

RAINBOW CANYONS AMATEUR RADIO CLUB NEWSLETTER

CEDAR CITY, UTAH



Club Websites: www.rcarc.info OR www.rainbowcanyons.com

Number 1 – Volume 4 – May, 2019

Club Meeting Information

The RCARC meets at 7:00 p.m. on the 2nd Tuesday of each month at the Cedar City Senior Center, 489 E. 200 South.

2019 Club Officer's

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Presidents Message



Greetings fellow HAMs!

It has been a busy month with the weather changing and the outdoors looking more and more inviting! I would like to thank everyone who makes our meetings great by asking questions, providing food and drinks, and by agreeing to lead a presentation or discussion. Our last meeting was a bit different but it was very informative and I hope it will inspire you all to get out and put an antenna in a tree and make some new contacts! I am working on a couple of portable antenna projects and once school is out, I hope to make some QRP contacts. Next month (May) we have two planned events the first is an Elmer night on May 9th bring your radio equipment to show off and if you need help with programming your radio, I am sure we can help! Second, we have our monthly meeting (May 14th) where we will learn about the remote control of stations from Ken KR7KR.

On the fund-raising front we have raised a couple hundred dollars and I think everyone looks great in their new callsign/name badges, hats and Polo shirts!

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RCARC Club Nets:

7:00 a.m. Breakfast Net - Monday – Saturday – 146.760.

12:30 p.m. Daily – Utah Beehive Net On 7.272.

7:30 p.m. Tuesday's - ORCA Digital Net. Using FLDIGI, FLMSG AND FLAMP – 3.581 +, 1500/MFSK32.

8:00 p.m. Wednesday – Panguitch Net – 147.160.

8: p.m. Saturdays – SSTV – 449.925.

9:00 p.m. Daily – Friendship Net – 146.760.

Local Repeaters:

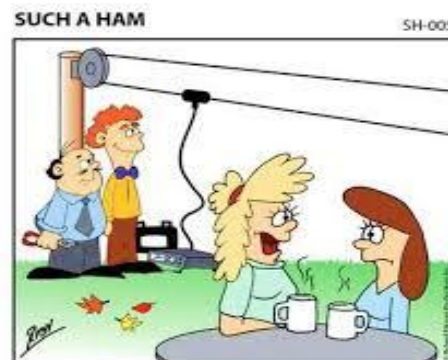
146.980 MHz – Tone 100.0 hz
146.940 MHz – Tone 100.0 hz
146.760 MHz – Tone 123.0 hz
147.160 MHz + Tone 100.0 hz.
448.800 MHz – Tone 100.0 hz

Remote Bases:

449.500 MHz – Tone 100.0 hz
449.925 MHz – Tone 100.0 hz

ILRP/Echolink

449.900 MHz – Tone 100.0 hz



Stan & Cliff have been working all day on installing my clothesline, Mary.

Save The Date

May 2019 RCARC Club Meeting Ham Radio Presentation

Presentation on
how to set up a type of remote-control
radio

By Ken Richter KR7KR

See: [Page 1](#) for club meeting
information.

Dayton Hamvention

2019 ARRL National Convention
May 17-19, 2019

For additional information see:
www.hamvention.org

ARRL Field Day

2019 ARRL Field Day Activities
June 22 and 23, 2019

Tentative Location – 3 Peaks
Additional information to follow

Looking Ahead

June - RCARC Meeting Presentation will
be Field Day Protocols.

July - Fox Hunt – More information to
follow.

August – Fire Road Race. More
information to follow.

Tuesday, August 13, 2019 - RCARC
Barbeque. Location TBD.

September – Half Marathon. More
information to follow.

President's Message continued from page 1

Field Day will be upon us soon.
Start making plans for the
weekend of June 22nd. We will
hopefully have our new hams and
potential hams out with us so that
they can get a taste of DXing!

I hope everyone has been getting
out on the radio. We have many
fine nets in the area as well as
opportunities to participate on HF
contests so get out there, have
fun, and play on your radio. If you
need help with setting up your
radio, software or other equipment
please ask your fellow HAMS for
help. Part of the fun is helping
others! Remember you can
always pick up the mic and see
who is listening!
Cheers!

Fred (KI7TPD)

RCARC Club Breakfast

Come join us the first Saturday of every
month at 9:00 a.m. for breakfast at the
Pastry Pub located at 86 W. Center
Street, Cedar City. Check out their
website at:

www.cedarcitypastrypub.com



Share in the
excitement
and
importance of
ham radio -
from tossing
an antenna
wire into a
tree allowing
you to talk to
the world, to
the importance

of ham radio operators in time of disasters with hosts
Bob Heil, Gordon West, George Thomas, Don
Wilbanks, Valerie Hotzfeld, Amanda Alden, and
Dale Puckett.

Access through the following URL:

<https://twit.tv/shows/ham-nation>

Records live every Wednesday at 9:00pm Eastern /
6:00pm Pacific / 7:00 pm Mountain/ 01:00
(Thu) UTC.

Reminder

If you are interested in joining the Utah
VHF Society please contact Don
Blanchard (W7GTU). He still has
some of the 2019 Hand Books
available.

Are You Ready to Provide Emergency Communications in a Disaster?

As an Amateur Radio operator who wants to serve in time of disaster, you have several challenges to overcome, but there are many resources available to you to help you overcome the challenges. The challenges include gaining and maintaining:

- operating techniques that are effective, efficient, courteous, and compliant with the federal regulations that govern Amateur Radio,
- proficiency in composing and routing both formal and tactical message traffic, and
- proficiency in using your radio equipment under field conditions.

Some radio operators are under the impression that the federal regulations that govern Amateur Radio are suspended during emergencies or disasters. You may hear them say something like "In an emergency, anything goes." This is **not true**. In emergency and disaster situations, certain provisions of the regulations go into effect, and certain prohibitions are suspended, but the remaining provisions remain fully in effect.

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Do It Yourself (DIY)

DIY wire winders for the 25-foot counterpoise. Made from 1/2-inch cpvc pipe. Look pretty easy to make. Have fun.



A couple of Home Depot plastic pail (5 gallon) covers and 4 one-half inch PVC couplings and some glue makes for large diameter antenna wire coils!



I used regular pvc pipe glue but it doesn't make a super tight bond so I ran #8-32 x 2 1/2-inch stove bolts and washers through the PVC couplings and lid for strength.



You should be able to load a lot of wire on them. In the bottom photo, approximately 25 feet of loose #16 wire can be rolled on each coil.

Project created by KL7JR

Some Tech Humor Abbott and Costello Real Hams

You have to be old enough to remember Abbott and Costello, and too old to Really understand computers, to fully appreciate this. For those of us who sometimes get flustered by our computers, please read on.

If Bud Abbot and Lou Costello were alive today, their famous sketch "Who's on First?" Might have turned out something like this:

COSTELLO CALLS TO BUY A COMPUTER FROM ABBOTT:

Super Duper computer store. Can I help you?

COSTELLO: Thanks, I'm setting up an office in my den and I'm thinking about buying a computer.

ABBOTT: Mac?

COSTELLO: No, the names Lou.

ABBOTT: Your computer?

COSTELLO: I don't own a computer. I want to buy one.

ABBOTT: Mac?

COSTELLO: I told you, my names Lou.

ABBOTT: What about Windows?

COSTELLO: Why? Will it get stuffy in here?

ABBOTT: Do you want a computer with Windows?

COSTELLO: I don't know. What will I see when I look at the windows?

ABBOTT: Wallpaper.

COSTELLO: Never mind the windows. I need a computer and software.

ABBOTT: Software for Window's

COSTELLO: No. On the computer! I need something I can use to write proposals, track expenses and run my business. What do you have?

ABBOTT: Office.

COSTELLO: Yeah, for my office. Can you recommend anything.

ABBOTT: I just did.

COSTELLO: You just did what?

ABBOTT: Recommended something.

COSTELLO: You recommended something?

ABBOTT: Yes.

COSTELLO: For my office?

ABBOTT: Yes.

COSTELLO: Yes, for my office!

ABBOTT: I recommend Office with Windows.

COSTELLO: I already have an office with windows! OK, let's just say I'm sitting at my computer and I want to type a proposal. What do I need?

ABBOTT: Word.

COSTELLO: What word?

ABBOTT: Word in Office.

COSTELLO: The only word in office is office.

ABBOTT: The Word in Office for Windows.

COSTELLO: Which word in office for windows?

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RCARC Members enjoying breakfast at the Pastry Pub in early April.



On April 4, 2019 the RCARC latest Technician Class students were administered the Technician Class exam. Out of those who tested three went on to take the General exam. Welcome to the Amateur Radio World.

KJ7FNX - Darce Prince – General
 KJ7FNY - Dee Marsh – General
 KJ7FNS - Lori March – General
 KJ7FNT - Jane Hawkes – Technician
 KJ7FNU - Tyler Mudge – Technician
 KJ7FNV - Rene Andrews – Technician
 KJ7FNW - Joshua Eisenach – Technician

Again, congratulations to you all.

RCARC Elmer Night

Save the date:

May 9th at 6:00 pm. will be the next RCARC Elmer night. The topic will be Programming Radios. Come learn how to program your radio. Club members will be available to show you how, assist with any questions you may have.

Location: Cedar City Senior Center, 489 E. 200 South.

Abbott and Costello - Real Hams continued from page 3

ABBOTT: The word you get when you click the blue “W”.

COSTELLO: I’m going to click your blue “w” if you don’t start with some straight answers. What about financial bookkeeping? You have anything I can track my money with?

ABBOTT: Money.

COSTELLO: That’s right. What do you have?

ABBOTT: Money.

COSTELLO: I need money to track my money?

ABBOTT: It comes bundled with your computer.

COSTELLO: What’s bundled with my computer?

ABBOTT: Money.

COSTELLO: Money comes with my computer?

ABBOTT: Yes. No extra charge.

COSTELLO: I get a bundle of money with my computer? How much?

ABBOTT: One Copy.

COSTELLO: Isn’t it illegal to copy money?

ABBOTT: Microsoft gave us a license to copy money.

COSTELLO: They can give you a license to copy money.

ABBOTT: Why not? THEY OWN IT!

(A few days later)

ABBOTT: Super Duper computer store. Can I help you?

COSTELLO: How do I turn my computer off?

ABBOTT: Click on “START”

(Author Unknown - Click on this link or type it on the URL line to watch the original Abbott & Costello’s 1953 video recording “Who’s on First”.

<https://www.youtube.com/watch?v=kTcRRaXV-fg>



Hello everyone, let me introduce myself. My name is Buzz and I’ve been recruited by your newsletter editor to reach out to the RCARC members to find out what it is you are doing with Ham Radio.

I’m a Ham fanatic as you can see from my eyes and I just can’t get enough. Please let me know what you are doing. Do you check in on nets? What types of radios do you have? What bands do you operate on? Do you participate in the Digital World? Do you build antenna’s? Are other family members Ham Radio Operators? I’ve listed a few examples.

But now I would like to hear from you. What is your story? I’d like to share it with our members in the newsletter. Include pictures if you can. Please send your story to Buzz at rcarcnewsletter@gmail.com. Hope to hear from you. 73 for now.

Disaster Comm. Cont'd from page 2

We Amateur Radio operators should, in fact, expect and prepare to govern ourselves with the utmost discipline, compliance, and courtesy during emergencies and disasters in order to achieve our mission of serving the public at those times.

For most Amateur Radio operators, conveniently-located actual disasters utilizing Amateur Radio's services are rare, so skills must be gained and maintained in other ways. Activities that will help you meet these challenges include:

- Learn from operators who have experience and good operating practices.
- Join a local Amateur Radio club and attend its meetings.
- Join the American Radio Relay League (ARRL)
- Participate in your area's Amateur Radio disaster-preparedness nets. These nets, managed by local clubs, are often held weekly on weekday evenings. Most Amateur Radio operators participate from their homes.
- Register in the Amateur Radio Emergency Service® (ARES®)
- Register in your community's Auxiliary Communications Service (ACS) or Radio Amateur Civil Emergency Service (RACES) program, if any.
- Read the monthly ARES E-Letter. It is available on the ARRL Web site, and ARRL members can have it sent to them by email.
- Study the operator's manual for your transceiver, and practice changing your transceiver's settings
- Learn how Amateur Radio operators handle both formal and tactical message traffic, and practice sending and receiving messages.
- Participate on an Amateur Radio team in support of a local event such as a walkathon, run, hike, or bike ride. Working at these public service events is fun and a valuable service to the public, and the skills used are very similar to those used in emergency communications. You can often learn of a need for Amateur Radio operators at such events on the Web sites of local Amateur Radio clubs.

Continued next column

- Participate in the annual ARRL Field Day in late June with your club or on your own.
- Participate in the ARRL Simulated Radio group Emergency Test (SET) annually in the fall with your local Amateur Radio Group.
- Look for opportunities to gain related skills and certifications.
- Encourage and train less-experienced Amateur Radio licensees in emergency communications skills.

Additional information is available at the Federal Emergency Management Agency (FEMA) website www.fema.gov or at <http://jrabold.net/ks6m/emcomm/index.html>

Are you a Ham?

Please read below

You're a ham if you sit around trying to figure out how to work DX on your cordless phone.

You're a ham if you check a potential new car for rig and antenna mounting possibilities even *before* you take it for a test drive.

You're a ham if, whenever you visit ANYONE'S house, you look at the height and spacing of trees for dipole stringing potential.

You're a ham if, when someone asks you to spell your last name, you do it with phonetics. (Sierra Charlie Hotel Echo India November Bravo....)

You're a ham if, when you are watching a movie that shows someone operating a radio, you will loudly and indignantly proclaim the inaccuracies in the portrayal.

Now that you've read it. Are you a Ham?

Department of Defense to Transmit Interoperability Exercise Info via WWV/WWVH.

The US Department of Defense (DOD) plans to start making use of a provisional time slot on WWV and WWVH to announce upcoming HF military communication exercises and how the Amateur Radio community can become involved in them. The announcements will occur at 10 minutes past on WWV and at 50 minutes past on WWVH. WWV and WWVH transmit on 2.5, 5, 10, 15, and 20 MHz



"DOD's use of the broadcast time slot on WWV/WWVH will benefit the MARS program's mission of outreach to the Amateur Radio community," said US Army Military Auxiliary Radio System (MARS) Program Manager Paul English, WD8DBY. "The actual messages to be broadcast are coordinated by the DOD Headquarters that the MARS program supports."

The initial announcements are set for the period from April 20 - May 3, which coincides with the "Vital Connection" interoperability exercise to be held in Wisconsin. Future time slots will coincide with the Vital Connection exercise Ohio in June; DOD COMEX 19-3 in August, and the DOD COMEX 19-4 in October. Following the proof of concept this year, DOD anticipates making use of the WWV/WWVH broadcast time slot full-time, year-round.

At the outset, broadcast messages will likely be static. For future exercises, announcements could be updated throughout an exercise.

The messages will direct listeners to a specified website to provide reception reports and feedback.

The reception report will also ask the listener to submit a survey that will be shared among DOD, MARS, and WWV/WWVH personnel. English said that the survey will ask listeners questions about how often they listen to WWV/WWVH signals, how they use them, and what types of messages they would like to hear, but he notes that the survey is still under development.

"We want to provide feedback to WWV/WWVH to improve situational awareness of who is using their service and how it's being used, as well as future considerations," English said.



Get the current ARRL news weekly



Ken Mumford (K7KM) Antenna Presentation at the April RCARC Club Meeting



Ken Mumford (K7KM) standing at right side of pictures introduces his program on the various type of antennas to the RCARC Club members.

Ken introduced and demonstrated a variety of antennas. Such as end fed, dipoles, inverted l's and a magnetic loop.

Ken Mumford (K7KM and Dick Parker (K7ZI) discuss with the group a couple of portable homemade launchers to get string up into a tree or other high object. Allowing the ability to the pull the antenna wire into the tree.



Friendship & Breakfast Net Awards

Friendship Net

April 2019

First Place

KI7TPD - Fred
W6DLW - Dennis

Second Place

KI7WEX - Bonnie

Third Place

K7HDX - Ron
K7ZI - Dick
KI7WEZ - Darleen

Congratulation to all the winners of the Friendship & Breakfast Nets. Information about these nets and others can be found on page 1 of this newsletter. Come join us.

Breakfast Net

March 2019

First Place

KE6ZIM - Johnny

Second Place

KG7PBX - Linda
KI7LUI - Tom
KI7TPD - Fred

Third Place

KI7WYI - Denice

April 2019

First Place

KE6ZIM - Johnny

Second Place

KB7UMU - Sylvia
KG7PBX - Linda
KK7ZL - Ed

Third Place

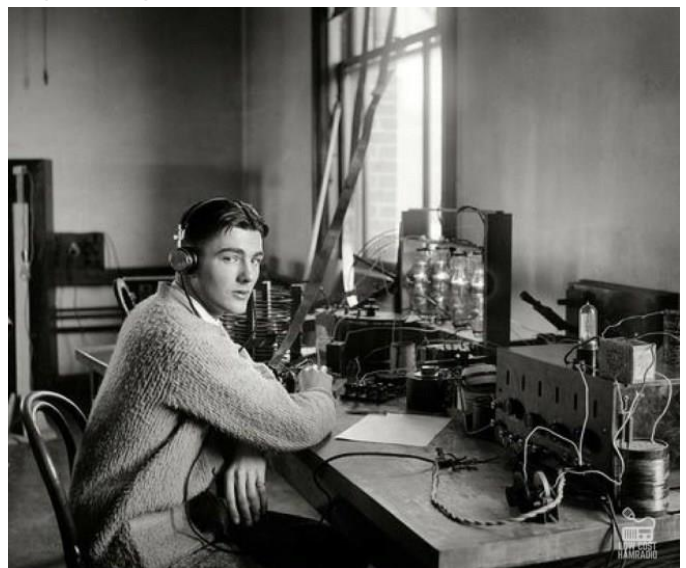
KI7TPD - Fred



From a Time Gone By



Mary Loomis was one of the few women who were radio engineers in the 1920s. She opened a school in Washington, D.C., to teach radio operation and engineering.



Portable and Camping with Radio

By George Gallis (AL7BX)

Those that attended the April club meeting heard about using your radios while camping. I'd like to expand on that a little especially for those without HF privileges.

Since the summer of 2017 there has been a Southern Utah 2 Meter Single Side Band RoundTable net on Sunday evenings that provides an opportunity for anyone with a Tech license to try out a different kind of DX.

Linda, KG7PBX, and I try to combine portable radio operation and travel and trailer camping into one such adventure, especially in the warmer months.

Reasonable gain antennas are easy enough to build, transport and setup. It takes less than 10 minutes to setup once we find a location.

This is not FM and no repeaters are used. Using SSB weak signal contacts can be made over much a longer distance than you may imagine possible. I believe that our best DX has been from Blowhard Mountain to WA7XX in Tucson AZ. That is a bit over 400 miles.

There are regularly stations on the net from Cedar City, many in Washington County, Salina and Gunnison in central Utah, Mesquite, Las Vegas NV, Bullhead City, Lake Havasu and Prescott AZ.

We have operated from various high places around Cedar City and the nearby mountains. Those are usually day trips. Places like Iron Mt, Blowhard, Brian Head, Cedar Mt, Black Ridge, the water tank above Walmart or even Linda's driveway.

But we do get out to more distant locations that involve staying overnight. We have operated from near Pioche, at Great Basin National Park and Valley of Fire State Park near Las Vegas, NV, from Rainbow Point at the end of the road in Bryce Canyon National Park, Enterprise Reservoir, Coral Pink Sand Dunes State Park and Jacob Lake.

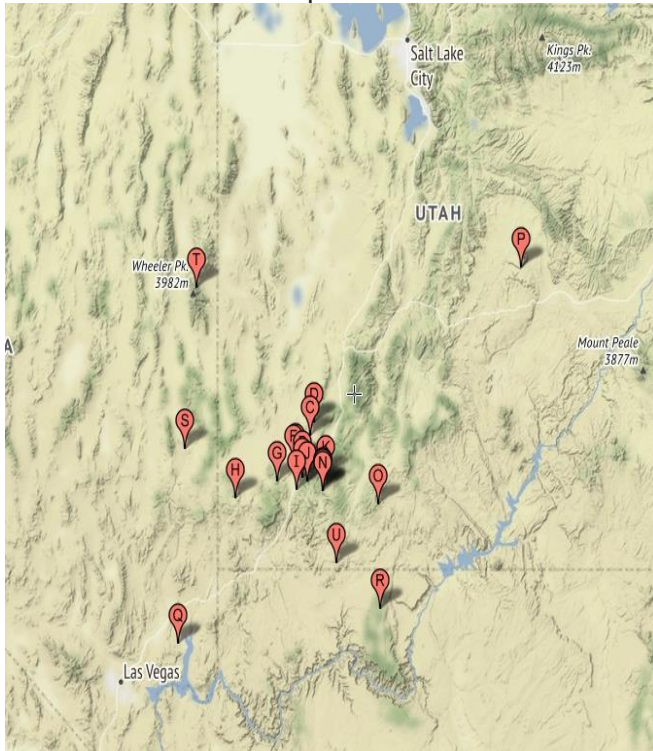
Last summer we made a trip to the other Cedar Mountain between Price and Green River, UT. From there we easily talked to KR7KR back here in Cedar.

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Portable and Camping with Radio Continued from Page 9

Here is a map of most of the places from which we have operated and a few pictures. In the future I'll describe some of the antennas we have used.

Map



Blowhard



Minersville Highway North of Gap Road



RCARC Ham Radio
Monthly Meeting
April 9, 2019

We began our meeting a little differently.

Welcome and Pledge: President Fred Govedich KI7TPD

Visitor: Pat Malan N7PAT, Union Section Manager Candidate.

Presentation: Ken Munford N7KM and Dick Parker K7ZI gave a presentation on antennae.

Dick re-purposed a Soda Bottle Rocket Launcher and has used a Flipper Crotch (Sling Shot), Fish reel, Tumbler (using an electric drill to rewind) and a Clothesline reel.

Ken used a modified Potato Cannon among other inventive gadgets.

Jack Light Pole is a telescoping rod extending up to 30 feet that can be attached to a stake and used when no trees are in sight.

Ken demonstrated how he build a “simple” Magnetic Loop.

Announcements: Ribbons earned from Friendship and Breakfast Net participation:

Friendship Net for this month:

1st Place: Fred Govedich KI7TPD

1st Place: Dennis West W6DLW

2nd Place: Bonnie Bain KI7WEX

3rd Place: Ron Shelley KI7HDX

3rd Place: Dick Parker K7ZI

3rd Place: Darlene Shelley KI7WEZ

Breakfast Net for March:

1st Place: Johnny Ellison KD6ZIM

2nd Place: Linda Shokrain KG7PBX

2nd Place: Tom Adams KI7LUI

2nd Place: Fred Govedich KI7TPD

3rd Place: Denise Sheffield KF7WIY

Breakfast Net for April:

1st Place: Johnny Ellison KE6ZIM

2nd Place: Sylvia Clements KB7UMU

2nd Place: Linda Shokrain KG7PBX

2nd Place: Ed Padgett KK7ZL

3rd Place: Fred Govedich KI7TPD

Fund Raising is going well. We've already raised close to \$100. Hats are \$15, Polo Shirt is \$30, Name Badge is \$10, T-Shirts are \$20. The artistic rendition of the Rainbow Canyon motif was sketched by Jan Munford.

We have 2 new hams joining us tonight. They took the Technician Class then took the Technician test as well as the General Test and they passed both tests. Welcome Dee and Lori Marsh.

New General Hams: Vernile (Darce V.) Prince KJ7FNX, Dee Marsh KJ7FNY, Lori Marsh KJ7FNS

New Technician Hams: Jane Hawkes KJ7FNT, Tyler Mudge KJ7FNU, Rene Andrews KJ7FNV, Joshua Eisenach KJ7FNW. Congratulations and Welcome!!!

Approval of Minutes by Secretary Tammy Nesmith KI7LVB sent in the Newsletter.

Treasurer's report: Larry Bell N7SND was not in attendance.

Repeater Update: Don Blanchard WA7GTU. Rowberry was broken, we went up yesterday to fix it but it is broken again. Intertie is down due to the ice build up. All links are working except to Eden (?). Arizona is cut off but it is working up North. Frisco to Farnsworth.

D-Star is moving from Don Blanchard's home to the hospital.

Upcoming Events: Elmer's Night will be May 9 at 6 pm at the Cedar City Senior Citizen's Center. This is a night to have your Ham Radio questions answered. Bring your radios, get them programmed, Don Blanchard will bring his Spectrum Analyzer.

May 14 is our next Monthly Ham Meeting. Ken Richter KR7KR will be talking about how to set up a remote control to your Ham radio via an I-pad Tablet.

June 11 will be our "Get Excited about Field Day" meeting.

June 22 is Field Day at Three Peaks Recreation Pavilion. Early Saturday set up, Pizza for those who helped set up, BBQ and Pot Luck Supper (coordinated by Sylvia Clements) Saturday evening, Light breakfast Sunday morning. George Gallis will bring his log-in software.

July we will have a Fox Hunt.

August will be the Fire Road Race.

Division Convention will be August 8, 9, and 10. Bob Heil spotlight speaker.

Dennis will take over the Thursday Net.

Closed meeting at 8:10pm

Attendance: Tom Adams KI7LUI, Bonnie Bain KI7WEX, Carolyn Bauer KG7YIB, Kenneth Bauer KG7YIC, Brad Biedermann WA7HHE, Bruce Bishop KI7LUM, Sherry Bishop, Don Blanchard WA7GTU, Don Carter KB7OWE, Sylvia Clements KB7UMU, Bruno DeBacker KG7VVN, Johnny Ellison KE6ZIM, George Gallis AL7BX, Fred Govedich KI7TPD, David Harris N7NKK, Wayne Holcomb KI7QZA, Gavin Hollinger KC7IHE, Brody Johnson K7VXV, Jerel Johnson KI7SDA, Terry Lee KD7TTT, Merlin Mackay N7TCE, Dee Marsh, Lori Marsh, Bruce McDonald KI7DRB, Volney Morin KI7WEW, Ken Munford N7KM, Tammy Nesmith KI7LVB, Tim Nesmith KI7LVC, Burton Nichols KI7DRA, Ed Padgett KK7ZL, Dick Parker K7ZI, Dennis Porter KA7QJN, Kevin Raines KG7HZZ, John Rice NR7T, Ken Richter KR7KR7WEN, Darlene Shelley KI7WEZ, Ronald Shelley K7HDX, Linda Shokrian KG7PBX, Bill Stenger K6QOG, Keith Eric Walker KI7WFP, Dennis West W6DLW.