucket. Pull your screen around the bucket and over-lap the first joint. Tape the screen to itself to hold in place. Now, run

another bead of Shoe Goo down the vertical seam. Work in and smooth with a popsicle stick. Press the seams around each the top and bottom of the bucket. Apply more Shoe Goo on all as the Goo sets. Let dry for a day. Cut the extending screen material from around the buckets bottom. We placed ours on a table, face down, and ran razor blade around the top edge of the bucket for a clean cut. Apply any necessary Shoe Goo to raised or sharp joints. Remove last pieces of duct tape from the inside.

Last: Cut the appropriate diameter hole in the center of the top of the bucket. Mine measured 1-7/5", Jayson's was 2". To use, take the flapper valve, or end off the pump intake hose (the end that goes in the water). Push it through your hole in the bucket lid, re-attach the flapper and strainer-secure the lid to the bucket and throw the bucket assembly into the water! Ugly-Oh yes! But it's legal. It might be a thought to use this in Oregon to cut off the Greenies??? Of course we'd then be putting ugly stuff in the water and scaring the fish???

The gold boys. See you on the river-Gene and Jayson

Be on my committee - OUTINGS

Need volunteers to help check out, select and run outing events. Here's the tentative list.

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- **Other locations – August - October**

Do you know the Portland Gold Prospectors Inc Code of Conduct and Claim Permit?

1. Carry your Membership Card & Claim Permit At All Times.
2. Member Agrees To Obey All Local, State & Federal Regulations Applicable To Their Activities.
3. Member Assumes Personal Responsibility For Obtaining All Permits Required for Their Activities.
4. Member Is Responsible For Maintaining Claims, Markers, Trash Removal & Keeping Claims Safe For Animals and People.
5. Pets Must Be Under the Control of Their Owners At All Times. Clean Up After Pets in Camping Areas.
6. Member Will be Courteous To All Members and Campers
7. Member Will Show Their Membership Card Upon Request.

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