

RAINBOW CANYONS AMATEUR RADIO CLUB NEWSLETTER

CEDAR CITY, UTAH



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

Number 1 – Volume 5 – June, 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

President:

Fred Govedich
KI7TPD
1-435-559-2682
fred.govedich@gmail.com

Vice President

Ron Shelley
K7HDX
1-623-261-6555
ronald.shelley@gmail.com

Secretary

Tammy Nesmith
KI7LVB
1-435-559-9292
msnezy@gmail.com

Treasurer

Larry Bell
N7SND
1-435-586-4651
larryb@infowest.com

Newsletter Editor

Dennis L. West
W6DLW
1-760-953-7935
rcarcnewsletter@gmail.com



CQ, CQ, Field Day is almost here.

Presidents Message



Greetings fellow HAMs!

It has been a busy month and I can't believe that we are almost into June! Our Elmer Night was a great success as was our last meeting. Thank you Ken KR7KR for doing your talk on remote control. Not sure what happened with the weather this month but it has felt like April for the last couple of weeks, but I hope you still get a chance to get out! 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. I would also like to thank all of our net controls for the nets and everyone who participates! Field Day is coming up fast! Our next meeting will focus on the logging software and what you do to make contacts on Field Day. Come with questions! Field Day will be upon us soon so 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!

Continued on page 2

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



—73 O.M., I REALLY MUST SIGN NOW--

Save The Date

June 2019 - RCARC Meeting
Presentation will be Field Day
Protocols. See Club Meeting
information page 1

ARRL Field Day

2019 ARRL Field Day Activities
June 22 and 23, 2019
Location – 3 Peaks
Additional information to follow

Looking Ahead

**July – 9th Direction Finding
Fox Hunt** – More information to
follow.

August – Fire Road Race.
More information to follow.

**Tuesday, August 13, 2019 -
RCARC Barbeque.** 6:00 pm. at
the Main Street Park in the Hexagon
Pavillion.

September – Half Marathon.
More information to follow.

I hope everyone has been getting out on the radio despite the weather! Even on bad days we still have our local nets as well as opportunities to participate on HF contests and 6 meters has been opening up so get out there, have fun, and play on your radio. Remember 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



National Financial Preparedness Capability Month

Greetings,

This is an important campaign that will help us prepare for ourselves and our families, neighbors and communities. Disaster is a fast way to become financially stressed or literally underwater as we all know; having some sense of control is a great resilience and recovery strategy. And in the United States that means financial security. Good luck and thank you for all that you do every day! Suz

April was National Financial Preparedness Capability Month

FEMA has developed a How-To Guide for Stakeholders to celebrate for National Financial Preparedness Capability Month and to help you and anyone you know participate in and promote financial preparedness in your communities. In addition, see the below bulletin that offers numerous opportunities to promote financial preparedness and literacy each Wednesday through April. Feel free to share these offerings with your partners and those who work with youth. When it comes to financial preparedness, it can be difficult to transition your communities from general awareness to action. Together, we can turn general financial awareness into action!

The How-To Stakeholder Guide includes:

- Campaign promotion guidance;
- Financial Preparedness Talking points;

Continued on page 3

Nat. Financial Preparedness. Continued from Page 2

- Campaign overview graphic and financial preparedness graphics;
- Sample newsletter content;
- Sample website content; and
- Sample messaging and hashtag.

The guide can be accessed on ready.gov/financial-toolkit under *Related Links*.

Personal financial planning helps individuals and families prepare for disasters both big and small. Many people have experienced the challenges of rebuilding their lives after a disaster. In these stressful circumstances, disaster savings can help individuals, families, communities, businesses and organizations bounce back quicker and start the road to recovery. Know the risks where you live, and save for the costs of these disaster risks. Here are a few tips to help you start, and strengthen, your emergency savings fund:

Prepare for the risks where you live. Personal financial planning helps families prepare for disasters both big and small.

- Create a rainy-day fund. Consider saving for disasters by setting aside money for unexpected costs including hotel stays, food, gas and insurance deductibles.

- Check your insurance coverage. Having insurance for your apartment, home or business property is the best way to be sure you will have the necessary financial resources to help you repair, rebuild or replace whatever is damaged.

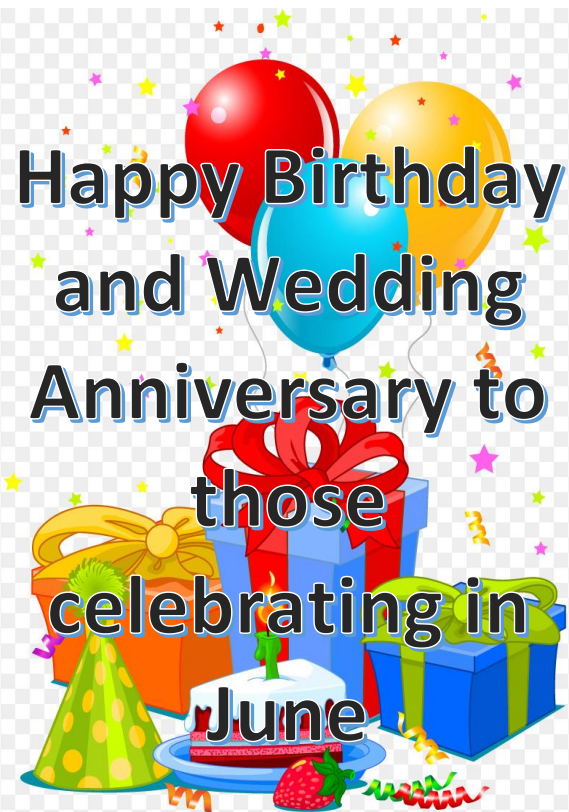
- Have all the documents and digital copies you need to protect yourself after a disaster. Use the checklists in the [Emergency Financial First Aid Kit \(EFFAK\)](#) and see if you're missing anything.

Find out more by following #Financial Future2019 on social media and visiting ready.gov and usa.gov/flec.

Suz Roam
SW Utah MRC Coordinator in Emergency Preparedness at SWUPHD.
620 South 400 East #400
St George UT 84770
435-986-2556

While April was National Financial Preparedness Capability Month this is good information anytime.
Your Newsletter Editor

RCARC members enjoying breakfast at the Pastry Pub. Members meet monthly on the first Saturday.



Ham Radio Operator buys a new ham radio, wife not pleased.

Check out this you tube video at the following URL. Place your cursor on the link and depress control + click to follow the link.

<https://www.youtube.com/watch?v=O7kirdtdl1c&feature=youtu.be>

Keep tech support strangers out of your computer

If you need tech help with your computer, where do you go? Most of us probably search online. But your online search can lead you straight to scammers who scare you into thinking your computer is in dire need of repair...and then sell you costly security software that you don't need.

That's just what happened in the FTC's lawsuit against Elite IT Partners, Inc., the lawsuit is part of a [massive law enforcement sweep](#). According to the complaint, Elite bought key words on Google that let them target people searching for how to recover lost passwords. You'd fill out an online form and give your contact information. Then, says the FTC, Elite's telemarketers would call and ask to get online access to your computer – supposedly to check for problems. Once they were in, the caller would show you fake “evidence” of viruses or other threats that, they said, had to be removed right away. Then came the sales pitches. Elite allegedly got people – many of them older adults – to pay hundreds of dollars for unnecessary repairs and maintenance programs. If you find yourself in a similar situation, here are some steps you can take:

- If you're looking for tech support, go to a company you know and trust, or get help from a knowledgeable friend or family member. If you search online for help, search on the company name plus “scam,” “review,” or “complaint.”
- If you get a phone call you didn't expect from someone who says there's a problem with your computer, hang up.
- Never call a number in a pop-up that warns you of computer problems. Real security warnings will never ask you to call a phone number.
- If you think there's a problem with your computer, update its security software and run a scan.

If you spot a tech support scam, tell the FTC: www.ftc.gov/complaint. And learn more at www.ftc.gov/techsupportscams.

Reprinted from Federal Trade Commission; Consumer Information. www.consumer.ftc.gov

Amateur Radio Code

The Radio Amateur is:

Considerate ... never knowingly operates in such a way as to lessen the pleasure of others.

Loyal ... offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

Progressive ... with knowledge abreast of science, a well-built and efficient station and operation above reproach.

Friendly ... slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

Balanced ... radio is an avocation, never interfering with duties owed to family, job, school or community.

Patriotic ... station and skills always ready for service to country and community.

The original Amateur's Code was written by Paul M Segal W9EEA, in 1928.



Hi Buzz here, I just wanted to let you know that it's not too late to order your ARRL 2019 Field Day Pin(s)

Acknowledge your involvement in ARRL Field Day with a pin. Wear it proudly! Size 1 1/4" x 7/8".

If you were not able to order your Field Day Pin(s) at last month's RCARC Meeting.

They can be ordered at <http://www.arrl.org/shop/Field-Day>

More Ham Radio Humor

A reward of 500 microfarads is offered for information leading to the arrest of this desperate criminal - Hop-A-Long Capacity

This unrectified criminal escaped from a western primary cell where he had been clamped in ions awaiting the gauss chamber.

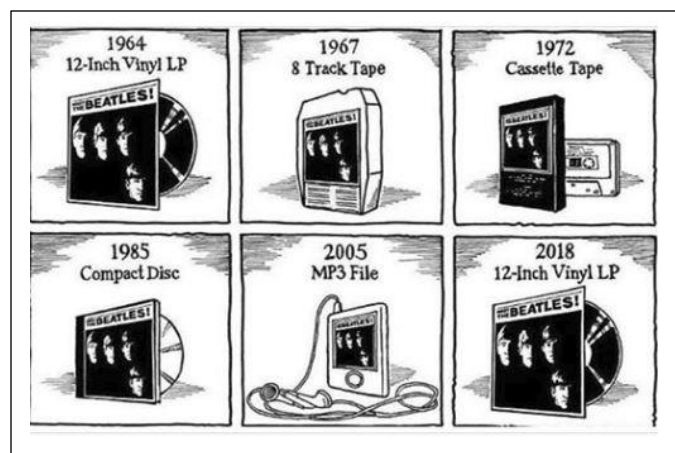
He was charged with the induction of an 18 turn coil named Millihenry who was found choked and robbed of valuable joules

He is armed with a carbon rod and is a potential killer. If encountered, he may offer series of resistance.

Capacity is also charged with driving dc motor over a Wheatstone bridge and refusing to let the band-pass

The electromotive force spent the night searching for him in a magnetic field, where he had gone to earth. They had no success and believed he had returned ohm via a short circuit

He was last seen riding a kilocycle with his friend eddy current who was playing a harmonic.



10 TIPS FOR HAM RADIO MASTERS

By H. Ward Silver

Your ham radio license is really a license to study. Take advantage of every learning opportunity, including learning from your mistakes. (You'll have plenty!) Each problem or goof is also a lesson.

Masters got to be masters by starting as raw recruits just like you and then making one improvement at a time, day in and day out. You may think that ham radio veterans surely have stores of secret knowledge that took years and years to acquire — knowledge that makes them the masters of all they survey. Certainly, the veterans have experience and expertise, but they also rely on simple principles that work in many situations. You can use these principles, too.

LISTEN TO EVERYTHING

Masters get more out of listening and monitoring than anyone else because they've learned the value of doing it. Every minute you spend listening is a minute learning and a minute closer to being a master, whether it's as a net control, a top contest operator, setting up a balloon tracker, or just giving out directions to the club meeting. Listen and learn how.

LEARN HOW IT WORKS

Operating a radio and building an efficient, effective station are much easier if you know how the equipment works. Even if you're not terribly tech-savvy, take the time to get familiar with the basics of electronics and how your equipment functions. You will be much more effective if you learn the effects of controls and their adjustments. Learn how to make simple repairs to keep your station on the air.

FOLLOW THE PROTOCOL

Use the expected terms and give information in the form and order in which it is expected. When calling another station, follow "Gift Tag Order – To/From:" Start with that station's call sign to alert that operator, then give your call once or twice as necessary. Use the recommended phonetics that others in your group prefer. In a competition, exchange your information in the same order published by the sponsor.

KEEP YOUR AXE SHARP

When asked what he would do if he had eight hours to cut down a tree, Abe Lincoln replied that he would spend the first six hours sharpening his axe.

If you have battery-powered equipment, be sure that the batteries are charged and fresh. Make sure fuel for a generator is fresh. Lay out your "go kit" from time to time so that you are sure it's all there when you need it. Test your station's basic operation from time to time on all bands and modes. Keep your equipment and skills sharp. When they're needed on the air, you'll be ready.

Continued on page 6

10 TIPS FOR HAM RADIO MASTERS

CONTINUED FROM PAGE 5.

PRACTICE TO MAKE PERFECT

Even a sharp axe gets dull if it isn't used. Get on the air regularly, keeping in touch with conditions. An experienced operator knows what stations are active, from where, and when, as well as when important nets and on-the-air events take place. Even if you know the procedures by heart, check in to your local net each week. Take advantage of contests or special events to exercise your skills and make sure your equipment is working.

Make operating your radio station a natural and comfortable activity by keeping yourself in shape with regular radio exercise.

PAY ATTENTION TO DETAIL

Masters know that the little things are what make the difference between 100 percent and 90 percent performance — or even between being on the air and off the air. The most expensive station isn't worth a nickel if it doesn't work properly when you need it. Waterproofing that connector completely or having your CQ sound just right really pays off in the long run. Masters are on the radio for the long run.

KNOW WHAT YOU DON'T KNOW

Take a tip from Mark Twain, who warned, "It's what you know for sure that just isn't so." If you get something wrong, don't be too proud to admit it. Find out the right way; track down the correct fact. People make their worst mistakes by ignoring the truth.

MAINTAIN RADIO DISCIPLINE

When you are performing public service, whether in an emergency or not, practice your radio discipline: Know and follow the rules of the operation, follow the instructions of a net control station, transmit only when authorized and necessary, use plain language, and pay attention so you are ready to respond. Strive to make your operating crisp and clear so that anyone can understand.

MAKE SMALL IMPROVEMENTS CONTINUOUSLY

Any improvement in the path between stations should not be neglected. Anything that makes your signal easier to understand — 1 dB (decibel) less noise received, 1 dB better audio quality, 1 dB stronger transmitted signal — makes the contact easier. Make your station and yourself better in small, regular steps and you'll get a lot more out of ham radio!

HELP OTHERS AND ACCEPT HELP FROM OTHERS

Sooner or later, you will encounter operators needing assistance. If they ask for help, offer your services. They may not be aware there is a problem, such as with poor audio, a distorted signal, or erratic operation. New operators may not know the right way or time to call another station. Before informing them of the problem, ask yourself how you would want to learn about a problem with your station. When describing the problem, be polite and be as clear as you can in your description.

When other operators tell you that you have a problem, don't get mad or embarrassed. Thank them for bringing the problem to your attention and make them feel good about helping you. Ask them to help you troubleshoot. Ham radio is all about helping each other, on and off the air.

Do You Keep a Log Book?

Introduction

The reasons for logging your amateur activity fall into three categories: legal, operational and personal. Legally, a log of your transmissions would be invaluable in proving your innocence in an interference complaint. Operationally, having a log of past contacts is a resource when filling out that DX QSL card that may have taken months to arrive. Personally, a log is like a personal radio history reminding you of the people and places you've talked to, the nets you participated in and contests you worked.

What's in a Log?

There are two essential types of information that every log needs. Information about your operation and information about the station you contact. For your operation record the date, frequency, mode and power output; for the contact station record their call sign, the time the contact started and ended, their signal report, name and location (QTH). When you enter the date and time, Universal Coordinated Time (UTC) or Zulu as it is commonly called, is highly recommended. Using UTC eliminates confusion over time zones or daylight-saving time, but you must remember to change the date at 0000Z, which could be anywhere from 4 PM to 7 PM local standard time for a North American station. This is an advantage of the computerized logging programs. They keep UTC date and time straight automatically. Of course, you are free to use local time as long as you indicate this clearly in the log. It is unwise to mix UTC and local times and dates together in the log; use one or the other.

Non-essential information that is worth recording is your signal report and that of the contact. You might also want to note comments about the contact's rig, antenna and quality of their CW, if pertinent. For an interesting contact, you can include notes about your conversation or a QSLing route (many DX and DX-pedition stations cannot be QSLed directly but must be QSLed through a QSL bureau or manager). It is also useful to note in the log when you send a QSL and if you receive it. A month after the contact, when you can't remember if you sent a card to that rare DX-pedition that won't happen again for 10 years, those notes alone will be worth the cost of the logbook or program.

If logging manually during a contest, it is impractical to record the start and end times for each station so these log areas can be used for contest-exchange information.

Paper or PC

The **hardcopy paper logbook** is the traditional keeper of the contacts. The format of your log can be your own personal preference. By using a common composition book with bound pages, you can add information in the order that makes sense to you. Here is a [sample log sheet format](#) you can download or you can buy the **ARRL Logbook**.

Continued on page 7

Log Book Continued from page 6

A number of **computer logging programs** are also available. Computer logs are configurable and can automatically keep track of a wide range of information. Many include tools to control modern software controllable rigs.

Rotor control is also available with some and many will automatically generate a great circle map from your location to any other point on the globe.

Time and date functions for UTC, local and daylight savings are standard but you can also find computer loggers that will display a gray line diagram for helping to plot propagation. There are also a number of logging programs available that are designed specifically to help you during contests. Some are general contesting programs that record generic points and multipliers while keeping track of the basic information. Others are designed with specific contests in mind and aim to help you maximize your score. There are even some that are general contest loggers that have plug-ins available for those contests you are interested in. Contesters almost always use computers to log. Finally, many computer logs support an export function that makes sending your log in to **Logbook of The World** (LoTW) fast and easy.

Award of Appreciation and Service



President Fred Govedich (KI7TPD) presented Russ Chaffee (N7BO) a Plaque honoring him for his dedicated service to the RCARC as the VE Liaison for the past 22 years.

Thank you Russ

Vintage Pic's of the past



RCARC Elmer's Night

On May 9th the RCARC sponsored an Elmer's night to assist all members from our newest to our most experienced in programming their radios, checking their rigs on a spectrum Analyzer, looking at some home brew equipment, as well as an ongoing presentation on APRS. A great big thank you goes out to all that shared their expertise in the various functions and discipline's that were provided to our members. **Check out the photos of the event below.**



HAM GEAR FORSALE



Kenwood TR 7950 2-meter FM 45 watts with handheld mic, Some pl tones.



Yaesu FT480R 2-meter all mode 30 watts with handheld mic.



Kenwood TK840 UHF FM – 32 channels with handheld mic.



Workman SX144/430 SWR Wattmeter, 12 VDC, 120 MHz – 500 MHz – 10-500 watts.



Kenwood TS520 HF All mode radio. MC50 Desk Mic. Digital Freq. display, Sony Speaker



B & W VS300A HF Antenna Tuner 1.8 - 39 MHz – 300 watts



Goldstar Freq. Counter 1GHz, FC 7102 60 MHz – 100 MHz – DC – 100 MHz's.



Simpson Mod 440 Communications Tester. Watts, SWR, Modulation %

HAM GEAR FOR SALE

Continued from page 11



Drake W-4 Wattmeter – scale 200 watts & 2000 watts forward & reverse.



Decibel DBA 303 B 100-watt load



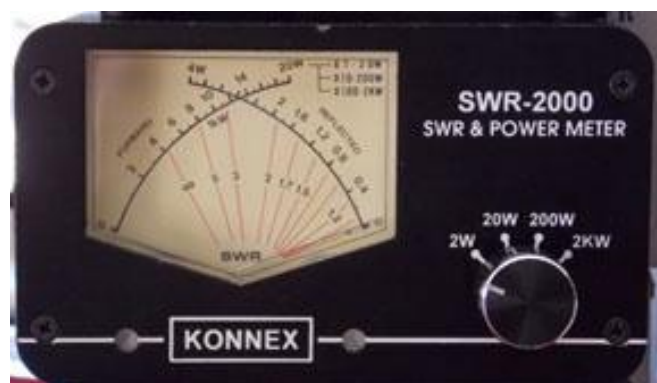
CB Antenna tuner 500 watts



Workman CB SWR/Watt Meter – 16 W, 26 MHz to 30 MHz.



Diesel CB SWR/Watt Meter 10 – 100 Watts



Konnex CB SWR/Watt Meter 2KW

This radio equipment belonged to WD0CDG Larry Heading's (SK) who passed away in 2018. Larry was a member of the RCARC and past president twice. For purchase information contact William Stenger at stengerwh@gmail.com



On May 14, 2019 Bruno M. Debacker
(KG7VVN) upgraded to General Class.
Congratulations Bruno

Friendship & Breakfast Net Awards

Breakfast Net

May 2019

First Place

KK7ZL - ED

Second Place

KB7UMU - Sylvia

KI7TPD - Fred

Third Place

KE6ZIM Johnny

KI7SDA -- Jerel

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.

Friendship Net

May 2019

First Place

KI7HDX - Ron

KI7LUM - Bruce

KI7TPD - Fred

KI7WEX - Bonnie

W6DLW - Dennis

Second Place

KI7WEZ - Darlene

Third Place

KB7UMU - Sylvia



Remote Radio Control using a Tablet



Ken Richter (KR7KR at the microphone)
presenting his Remote Radio Control using a
Tablet at last Month RCARC General Meeting.



Fred (KI7TPD) conducting business at the May
RCARC General Membership Meeting.

Agenda – RCARC Monthly Meeting May 14, 2019

1. Fred Govedich KI7TPD gave a welcome, led the Pledge and asked for reports of fun:
Dick Parker K7ZI had some 7QP fun with wire antennae
Ken Munford N7KM had his heart rate go up, he had a QRP connections with Africa!
Fred KI7TPD made some transformers based on one he borrowed at Christmastime.
Brian (?) set up his antenna. His wife let him go through the craft room window.
2. Minutes by Tammy Nesmith KI7LVB were approved.
3. Treasurer Larry Bell N7SND reported \$2729.76 in our account. We only have 2/3 membership from last year. We may have to cut back on some Ham activities.
4. There is a Membership Software available to help collect/pay membership. Will look into it.
5. Don Blanchard WA7GTU reported that all the repeaters were working except one. The antenna on Frisco Peak is working, but pointing to China (?)
6. Elmer's Night was a great success. Fred was programming new radios for the entire 1 ½ hours. We should have another one later on this year. Thank you for participating.
7. Field Day has a sign up for food going around on a clip board. Linda will provide all the paper goods, Dennis West the water, Ken will provide smoked brisket, turkey and cheese. ARRL Field Day pins are available for \$6, T-shirts for \$17.95, Hats for \$12.95, Mugs for \$10, patches and Bumper Stickers also available.
8. Linda Shokrain KG7PBX has patches available for \$6.
9. Participation Ribbons were awarded.
10. Upcoming Events:
 - June 1 Ham Club Breakfast at the Pastry Pub.
 - June 11 Presentation will be talking about the upcoming Field Day. George AL7BX will go over the Log In Protocol.
 - July 6 Ham Club Breakfast at the Pastry Pub.
 - July 9 Presentation will be on Direction Finding. Possible Fox Hunt to follow.
 - August: Fire Road Race
 - August 13: Ham Club BBQ at 6:00 pm at the Main Street Hexagon Pavilion.
 - September: Half Marathon
11. Here's list of equipment for sale by Dan Farwell, W8EQA:
Kenwood TL-922A 10-meter mod, fresh finals exceptional condition with manual \$500
Ten-Tec Orion I Model 565 with auto tuner includes Heil Gold line boom mike -excellent condition with manual. \$600
Icon IC-R70 General coverage receiver very nice condition \$150
Tucker Electronics T-3000 Roller Inductor Tuner (w/LED output meter) \$150
National NC-98 original (nice) and RME-70 receivers - Free to good home
If you're interested, contact:
Dan Farwell W8EQA
226 South 200 West
Paragonah, Ut 84760
w8eqa@centurylink.net
435-418-0804 (Msg)
Ken Richter KR7KR spoke about setting up a remote radio control on a tablet.
Next month Tom Adams KI7LUI will bring water, Kevin Raines KG7HZZ will bring treats.

Attendance Adams KI7LUI, Bonnie Bain KI7WEX, Carolyn Bauer KG7YIB, Kenneth Bauer KG7YIC, Larry Bell N7SND, Brad Biedermann WA7HHE, Don Blanchard WA7GTU, Sylvia Clements KB7UMU, Larry Coles KI7DRE, Bruno DeBacker KG7VVN, Johnny Ellison KE6ZIM, George Gallis AL7BX, Fred Govedich KI7TPD, David Harris N7NKK, Wayne Holcomb KI7QZA, Jerel Johnson KI7SDA, Merlin Mackay N7TCE, Ken Munford N7KM, Tammy Nesmith KI7LVB, Tim Nesmith KI7LVC, Burton Nichols KI7DRA, Ed Padgett KK7ZL, Dick Parker K7ZI, Vernile Prince K7DVP, Kevin Raines KG7HZZ, Ken Richter KR7KR, Denice Sheffield KF7WIY, Fred Sheffield KF7GPZ, Darlene Shelley KI7WEZ, Ronald Shelley K7HDX, Linda.

Late Entry to the Newsletter

ARLB016 Springtime Section Manager Election Results Announced

In the only contested Section Manager election this spring, ARRL members in Utah have re-elected Mel Parkes, NM7P, as Section Manager for a new 2-year term of office that starts on July 1. Parkes, of Layton, received 481 votes; his opponent, Pat Malan, N7PAT, of South Jordan, received 233 votes. Parkes has served as Section Manager since 1999. Ballots were counted and verified at ARRL Headquarters on May 21.