



Desert Gold Diggers Gazette 2019



The official publication of Desert Gold Diggers Inc. A report of the happenings and business for April, May 2019

May you always find yellow on the bottom of your pan



Monthly Meetings

Membership Meeting

1st TUESDAY OF EVERY MONTH @ 6:00PM

ELLIE TOWNE

**FLOWING WELLS COMMUNITY CENTER
1660 W RUTHRAUFF ROAD,
TUCSON AZ 85705**

It's a bright and beautiful room with air conditioning, built-in audio system, indoor bathrooms and a well-lit parking lot with plenty of space! For those of you coming from in town, Oracle and Wetmore will be your major intersection and travel west on Wetmore. The center is located on the north side of the road as Wetmore turns into Ruthrauff, at the curve if you have any questions please call: David Salars @ 520-490-4154

GAZETTE SUBMISSIONS ARE

WELCOME

If you know any stories, techniques or want to submit a review of a mining/prospecting related book please send them to me at gold-gazette45@gmail.com

Business Meeting

3rd Tuesday of Every Month @ 7 pm

IHOP at the SW corner of Oracle and Limberlost.

4187 N. Oracle

Monthly Events

June 2019

4th Membership Meeting @ 6:00 PM, tentatively at the Ellie Towne Center

9th (sun) Hope 1 7:00AM Gardner Canyon Road and Hwy. 83

18th Business Meeting @ 7:00 PM IHOP, 4187 N. Oracle

July 2019

2nd Membership meeting @ 6:00 PM, tentatively at the Ellie Towne Center

6th (SAT) Shadow claims Caballo Loco Road "A" Rock

16th Business Meeting @ 7:00 PM IHOP, 4187 N. Oracle

August 2019

6th Membership meeting @ 6:00 PM, tentatively at the Ellie Towne Center

11th (SUN) Wishful Claims General Store in Arivaca

20th Business Meeting @ 7:00 PM IHOP, 4187 N. Oracle

September 2019

3rd Membership meeting @ 6:00 PM, tentatively at the Ellie Towne Center

7th (SAT) Bruiser 1 Claim 1st circle K in Oracle

17th Business Meeting @ 7:00 PM IHOP, 4187 N. Oracle

For submissions to the Gazette or suggestions contact David Salars at goldgazette45@gmail.com

WE WILL BE DOING A MEMBERSHIP CARD CHECK AT OUR NEXT MEETING, PLEASE BRING YOUR MEMBERSHIP CARD.

The President's Corner

Although the spring weather has been forgiving up to this point the heat of summer is on the way. Water, good full brimmed hats and sunscreen are some of the tools used to beat it. It's always best to get started early, for years a member got out of bed between 3 and 4 every morning so he could prospect for a few hours and be back in town before noon. When he got back he would have himself a nice lunch and nap in front of the TV the rest of the day. The heat really isn't the killer in Tucson's summer as long as a person is hydrated, it is the sun. If you're broken down and decide to walk for help be sure to take lots of restful breaks sitting in a good shady spot and be sure your phone is fully charged so when you do hit into an area with cell service it's not dead.

I'm pleased to have some new faces on the board as it keeps fresh ideas coming into the club. I encourage all the members to get involved and do the most you can for the club, everyone has to remember that this is your club and you will get the most out of it by getting involved. The 2nd Tuesday in August we will begin the Nugget social committee meeting again, if you want a say in what happens at the steak fry, Christmas Party and annual Picnic as well as come up with new ideas for club events.

Happy prospecting to everyone and of course may the bottom of your pan turn yellow.



Panning instructions in the garage for spring break visitors from Seattle.



Old Cabin in Bear Creek at the road to Sycamore Canyon near Silver City, NM

DGD BUSINESS MEETING MINUTES MARCH 19TH, 2019

Meeting Called To Order: 6:57pm

Minutes: Previous business meeting were handed out prior to meeting, read, and approved.

Gazette: Dave will add more pics and other information as it comes in from members. He has had good response about having older pictures, etc. and would like to keep doing more

Membership Report: Dolores reports that there are 336 members with 6 new members.

Web Master Report: Website is up to date, but Maria wants to confirm information between the Gazette and website

Treasurers Report: Kim handed out summary and was reviewed with board members.

Gold Masters Report: The monthly gold inventory was emailed to board members. At this month's membership meeting,

#1 nuggets given out were: 2 for Find of the month, 1 for shirt, 3 for badge, 3 for hat. 8 #2 nuggets given out for yellow ticket raffle, and 3 #3 nuggets given out for red ticket special draw

Outings Director: Outing this month started on a clear day but during the afternoon it was raining, and temperature dropped to 19 degrees. Members split up into 4 groups to cover more ground. Afterwards, gold was processed and divided out amongst the members. As usual, the food was good, and the outing was an overall success.

Claims Committee Report: Nothing substantial to report

Historians Report: Mary would like to do an article or get information on surrounding ghost towns. Information such as the history, the people associated, the reasons why they left, specific stories or ghostly tales.

New Business: Discussion was had about replacing the BBQ or repairing the BBQ. Majority of board wanted to replace. There was no vote, just discussion. We need to research pricing and types. Dave would like to get a large grill such as the 8-burner event grill. In any case, the grill would have to be retrofitted with handles for lifting and moving

Next membership meeting is election night. It will be a shorter night so Dan Walker will be the speaker.

Discussion was also had about having members come up during meetings and talk about interesting items that they have found that **ARE NOT gold**...show and tell; as long as the item doesn't weigh approximately 200 pounds and smell funny.

Meeting Adjourned: 7:25p

Business Meeting 04-16-2019

Board Chairman Marion Vittetoe open the DGD Board Meeting at 7:PM

The Board approved the meeting agenda.

The minutes from last meeting were unavailable.

The board read and approved DGD Gazette published by David Salars.

Dolores Salars, Membership Director, noted the club added two new members this month. Wayne Gerhardt and Joe Arthur Pearson. Maria Hansen, Web Master, plans on updating photo gallery on the DGD web site.

Marion asked for board expenses to be turned in to our new Treasurer, Erick Ramirez.

Kim, Outgoing Treasurer, noted club a bit in the red primarily because of the need to restock a few more items in our store.

Bob Burgette, Goldmaster, provided the status on the club gold supply.

Dave reported that the nuggets social committee will reconvene in August.

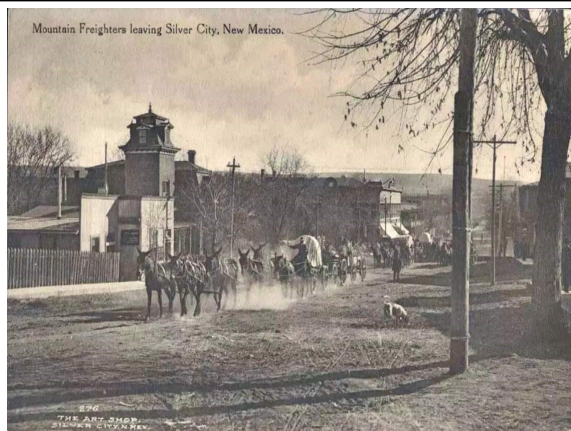
Dan Walker, Outings Director, mentioned that 25 members showed up for the monthly outing. The group experience was greatly enhanced as new family members and their children joined in the fun. Dan also mentioned that there are still 3 coins worth a gold nugget left to find.

Bill Austin, our Claims Director, is looking for a new claim in the Ophir Wash area. Bill reported the claim sign at Stephens 1 is missing. He will replace soon.

The board approved to replace our current barbeque grills and purchase a large heavy duty 8 burner grill for outings from Sam's Club. The board unanimously chose Carol Crites and Larry Russell for the coveted "Pioneers Of The Year" award in recognition of their incredible contributions to the Desert Gold Diggers.

The next Board Meeting will be at the IHOP at the SW corner of Limberlost and Oracle RD.

Bob Melzer, made a motion to adjourn the meeting at 7:35 pm and the Board agreed.



Mule drawn freight wagon headed to Mogollon, NM from Silver City carrying tools and equipment.



Mogollon, New Mexico

Southwest Mining Towns

Silverbell, Arizona

The earliest records of mining around Silverbell began in 1865 when the Old Boot mine opened. Most of the mining in the area was on small but rich pockets of lead/silver ore. A shortage of potable water greatly limited the establishment of a mining camp in the area.

The town of Silverbell began to grow in 1902 when the Imperial Copper Company began large-scale mining. Again water supplies were problematic as well as the high cost of transporting ore by mule teams to the railroad at Redrock for shipment to be refined in El Paso or Douglas. These problems were solved by the construction of the Arizona southern Railroad from Silverbell to Redrock in 1904, its rail bed still intact as SASCO road however; the track was removed for scrap in 1934. In 1908, the smelter at SASCO opened and water was harvested from the Santa Cruz River, armed guards were stationed to protect the rationed water supply for the townsite. The post office was established in 1904 and is reportedly never deactivated.

In 1911 the parent of Imperial Copper Company, the Development Company of America declared bankruptcy closing the smelter. It was later reopened when the mine and smelter controlled by ASARCO through a rental agreement. ASARCO conducted operations until 1921 when the company decided to focus their resources elsewhere. The SASCO Smelter never reopened.

ASARCO was offered and purchased the Silverbell property for \$40,000 and the nearby El Tiro Property for \$10,000 creating the new townsite about 2 ½ southeast of the original townsite in 1954. The homes in the community were crude but they had inside plumbing, the residents would place wet blankets over the windows to keep them cooler during the typical summer heat. The new townsite remained populated until 1984 when many of the houses were moved to Rillito, Marana and Tucson, it is reported that the trucks moving the houses were required to pull over when 20 vehicles were blocked behind them.

The area is about 35 miles northwest of Tucson and can be reached by taking Avra Valley Road. The new townsite is south of the ASARCO Mill, the sewer treatment plant and several foundations. The original townsite has mostly been consumed by the open pit mine. An extensive history of the district can be found at http://repository.azgs.az.gov/sites/default/files/dlio/files/nid1714/cr-17-a_silver_bell_district.pdf.

Book Review:

“WESTERN MINING” an informal account of precious-metals prospecting, placering, lode mining and milling on the American frontier from Spanish times to 1893. By Otis Young Jr.

This book is one of the most informative yet simple books on early American mining and mineral processing I've found. The author draws great complex and technical information from several classic texts and reports and distills it down into an easily readable format with an enormous amount of information.

The places and people described in the book are well worth the information itself. It tells of great mining districts such as the Comstock lode and a well versed history of the area around Tombstone which is commonly bypassed due to the great history of the Earps and Clantons. The history of Spanish slavery in the new world is reviewed and the dangers of the ancient processes discussed.

If not for an interest in mining a person should at least read Western Mining as a tour through New World History. It outlines interesting events throughout the west that lead to what the western states have become as well as the people involved.

DGD Membership Meeting Minutes

DGD Membership Meeting Minutes March 5th 2019

- Meeting called to order at 6:05p by President Dave Salars and Pledge of Allegiance
- Acknowledgements were given to all guests, birthdays, anniversaries, and new members.
- Reminder about Beverly Holmquist passing. DGD will have a remembrance on March 28th at 5:30p at the San Pedro Chapel located at 5230 E. Fort Lowell. This will be a pot luck, so members are asked to bring a dish if possible.
- The Speaker tonight was Kim Ransom who provided the annual budget and a detailed breakdown of income and expenses.
- Dan Walker presented the Outings report: Dan reports that last outing went well. 18 people showed up. A new couple went with Dan and others and practiced panning and took some pay dirt home to practice with. Martin found a good piece of Bornite and JR found a few good pickers. One member reports that the fencing was cut on the Searcher 1 and 2 claims. The owner of the property says that if anyone is caught cutting fence, they will be arrested and prosecuted.
- Carol is moving so she will be giving up the reins to the DGD store. She already has someone taking over for her in this position.
- Dave and JR will be going to the supply shed to get equipment for this month outing. This outing will be on Friday, Saturday, and Sunday. Friday we will have a chili cook-off. Saturday will be Brats, Hamburgers, Hotdogs. This will be a common dig outing, so everyone needs to bring buckets and a good shovel for digging. Everyone who registers will receive a bag with a portion of gold. We will be going to the Hope 2 Claim for this outing.
- Dave and Sue brought up the topic of elections for new officers and board members. DGD needs a new Vice President, Treasurer, Secretary, and 1-year board members. After discussion with members, it was determined that JR Smith and Kay Jenkins will now run for Vice President...Carl Wruck will run for Secretary. Bob Barnes will run for 1-year board member. All other posts will stay the same.

DGD Membership Meeting Minutes April 2nd 2019

Meeting called to order at 6:02p by President Dave Salars and Pledge of Allegiance

Acknowledgements were given to all guests, birthdays, anniversaries, and new members.

The Speakers tonight were Kim Ransom who presented a slide show about her ancestors Jasper and Immogen Vail and the Vail Mines in Nevada. Also speaking was Dan Walker who told a story of how he was bit by the gold bug.

Two members brought up some of their finds to share with the membership. Jim Bowen brought up a belt buckle he received when working on the pipe line. The buckle was made by the Piute Indians in that area. Jim Roessner brought up a large grinding stone that he had found

Dan Walker reports that this month outing will be at the placer pond. Members are to meet at the Greaterville turn off. We will leave the turn off area at 8:00 to go to the claim so be there early. There will be a nugget shoot.

This was election night. Election results are as follows:

President	David Salars	Vice	Kay Jenkins
Secretary	Carl Wruck	Outings	Dan Walker
Historian	Mary Garcia		

1 Year Board Members:

Carl Wruck	Mary Garcia	Marion Vittetoe	Ed Madson
Bob Barnes	Kim Ransom		

A 15-minute break was taken before the raffle

Nugget raffle was held, the meeting was adjourned at 7:36PM

Gold, silver, and copper values April and May 2019

Gold values:

February Close/March Open \$1312.94 March close/April open \$1293.30 April close/May open \$1283.29

Silver values:

February close/March Open \$15.60 March close/April open \$15.22 April close/May open \$14.95

Copper values:

February close/March Open \$2.95 March close/April open \$2.96 April close/May open \$2.90

GOLD PROSPECTING BASICS

Qualitative and quantitative analysis

Qualitative analysis of rock and ores samples is the determination of what valuable elements may be in those samples. These determinations can be made by dissolving a sample of the material desired for testing in an acid or combination of acids. Other chemicals are added to this solution with hopes of seeing a certain reaction, usually a precipitated residue, depending of the element for which is being tested. Another qualitative method of analysis is paper chromatography. This consists of bringing the material into solution, usually with an acid, and drawing the solution through a piece of filter paper to reveal colored bands at different levels in the filter paper. A simple test to distinguish Gold from pyrite is to attempt to dissolve the material in hydrochloric acid. If the material is in question dissolves it is most likely some form of pyrite. Great care must be taken when using acids, they can cause serious harm.

Simple mineral identification techniques can be found in field guides to rocks and minerals. These books are great for the prospector and rock hound to make quick determinations of what mineral may be in a prospectors hand. The outline the techniques of mineral identification by cleavage, fracture, crystal habit, color, streak, specific gravity, hardness and luster. These field guides are published by Simon and Schuester, Petersons and the National Audubon Society.

A quantitative analysis determines the amount of a given element in the desired sample. One of the oldest methods used to determine the quantity of gold in a sample is the Fire Assay. A large sample prepared by evenly cutting, pulverizing and splitting the material into a portion that is about 30 grams. A flux such as silica, soda or borax with a lead compound know as litharge are added to the sample depending on what other elements may be present. The sample is placed in a furnace heated to a temperature of 2000 degrees and melted then poured into a iron or graphite mold the mixture of the lead from the litharge and the gold settle to the bottom of the mold and upon cooling the material is busted with a hammer to remove the undesired silicates leaving the a lead button. The lead button is placed in a clay crucible called a cupel. The cupel is placed in a furnace and melted the lead is absorbed into the cupel and a button of gold is left. An exact weight is determined of the gold button and compared to the weight of the original prepared sample.

Atomic Absorption Spectroscopy is a quantitative analysis in which the material is dissolved into a solution with a determined chemical and atomized into a flame through which a light from a special bulb is cast and the reading is recorded through a photomultiplier tube and the determination of its value is made.

Early in the history of mining in the west the local assayer was held in as high regard as the local mayor and judge. A good and trusted assayer had to be of the utmost honesty and character, without these qualities his work would be in question and his business would suffer. A dishonest assayer would be quickly shunned, and most likely be run out of town.

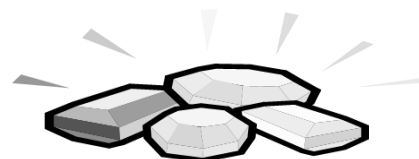
DGD April 2019 OUTING DIRECTORS REPORT

Sunday April 7 we met at 8:00 AM at the Greaterville exit on Highway 83 for the Placer Pond Outing. We had a very good turnout of 29 members plus children. We started by caravanning to Placer Pond 1 for our metal detector hunt, where (25) pennies were hidden. Pennies were worth a dollar coin of which there were (20). Special marked pennies (5) were worth gold nuggets. With the help of the children all the dollar coins were found, thanks to dads, moms and members. The Special marked coins weren't as successful only (2) coins for nuggets were found by the time the hunt was called at 9:45 AM. The other (3) nuggets can be exchanged at the next meeting if found.

The best part of the hunt was watching the enjoyment of the children running around looking for pennies, digging tools in hand and exchanging them for dollar coins; Dolores Salars took pictures and James Roessner flew his drone over the detector hunt area.

After the detector hunt the members went to explore and hunt on there own. The popular spot was the pond that was full of water. The weather was picture perfect for this outing.

Thanks to all for their attendance.
Happy Hunting till next month. Dan



DGD May 2019 OUTING DIRECTORS REPORT

Saturday May 11 we met at 8:00 AM near Mile Post 7 on Arivaca Road, for the Snoozin Claims Outing. We had a very good turnout of 16 members. We started by caravanning to a flat area to have the metal detector hunt. I planted targets (25) pennies Pennies were worth a dollar coin of which there were (20). Special marked pennies (5) were worth gold nuggets. All the coins were all found by the time the hunt was called at 9:45 AM.

After the detector hunt the members went to explore and hunt on there own. Kim Ransom, Aaron Flores and I helped Max and Andrea Offermann process an area with their Dry Washer. We did find some fine gold in the bank. The weather was picture perfect for this outing.

PS: We talked to James Roessner on our way back to town.

Thanks to all for their attendance.
Happy Hunting till next month.

Dan



Dan Walker



Turning in his find at the
April Outing Nugget shoot



April Outing Nugget Shoot at
Placer Pond



Working the highbanker at
Placer Pond

MEMBERSHIP NEWS



ATTN: MEMBERS,

I have been coming across a lot of members stating they are not receiving their bi-monthly gazettes, come to find out they changed their email address. Please send me an email with your new email address so we can get the gazette out to you. Please send to DGDmembership@gmail.com

Please keep in mind that all above dues are for family memberships which include two adults and anyone under the age of 18 years.

Only one membership card

Dolores Salars

Membership Director

520-247-2877

Membership is as follows:

- **\$45 a year**
- **\$5 mailing fee for the Gazette there is no charge if Gazette is received by email.**
- **\$15 for required name badge**
- **\$15 for any extra or replacement name badge**

RENEWAL MEMBERSHIPS

Remember to check the date on your membership card—or you can e-mail the **MEMBERSHIP DIRECTOR** at goldmembership45@gmail.com for your membership expiration date.

Dues can be mailed to
DESERT GOLD DIGGERS
PO BOX 5215
TUCSON, AZ 85703

IF YOU HAVE A CHANGE OF ADDRESS OR EMAIL PLEASE CONTACT
MEMBERSHIP DIRECTOR

You can also pay your dues at any membership meeting. Renewal Dues are \$45.00/year/family if your receiving your Gazette by E-mail and extra \$5.00 will be charged to have the Gazette mailed to your home.

DESERT GOLD DIGGERS OFFICERS 2019 – 2020

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The Nuggets
Meeting at 6:00pm the 2nd Tuesday of each month at Ellie Towne August to March

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Kim Ransom

GAZETTE EDITOR

David Salars
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Website administrator

Maria Hansen (use the email address dgdgazette@gmail.com to contact Maria)

CHIEF CLAIMS STEWARD

N/A

DESERT GOLD DIGGERS BOARD MEMBERS

ONE YEAR BOARD MEMBERS

Carl Wruck, Mary Garcia, Marion Vittetoe, Ed Madson, Bob Barnes, Kim Ransom

TWO YEAR BOARD MEMBERS

J.R. Smith , Louis Pill, Bob Melzer, and Beverly Holmquist

THREE YEAR BOARD MEMBERS

Sue Lopez , Allen Shea , Ron Breault, Dolores Salars and Howard Cooper

****CHAIRMAN OF THE BOARD: Marion Vittetoe**

See the Club Store to get COLOR, laminated, full size maps, with driving directions and GPS coordinates for all the claims! If you prefer, grab the DVD and print out your own maps and directions.

These are just \$5.00

Club Store



Stop by our Club Store for a nice t-shirt, hat or maybe you are in need of a scoop. We carry laminated maps, pins and many other items. Our shirts make great gifts.

NOW—at the DGD Club Store....

All the maps on DVD!!! For the small price of \$2.00—you can take home a DVD that contains the color topo maps, GPS coordinates, directions to the claims and other useful information. You can print out what you need, when you need it!!

We also have more laminated maps back in stock—\$2.00 for each map or the complete set of 5 for just \$9.00. These have the color maps on one side and the GPS, directions, etc. on the other side.

We also have polo shirts, t-shirts, hats, visors, patches, license plates and laminated maps of all the claims and also CDs of all maps.

Come out and support the club with purchases from our club store.

WEB MASTER REPORT

THE WEBSITE HAS BEEN UPDATED



Thanks,

Maria Hansen

<http://desert-gold-diggers.org>

Remember to have your badge and your membership card with you when you are on the claims. Take plenty of water—and drink at least 8 oz. every hour—if you wait until you feel thirsty, then you are already dehydrated!

Thanks for helping keep the claims clean and filling in the holes that you see.

Message from the Gold Master

At the moment we are not buying any gold. When we do we are looking for the size gold that we raffle off at the Membership meetings. If you have some contact us via email at v_1robu1@hotmail.com. And let us know the size and approximate amount. Thanks
Bob Burgette, Gold Master

Desert Gold Diggers, Inc., is a Non profit Arizona Corporation, exempt from Federal Income Tax under Section 501(c)(7) of the Internal Revenue code.

www.desert-gold-diggers.org

Dues are \$45.00/year/family when the Gazette is sent via e-mail and \$50.00/year/family if the Gazette is sent via regular mail., included in Membership Packet is One Name Badge and Claim Maps Dues should be paid within 30 days of your anniversary month of joining Desert Gold Diggers. Check your Membership Card for expiration date. Renewal fees are \$45 for Emailed Gazette, a \$5 if the Gazette is Mailed , or

e-mail DGDMembership@gmail.com and request your due date. Dues should be mailed to the Membership Director, Desert Gold Diggers, PO BOX 5215, Tucson, AZ 85703

DESERT GOLD DIGGERS

Upcoming Events

Membership Meeting June 4th

Ralph Montano will give a presentation on Reading topographical maps.

A Saturday April or May

Ralph Montano will give a presentation on reading topographical maps.

Summertime

An Event which stands on it own it the summer heat in southern Arizona. We're at the edge of snake season and the dry season so be sure to drink lots of water and watch your step. Don't forget to tell someone where your going.

September

We will contact the management of the Hay Creek ranch south of Oracle to see if we can get a deal on camping spots and turn the September Outing into an overnight outing and pot luck.

2019 OUTINGS

JUNE 9 TH (SUN)	HOPE 1	7:00 AM	GARDNER CYN RD. & HWY 83
JULY 6 TH (SAT)	SHADOW CLAIMS	7:00 AM	CABALLO LOCO RD. "A" ROCK
AUGUST 11 TH (SUN)	WISHFUL 1	7:00 AM	17180 W. ARIVACA RD. AT THE STORE
SEPT. 7 TH (SAT)	BRUISER 1	7:00 AM 1	ST CIRCLE K IN ORACLE
OCTOBER 6 TH (SUN)	SHADOW CLAIMS	8:00 AM	CABALLO LOCO RD. "A" ROCK

DGD Winners - April, May 2019 —Congrats to all!

Come and join us at the next meeting and you, too, could be a winner!! Come **early** and get your tickets—**Special Raffle (\$2.00) - Nuggets (\$1.00/buy 20 and you get an extra ticket for the 20:1 Nugget drawing for 'free') and just wear your hat, shirt and badge and get 3 FREE chances!!!!**

When the raffle is over—**DON'T throw** out those tickets! Sign the back of the gold tickets and put them in the **HANG OVER Nugget Jar!** (located at the front of the room) Once a quarter we award 3 more nuggets drawn just from that Jar. So—you get another **chance to win!!**

F.O.M. Winners: Don Noel, Jim Reuz,

Hat winners: John Davidson, Louis Pill, Lloyd Gould, Dan Manning, Jim Bradley, Bob Ecker

Badge winners: Lou Gasca, Martin Smrcina, Dan Ruble, Bill Thomson, Bob Ecker, Judy Vitte

Shirt Winners: Max Offermann (2)

Regular Nuggets: Max Offermann, Al Minker, Marion Vitteto, Bob Ecker, Martin Smrcina, Wayne Blake, Ted Vasili
Pat Porter, Mick Burkarl, Jim Bradley, Martin Smrcina, Bob Delfs

Red Ticket: Bob Delfs, Sue Lopez, LM Tipping, JR Smith

Jade Cabochons donated by Don Noel: Jim Bradley

Amethyst and citrine cabochons donated by Don Noel: Ted Vasiliw

Onyx Cabochons Donated by Don Noel; Don Geyer

Hang Over: JR Smith, Lloyd Gould, Al Minker

1/4 ounce nugget: Frank Roop

Mohs Hardness Scale

The resistance in which a smooth surface of a mineral offers to scratching is its hardness. Determining the hardness of a mineral is one of the first techniques in determining the type of mineral in question. In 1824 Friedrich Mohs chose 10 common minerals by which to compare the hardness of any mineral, they are as follows.;

1—Talc	2—Gypsum
3—Calcite	4—Fluorite
5—Apatite	6—Orthoclase
7—Quartz	8—Topaz
9—Corundum	10—Diamond

Sets of these minerals can be purchased at stores that specialize in the sale of scientific items or assembled by following the list above.

Specific Gravity (Relative Density)

Specific Gravity is the number that expresses the ratio between the weight of a substance and its weight in an equal amount of water at 4 degrees C. Specific gravity is very useful in identifying minerals and gemstones when other tests would damage the mineral. Specific gravity of some common materials is as follows:

Water—1	Quartz—2.65
Garnet—3.5-4.3	Pyrite—5.02
Zinc—7	Iron—7.3 - 7.9
Copper—8.9	Silver—10.5
Lead—11.34	Mercury—13.6
Platinum—14	Gold—19.3

The high specific gravity of gold causes it to react in a flowing stream of water in a way that is desirable for its deposition. Gold can be deposited out of the flow of water in an area where the rate of flow is decreased and thus the energy of the stream is decreased.



MASH REPORT

Don Hartzler had a cancerous tumor removed from his kidney

Andrea Offerman's mother passed away

Janine Walker, Dans wife was hospitalized with a heart issue.

Bill Austens wife is going in for foot surgery.

If anyone know of any members or their family members that are injured or ill please contact

Amber Clark—amclark469100@gmail.com

BLAST FROM THE PAST

Just a few memories of club activities years ago



Ed Ramos and Bobby Block at Pilgrim's Progress, March outing 1994



Jerry and Mary Schultz at Pilgrim's Progress 1994



Sid Peale and Jack Stevenson



Ron Malaney and Chris Morret Staking corners and Pilgrims Progress

The DGD Market Place



Free **'FOR SALE OR WANTED'** ads are on a **one month basis** and are for **DGD members only**.

Deadline for the ads is the **15th of the month**. If the space is limited, we must limit each ad. **Please send your carefully worded ad to the Gazette editor at Goldgazette45@gmail.com**

Minelab Eureka Gold Metal Detector with Head Phone and Metal Prospectors Pick \$500.00

Garmin GPSMAP 62 Handheld with Case, World Map, Arizona Map Chip
Color Coded, Memory Chip, and Computer Cable, Used 1 Time \$250.00

Gold Cube 4 Stack, Stand, Pump 12 Volt, Hose, and Tub \$400.00

Gas Powder Gold Crevice Vacuum New, Never Used \$200.00

Black Magic Fine Gold Recovery System, Pump 12 Volt, Hose, and Tub \$150.00

Thunderbolt 1.5 Watt Solar Battery Charger \$ 20.00

Werker Battery 12 Watt WKA-12-5 F and Charger \$ 20.00 Keen Sluice Box 36" \$ 80.00

Numerous 14" Gold Pans, New & Used; Each \$ 2.00

Numerous 5 gal Bucket Screens, Various Sizes; \$4.00 each Ridgeway Condor 4-Room Cabin Dome Tent
198 sq ft, Sleeps 11, New Still in Box \$100.00 David Shelsher. Dshelsher@gmail.com



1992 Jeep YJ, well maintained and gently used with lots of new parts
\$8500

Recirculating Highbanker, Ready to run W/3700 GPH pump \$300
Riki Martene riki260@gmail.com

Keene 140 drywasher with QD hoses. \$425 contact Hank Selfridge at bigindian1@cox.net

