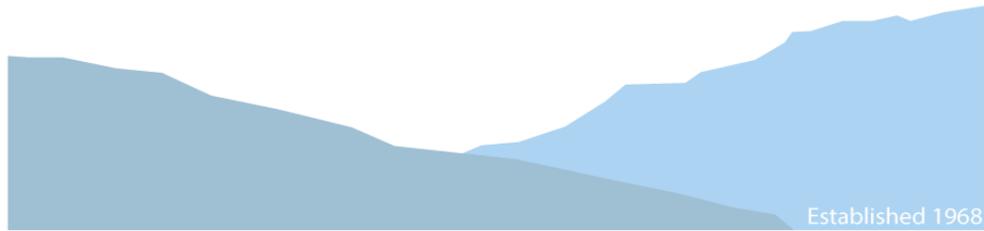


CRACKLIN' STATIC



SIERRA NEVADA Amateur Radio Society

Serving the Amateur Radio Community since April 16, 1968

<http://www.snars.org>

RENO, NEVADA

DECEMBER, 2013

PRESIDENT'S VOICE

It's the end of another year – Best wishes to all for the holidays and the coming year. Your club has seen many changes and improvements - we will continue to grow in membership, services and activities in the coming years.

You will find reference to the **SNARS repeater policy and repeater guidelines** in the newsletter with links to both of those documents. Please read them. The guidelines will be printed in this newsletter as well. It is our desire to keep the repeater system a fun and informative place to be and ask that everyone use judgment in how and what they say and do when on the air. We have a lot of new hams on the system and it is our responsibility to set a good example of radio procedure, proper jargon, and operating rules for them.

Don't forget the **All Hams Holiday Dinner** --- December 14, at the Squeeze-In restaurant. Get your reservations in as soon as you can – we need to give them a count so they can prepare the proper amount of food. There will be forms available at the Dec. Club meeting as well as the Monday morning Radio Pack Breakfast meetings. Any questions, contact Carl -- K5HK@arri.net

The planning for the (NVCON) **Nevada State Convention** continues. We have firmed up a price of \$85.00 for rooms at the Silverland Inn in Virginia City. We also have prices for the RV parking, BBQ, banquet and swap meet. The committee will continue to work on specific items that have to be put in place and ask people to help us with them.

We are developing a flyer that provides enough info to get people interested and will be updated as the planning moves forward and more specifics are known. This info sheet will be distributed across the State and among many organizations in and out of Nevada.

I would like to personally thank the members of SNARS and WAGD for the support and help you provided in getting the two clubs to merge and enable our new club to become bigger, better and to position itself to be a major factor in getting more people to become hams, to upgrade their current license status, to provide more training and educational opportunities and to help the hams of this area to work together and improve the many radio and other services we have to offer.

We have more to do, and with your help and suggestions will move forward and make 2014 a banner year for the Amateur Radio Community.

Thanks and Happy Holidays to all...
Mike, N7MSK

SNARS meeting December 7



Jack's Restaurant, 7671 South Virginia Street starting at 0730. Breakfast will be available.

The ballots from the election will be counted to determine who will serve two year terms and who will serve one year terms. There will also be a discussion on the recently amended repeater usage guidelines and policy, and special presentations to club members, including the Bob Davis Award.



CRACKLIN' STATIC PUBLICATION

E-mail..... holden7471@msm.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size or line spacing may be required in order to publish this Newsletter.

Deadline for input to the newsletter is 1500 hours on the Sunday prior to the 1st Saturday of each month.

Cracklin' Static is e-published in Adobe PDF Format. It may be enjoyed at the SNARS web site.

Amateur Radio License Testing 2013

SIERA: Silver State Charter High School, 788 Fairview Dr.....George Uebele, WW7E ww7e@arrl.net

SNARS, Third Saturday of February, April, June, August, October and December. Testing will be at the REOC located at 5195 Spectrum Blvd., Reno

.... Bill Nichols... NN7K

Elko Area: Third Saturday of January, April, July, October.

11:00AM, Northeast Nevada Regional Hospital

..... Joe Giraud, N7JEH n7jeh@arrl.net

SNARS Repeater System Frequencies

Linked System --- Reno, Carson Area

146.610 (-) PL 123.0

443.075 (+) PL 123.0

Lovelock & Black Rock area

146.925 (-) PL 123.0

Mt Rose Linked System

147.030 (+) PL 123.0 Virginia Peak

147.150 (+) PL 123.0 Mt Rose

147.210 (+) PL 100.0 Peavine Peak

444.925 (+) PL 100.0 Peavine Peak

444.875 (+) PL 100.0 Lobdelle Peak

GSR Linked System

147.300 (+) PL 123.0 Grand Sierra Resort

444.825 (+) PL 123.0 Mt Davidson

IRLP: 7873, Echolink:WA7DG/R (581256)

Rag Chew 147.390 (+) PL 100.0 (no link)

52.580 (-) PL 114.8 (no link or features)

Packet 145.050

APRS 144.390

SNARS, P.O. Box 7727, Reno, NV 89510

Membership: \$25 Individual, \$40 Family

OFFICERS 2013

Chairperson.....Mike Katz.....N7MSK

Co-Chairman.....Jim Rosina.....KD7DPW

Vice Chair.....Steve Woods.....K7SJW

Co-Vice Chair.....Don Siebert.....N2MOO

Treasurer.....Tony Marcin.....N7ACM

Secretary.....Peter DeBay.....KE7VSR

Co-Secretary.....Becky Harvey.....KE7CKY

Director.....Don Siebert.....N2MOO

Director.....Paul Tueller.....K7PTT

Director.....Ed Sloane.....KB7ZBN

Director.....Scott Brink.....KC7STV

Director.....Richard Nehrbass.....N7TGB

Director.....Dave Miles.....KF7EGU

Director.....Richard Foreman.....KK7SL

Director.....Pat Sheehan.....W7DED

STAFF 2013

By Laws Review Committee.....KE7HLR

Call Sign Badges.....KB7GNA

Club Public Information Officer.....KF7IAW

Control Operators.....K7JN

Cracklin' Static Editor.....WB2AWQ

Digital SYSOP.....K7JN

Elmer Coordinator.....KE7HLQ

Meeting Greeters.....AE7OX

History Archivist.....KF7KTC

SK Estate Advisors.....KB7IWT

Station Licensee for KR7ENO.....WB2AWQ

Control Operators FOR KR7ENO.....WB2AWQ

Station Licensee for W7TA.....K7JN

Control Operators for W7TA.....K7JN

Tech Committee Chair.....N7ROJ

Chief VE Examiner.....NN7K

Membership Chairman.....N2MOO

Awards Chairman.....KB7ZBN

Program Chairman.....KC7STV & KE7CKY

Web Master.....N7ACM & K2DMC

FaceBook page administrator.....KC7STV & N7AC

The Name of the Game

By Jim Shepherd, W6US

Ground

There are two types of ground that must be taken into consideration for any radio station. A high current DC ground is needed for safety from powerline faults and lightning strikes. A low impedance non-resonant ground is needed for RF safety and antenna performance. While they may be using the same connections, their effectiveness can be vastly different.

A lightning strike can be devastating to your radio equipment and even your house. This damage is preventable with a good, properly designed grounding system. Every day, mountaintop and other tower based radio systems are hit by lightning with absolutely no damage to the radios. These installations provide a better path for the high voltage and current to ground and prevent that route from being through the radio.

It starts with the antenna. Virtually all the antennas used on these sites are designed to have a DC short to ground on both legs of the feedline. Then, within a couple of feet of the antenna, the coax is secured to the tower, and the outer shield is grounded to the tower. Every 100' or so going down the tower it is also grounded and it is finally grounded when it leaves the tower. Just before the coax enters the repeater shelter, it is also grounded. At the point of entry, it is routed through a lightning arrestor, a device that will shunt the center connector to ground under high voltage, high current conditions. These are generally referred to as 'Polyphasers' after the company that makes a variety of these units (It used to be based right here in Minden, NV) The Polyphaser is connected to the single point ground bus in the shelter. The coax is then routed in grounded trays to the tops of the racks and cabinets containing the radios, and the tops of those racks are grounded back on the same route with heavy gauge wire to the single point ground which is attached to the ground system outside the building. This system is designed so the circuit into the radio is much higher impedance than the circuit directly to ground.

Now let's look at a ham station that was set up without consideration of DC grounding.... That beautiful dipole hung high in the trees has one leg that is not grounded and connected directly to the center connector of the coax. That coax runs directly to the back of the radio without any grounding. A piece of 14 gauge wire has

been attached to the screw on the back of the radio and about 33' later, it hooks to some sort of 'ground'. The radio is plugged into the wall with a 3 prong plug and an adaptor as the house only has 2 prong sockets. When lightning strikes, it will go down the center connector and the shield of the coax, the shield current will go across the back of the radio to that 14 gauge wire, and seeing a fairly high resistance to a less than optimal ground, will look for other routes of escape... In the mean time, the current going in to the radio through the center connector will turn the circuitry into a mass of smoking carbon, proceed down the ungrounded power cord and spread throughout the house looking for a good ground, spreading mayhem in its wake.

The RF ground is also important. In the previous example, that 33' of wire running to the ground is now a part of the antenna system. On 20 meters, that 'ground' wire is about a half wave. Not only will this provide a lot of RF floating around the hamshack, but it will play havoc with the real antenna pattern and efficiency. There are ways to 'detune' that ground line if your shack is located on an upper story in a building, but keeping the grounding wires as short as possible is the best cure for this problem.

The ground outside your shack is another problem unless you are living in a salt marsh. Multiple ground rods tied together with large gauge wire help, and using an Ufer ground can improve your connection to the dirt. An Ufer ground is constructed by bonding all the rebar in your foundations and attaching a large (#2 or bigger) conductor to your single point ground. Do not ground to your utility pipes.

For those who are using verticals, a good radial ground system will improve your signal. The best results seem to occur with the greatest number of wires, and the big guns will put down 64 to 128 radials. In a vehicle, the roof of your car is usually the biggest 'ground' for the antenna, so centering your antenna will provide the best results and the most consistent omnidirectional pattern. You will get major changes in your pattern if you locate the antenna at the edge of the roof which could explain why you are strong into the repeater driving to work and weak when you are driving home.

Paying attention to your ground can improve your signal and, more importantly, save your life and property.



HAM RADIO HOLIDAY DINNER

This year's Holiday dinner is December 14 at Squeeze Inn south. Deadline to sign up is December 9th. Full details in the Holiday Dinner attachment sent with this newsletter!

FIELD DAY 2013 – SNARS rocks!

The ARRL results are in, as seen in December QST, page 80: SNARS W7TA came in 3rd overall in the 7A category. Furthermore, according to Jim W6US, we were First in Nevada Section with almost twice the contacts that the nearest other club had. We were also a very respectable 8th in the Pacific Division and two of the groups that beat us were high power class stations. Way to go Peter KE7VSR and the SNARS Field Day team!

BUT WAIT, THERE'S MORE!

From Carl K5HK –

Radiators: Here are the field day results. Thanks to Steve/NU7T for digging out these statistics.

Reno QRP Group , W7FST

#1 QRP station in Nevada

#1 QRP , 3AB station in the Pacific Division

#2 QRP, 3AB station west of Pittsburg, PA

#6 QRP, 3AB station in all of North America

Not too shabby considering the shortage of operators this year. Congratulations to all on a job well done and a lot of fun in the process! (Editor's note, it looks like the Reno QRP Group also happens to be #2 overall in the NV section, right behind SNARS.)

72, Carl Young, K5HK

Reno QRP Group 2013 Field Day Marshall

TECH COMMITTEE CHANGE

John Byerly N7ROJ is taking over the reins of the Tech Committee, previously co-chaired by Jim Shepard W6US and Pat Sheehan W7DED.

REPEATER USAGE AND ETIQUETTE

At the Board of Directors meeting on 11/21/2013, the SNARS "System Usage Guidelines" and the SNARS "System Usage Policy" documents were approved.

Please read them both – There was no appetite to make the guidelines all inclusive and create a big list of Do's and Don'ts, but rather to ask the users to use good judgment regarding what they say and do when using the system. Remember, our system has a very large footprint with the various linked repeaters, so there are a lot of people out there listening to what goes on.

Let's keep the SNARS system fun, functional and use it in accordance with the best practices of amateur radio operating procedure.

Mike – N7MSK

Sierra Nevada Amateur Radio Society, Inc

System Usage Guidelines

The System

The SNARS communications system consists of all club operated repeaters with some linked, some remote bases, and VoIP systems. The current list of repeaters and related communications systems is available on the club website. Many systems are linked to other systems to provide wide coverage.

General Guidelines

SNARS systems are open for all legal amateur radio traffic regardless of club affiliation or membership status.

Everyone is welcomed to join in on conversations on the SNARS systems.

- Kerchunking is an unidentified communication and is not welcome on the SNARS system. If you need to test your radio or the system availability, please key up and identify with your callsign as this is the preferred method and complies with the Part 97 FCC Rules and Regulations.
- Politics and Religions Please refrain from talking excessively about politics or religion on the systems. Remember there are others listening and may like to join in the conversation and might have a different view. Please be courteous and respectful to the thoughts of others.
- When communicating with others on the systems please pause in between the conversation to allow others to join in or to break in with priority traffic.
- Remember both hams and non-hams are listening to your conversation via amateur radio equipment, scanners and online internet audio feeds. Never assume no one is listening to what you are saying.
- Never give out control codes over the air and to non SNARS members! If codes do get mentioned please change the conversation without mentioning what just happened. Codes given out over the air just increase chances for jammers to cause problems.
- Follow all FCC Rules and Regulations.
- No inappropriate language or distasteful behavior is permitted on any of the SNARS systems. Please be courteous and respectful to others.
- Avoid quick keying. Please allow at least a full second or two before you speak after keying your transmitter. This will allow for all of the systems to link up and allow for your voice to be fully heard.
- Always give your callsign before transmitting any DTMF tones or accessing system features. Providing your call sign signifies to others listening that you are a legitimate user controlling the system.
- Pause and listen after tuning to the SNARS system or turning on your radio, before you key up. This avoids accidentally interrupting or double keying if a conversation is in progress.
- Respect the control operators on the system as they are volunteers who monitor and help provide assistance to other operators on the system along with ensuring the system is being used properly.
- Have fun! Enjoy the many systems SNARS offers to the amateur radio community.

Last revised – 11/12/2013

Editor's note: This guide, and the SNARS Repeater System Usage Policy are both available on the SNARS website:

<http://snars.org/data/uploads/documents/systemusageguidelines.pdf>

<http://snars.org/data/uploads/documents/systemusagepolicy.pdf>

A LITTLE MORE ON REPEATER USAGE AND ETIQUETTE.....

Following up the above, two missives were submitted regarding our repeater use:

THE REPEATER "PARTY LINE!"

Many don't remember the old phone system that consisted of a crank that signaled so many bells or rings for your telephone connection. (Old movies on TV sometimes shows this) Three long rings and short maybe farmer Jones number. When the rings came in everyone on the line which could be numerous users would pick up and listen to latest news and gossip.

Growing up and visiting my Grandparents in South Dakota on their farm this phone was a thing of wonder! But watch

out during an electrical storm the bell would ring on a close electrical hit. You could get shocked or worse. Well, the repeaters are like a party line and everyone is listening in! Want to gossip? It's a good way of getting everyone's attention.

Here in Reno SNARS has a really wide-coverage repeater that's heard all over Northern California and Nevada. I'm talking about the 147.150 Mt. Rose, 147.210 Peavine Mt, 147.03 Virginia Peak and many other UHF linked systems.

This system can be a life saver. During severe weather the Reno National Weather Service with Dee KA7LOZ and other hams takes the reins and uses the repeater system. The weather service depends on hams to get vital information out to the public. This is a tremendous public service to all! The weather service radar doesn't cover everything! Areas such as valleys, streets locations, remote locations depend on hams/Weather Spotters.

Weather, road conditions, advisories, snow and rain conditions, auto accidents are also relayed in to authorities.

Many times the SNARS repeater system, due to it's wide-coverage is used for emergency road conditions. That includes: ARES, RACES, COMMUNITY EVENTS and other services.

The bottom line is try not to tie the system up for extensive amounts of time.

The SNARS repeater owners have every right to tell hams how to use their system.

The repeater systems are on a shared basis.

Suggestion is: Use simplex whenever possible and low level repeaters. Most repeaters are under used in our area.

Check out Common Simplex frequencies and ideas at:

<http://www.hamuniverse.com/simplexoperating.html>

Out of the area calls? Suggestion: Yes, have your QSO, but don't tie the repeater up a long time.

Here is just a partial list of repeater Websites for our area:

<http://snars.org/repeaters/>

<http://www.arrrl-nevada.org/northern-and-eastern-nevada-repeaters.html>

<http://www.cvrc.net/directory.html>

<http://www.carcon.org/>

Thanks for reading.

73, Gary Grant K7VY

Assistant ARRL Nevada Section SM

Reno, NV

And from our Prez:

There has been discussion regarding the issue of the length of time a discussion between two or more persons should take place on the SNARS repeaters. There are no specific times indicated, just a request to use good judgment. We are not trying to discourage use of the system by anyone, just that it needs to be used more effectively.

For the hams using the 147.030, 147.150, and the 147.210 please realize that they are all linked with each other as well as the 443.075. This system has a huge footprint covering a large area in Nevada and parts of California.

The SNARS repeater system consists of a number of other repeaters that get little use. Lists of all the repeaters with the PL's are available in print at the club meetings, listed on the SNARS website, and listed in a number of other locations. You may need to experiment a little to see which repeaters work for you given your specific location.

All we are asking is that you take conversations that are going to go on for more than 10-15 minutes to another repeater or use a simplex frequency.

With winter arriving, the 147.150 will get a lot of use from travelers seeking weather info going over the hill. It will get traffic reporting, accidents, etc.

In addition to the above the system is used by many 4X4 people and hikers in remote areas for communication between their group and for use in case of emergency.

Remember ---- Emergency or priority declared traffic takes precedence over any other use of the frequency.

Mike, N7MSK

NEVADA SECTION HAS A NEW WEBSITE

Recently, Nevada Section leaders asked John Bigley-N7UR to create a new web-site for ARRL activities in the Silver State.

The new site went on-line a couple of weeks ago. Content and additional features are continuing to be added.

The Nevada Section is receiving this website at no cost. Production services, annual Domain Registry fees, and monthly hosting fees are being paid by Bigley

To date more than 2,500 people have visited the site: www.arrl-nevada.org

Editor's note: Besides this website, John also hosts www.nevadahamradio.com. Both are terrific sites, and should be added to your list of resources for all things Ham-radio related for Nevada.

THE NEW HAMS & INFORMATION NET

The New Hams Q&A Net on 146.610. The net is held weekly at 1300, every Sunday afternoon.

The purpose of this net is a Q&A and information net for newly licensed hams and all hams wishing to ask question about different aspects of Ham Radio. It will give new hams in particular a venue for getting on the air in a controlled net moderated by a ham with more experience. The net will be open to any interested ham. Questions will be answered and discussed by the more experienced hams listening on the Net.

For those in the North Valleys who may be out of the range of the 146.610 try using the 443.075 (+/123). It works from Lemmon Valley.

Weekly nets on the WADG/SNARS repeater systems

Western Nevada Noon net (daily, 12:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0,
444.875 + 100.0

The Morning Net (Monday – Friday at 10:00 AM)

147.300 + 123.0

Bishops Storehouse Net (Monday nights at 9:15 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0,
444.875 + 100.0

North Western Nevada ARES Net (Tuesday nights at 7:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0,
444.875 + 100.0

State SATERN Net (Tuesday nights at 8:00 PM)

147.300 + 123.0

State SKYWARN Net (Wednesday nights at 7:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0,
444.875 + 100.0

**Northern Nevada Preppers Group Net (Wednesday
nights at 8:00 PM)**

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0,
444.875 + 100.0

State ARES Net (Thursday nights at 7:00 PM)

147.300 + 123.0

SNARS New Ham Net (Sunday afternoons at 1:00 PM)

146.610 - 123.0, 443.075 + 123.0, 146.925 - 123.0



NAME THAT RIG



(See pg 7 for the answer)

ARES NEWS DECEMBER

SKYWARN™ Recognition Day Operating Instructions

1. Object For all amateur stations to exchange QSO information with as many National Weather Service Stations as possible on 80, 40, 20, 15, 10, 6, and 2 meter bands plus the 70 centimeter band. Contacts via repeaters are permitted. SKYWARN™ Recognition Day serves to celebrate the contributions to public safety made by amateur radio operators during threatening weather.

2. Date NWS stations will operate December 7, 2013, from 0000 - 2400 UTC.

3. Exchange: Call sign, signal report, QTH, and a one or two word description of the weather occurring at your site ("sunny", "partly cloudy", "windy", etc.).

4. Modes: NWS stations will work various modes including SSB, FM, AM, RTTY, CW, and PSK31. While working digital modes, special event stations will append "NWS" to their call sign (e.g., NOA/NWS).

5. Station Control Operator: It is suggested that during SRD operations a non-NWS volunteer should serve as a control operator for your station.

6. Event and QSL Information: The National Weather Service will provide event information via the internet. Event certificates will likely be electronic and printable this year. Stay Tuned!

Contact me or Dee Arnold KA7LOZ if you want to participate.

ALSO: Chris Smallcomb KD5KPZ from NWS will be holding a Skywarn Training at 0900 in the REOC 73

Bob WA6MTY

SNARS SHACK OF THE MONTH

This good looking setup belongs to **Rob NB6C**, and consists of a Kenwood TS-440SAT, (a good rig, one of the best from the mid 80's), Icom 706, Icom-7000 and a HP 8924C CDMA Mobile Test Station. Microphone headset is a Heil Pro Set Elite 6. The HF antenna is a Hustler 6BTV multiband trap vertical, VHF is a mag-mount job sitting on a refrigerator.



Want to have YOUR shack pictured here? Send me some photos and a list of what you run...//Howie
Holden7471@msn.com

The SNARS Ladies

We had 11 ladies for our November luncheon at the Western Village. Everyone had a good time and we are looking forward to our next meeting. For December, the ladies will be meeting at the Hobey's Casino in Sun Valley at the usual time of 11:30 am on Wed., Dec 11th. However, there is no guest speaker scheduled right now. I may have someone lined up before that date, I hope.

Name That Rig – Yeah, I know, these aren't "radios" but with Straight Key Night (no keyers, paddles, or keyboards allowed!) coming up Jan 1 2014, I couldn't resist! On the left is a McElroy "Mac-Key" semi-automatic, or bug, vintage 1937, made for the US Navy. On the right, a Navy 2KW spark key, made between 1906 to 1916, by the Signal Electric Co, Menominee, MI. Two of my favorite keys. For more info on SKN, visit: <http://www.arrl.org/straight-key-night>

* * * * *

SNARS NEW HAMS WORKSHOP

New to the hobby? Just got your license? Want to know what it's really all about? The New Hams Workshop is the place to go! Features: Tips on Getting on the Air Radio Programming Ask the Elmers Meet other New Hams Radio Demos Getting Involved and much more...

December 4th, 2013, and it's FREE! Full details here:

<http://www.eventzilla.net/web/event?EventID=2139003193>

* * * * *

BOARD OF DIRECTORS MEETING

REOC, Thursday, November 21, 2013

A. Call to Order (N7MSK)

Time: 1830L

1. Board Members Present:

SNARS: N7MSK, K7SJW, KE7VSR, N7ACM, N2MOO

2. Guests Present: KD7DPW, KC7STV, KF7EGU

B. Adoption of Agenda

1. Additions or Deletions. none
2. Vote to adopt: By: K7SJW Second: KF7EGU Motion Carried:

C. Reports

1. Chair: (N7MSK) – directed to other reports.
2. Vice Chair: (K7SJW) – none.
3. Secretary: (KE7VSR):
 - a. Current membership – 202
 - b. 2014 BOD election status – 92 ballots returned to date out of 184 mailed out.
 - c. Other business – The certified letter to Kevin Deane, KF7MYK, was returned unclaimed and no forwarding address.
4. Treasurer: (N7ACM):
 - a. Bank Balances:

i. Checking	\$5135.11
ii. Savings	\$3235.23
iii. WADG	\$3806.88
iv. Paypal	\$331.11
v. TOTAL	\$12,508.33

D. Committee Reports

1. W7TA, K7JN: none
 - a. Chris – KN0CW/AF7CE:

It was agreed that Chris has the right to appear before the Board to appeal his suspension, but has opted not to do so to date; therefore the initial suspension will hold until 5 June 2014 (one year from the letter sent to him). He will be encouraged to join the club and acknowledge the repeater policy & guidelines.

Moved: KD7DPW Seconded: KF7EGU motion carried

- b. SNARS repeater policy – A link to the approved policy to be included in the club news letter. Motion to approve the policy and publish the link.
Moved: KE7VSR Seconded: KD7DPW motion carried
 - c. SNARS repeater policy guidelines (for control operators) – The policy and a link to the guidelines to be published in the news letter.
Moved: K7SJV Seconded: N7ACM motion carried
2. Tech Committee: The minutes of the tech committee were sent to the board members. No action is needed.
 3. Website & Facebook Page: N7ACM: Tony still needs help in keeping up the sites; Jim, KD7DPW, volunteered to assist but needs to be added to the access list. Tony completed that action during the discussion. Completed.
 4. Awards Committee: KB7ZBN: The plaque has been ordered and the certificate of appreciation has been prepared; both to be presented at the Dec 2013 meeting.
 5. Nevada State Convention Committee: N7MSK: The committee meets once per month, somewhere around the first Tuesday of the month. The committee submitted a report to the board. In short the main challenge (booking the facility & getting a reasonable rate at the hotel) have been accomplished. The list of volunteers for specific functions is growing and more need to be approached. The committee now looks to fill in the lecturers/topics and other small details.
 6. Haberdashery: that they need 3 more orders to make the required minimum (12) to go forward.

E. Other Business:

Control Operators schedule? It is difficult to get operators committed to a time frame especially during the 2400 to 0500 time frame. One option is to turn off the repeaters during that time frame but all agreed that this was NOT a desirable option.

With the new control operators there may be some NEW control codes.

There is a review of who needs keys/access to repeater sites, new keys may be in order.

The WADG snowmobile was impounded but is not worth retrieving, considering the cost of maintenance, liability insurance & needed repairs.

The Education fund is looking into distinctive shirts for the instructional staff, slightly different but still promotes the club.

F. Motion to Adjourn: By: KD7DPW Second: N7ACM Motion Carried:

Meeting adjourned. Time: 1939L