

The *Microvolt*

June, 2016



Prologue

Publication: *The Microvolt* (USPS 075-430) is the official publication of the Utah Amateur Radio Club, Incorporated, 699 E. South Temple Ste 100, Salt Lake City, UT 84102-1282. It is published monthly except August. Subscription is included with club membership at \$20 per year. Single copy price is \$1.50. Periodicals postage paid at Salt Lake City, Utah. Postmaster: send address corrections to *The Microvolt*, c/o Dick Keddington, 5474 Hews Place, Taylorsville, UT, 84129-1416.

Deadline for submissions is the 24th of each month prior to publication. Submissions by email are preferred (k7hfv@arrl.net), but other means including diskettes and typewritten submissions can be mailed directly to: Gordon Smith, 632 University St., Salt Lake City, UT 84102-3213. Reprints are allowed with proper credits to *The Microvolt*, UARC, and authors. Changes in mailing address should be communicated to the Club Secretary: Dick Keddington, 5474 Hews Place, Taylorsville, UT, 84129-1416.

Club: The Utah Amateur Radio Club was organized under its present name in 1927, although its beginnings may date back as early as 1909. In 1928, it became affiliated with the American Radio Relay League (club #1602) and is a non-profit organization under the laws of Utah. It holds a club station license with the call W7SP, a memorial call for Leonard (Zim) Zimmerman, an amateur radio pioneer in the Salt Lake City area.

Meetings: The club meets each month except July and August. The meetings are held on the second Thursday of the month at 7:30 PM in the University of Utah's Warnock Engineering Building, generally in room 1230 or 2230, sometimes in 2250 or 105.

Membership: Club membership is open to anyone interested in amateur radio; a current license is not required. Dues are \$20 per year, including a *Microvolt* subscription. *The Microvolt* and membership cannot be separated. Those living at the same address as a member who has paid \$20 may obtain a membership without a *Microvolt* subscription for \$12. Send dues to the Club Secretary: Dick Keddington, KD7TDZ, 5474 Hews Place, Taylorsville, UT 84129-1416.

Contributions: Monetary contributions are gladly accepted. Send directly to the Club Treasurer: Chuck Johnson, 1612 W. 4915 S. Taylorsville, UT 84123-4244. For in-kind contributions, please contact any board member to make appropriate arrangements.

Repeaters: UARC maintains the 146.62- and 146.76- repeaters. The repeaters are administered by the UARC Repeater Committee. Comments and questions may be directed to any Committee member. The Lake Mountain repeater (146.76-) is IRLP node 3352. Instructions for IRLP use are on the club website.

Ham Hot-Line: The Utah Amateur Radio Club (UARC) has a Ham Hotline, 583-3002. Information regarding Amateur Radio can be obtained, including club, testing, meeting, and membership information. If no one answers leave your name, telephone number and a short message on the answering machine, and your call will be returned.

UARC 2016 Board

President: Clint Turner, KA7OEI	801 566-4497
Executive VP: Lonnie Oaks, K7LO	801 255-1225
Vice Pres: Bruce Fereday, KF7OZK	801 883-9428
Secretary: Dick Keddington, KD7TDZ	801 274-9638
Treasurer: Chuck Johnson, WA7JOS	801 268-0153
<i>Microvolt</i> Editor: Gordon Smith, K7HFV	801 582-2438
Asst. <i>Microvolt</i> Editor: Rick Asper, AC7RA	801 865-1693
Program Chairperson: Morris Farmer, AD7SR	801 278-4966
Program Chairperson: Chuck DeWitt, W7DTO	435 882-9002
Imm. Past Pres: Linda Reeder, N7HVF	801 364-7006

Committee Chairpersons and Members

"Book Lady": Brett Sutherland, N7KG	801 298-5399
Historian: Ron Speirs, K7RLS	801 904-3587
Field Day Chair: (To be determined)	
License Trustee: Brett Sutherland, N7KG	801 298-5399
Repeater Engineer: Randy Finch, K7SL	801 556-7565
ATV Engineer: Clint Turner, KA7OEI	801 566-4497
Autopatch Engineer: Gordon Smith, K7HFV	801 582-2438

Contents

June Meeting: Field Day.....	3
Latest News.....	4
License Examination Schedule.....	6
Member of the Month.....	7

IRLP Information

For information on using the club's IRLP node on the 146.76 repeater, check <http://www.utaharc.org/irlp>.

For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to: <http://user.xmission.com/~uarc/announce.html>

We are grateful to the management of XMission, our Internet Service Provider (ISP), for the donation of this Web-Page service.



For account information go to:
<http://www.xmission.com/>
 Or call 801 539-0852



The Microvolt

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah
Volume 59, Issue 6, June, 2016

June Meeting: Field Day

Field Day is coming and it will be the topic for the June 9 meeting. Field Day is the annual nationwide contest that emphasizes mobile and portable operation. For several decades UARC has entered it every year with several stations. At our June meeting we will use slides and stories to tell what Field Day is all about and try to sign up volunteers for the 2016 event.

Our plans involve going to our traditional mountain site near Payson Lakes and keeping three stations on the air for the whole 24-hour period on June 25 and 26. We will need operators, loggers, people to help run power and network cables, set up antennas, tow trailers, and remember where to wake up the operator scheduled for 3 A.M.

One potential problem is that, at this writing, the road up Payson Canyon is closed due to a roadbed slump. We understand that there was hope of opening by Memorial Day, but considerable chance of not making it. The alternate routes include Santaquin Canyon (unpaved) and the approach from Nephi (paved but longer).

The meeting will be on Thursday, June 9, at 7:30 P.M. in room 2230 (the “Clark” classroom) of the Warnock Engineering Building. Tickets for our July steak-fry will be available. This will be one of only two opportunities to sign up for the steak-fry at a Thursday meeting.

UARC meetings are held on the second Thursday of each month at 7:30 P.M., in the Warnock Engineering Building on the University of Utah campus. The spring, 2016, meetings are in room 1230. See the map at <http://user.xmission.com/~uarc/meetmap.html> for information on finding the building. The room number varies depending on availability. Parking lots circled in green are ones where you can park without needing a University permit.

Of course, the meeting will include the “standard” meeting features:

- Availability of ARRL books from Brett, the “book lady”
- An opportunity to join UARC or renew your membership
- An opportunity to join ARRL or renew your membership
- The chance to meet face-to-face the people you talk to on the air
- The “Meeting after the meeting”: A chance to enjoy pizza or other gastronomic delights with other hams. It happens at Litza's Pizza, 716 E. 400 South.
- The “Meeting *before* the meeting”: A similar get-together for those who can leave work early enough to get there by 5:15 P.M. It is held at “The Village Inn,” 910 E. 400 South in Salt Lake City.

Latest News

Our Cover

Our cover this month shows Andrew Madsen, AC7CF, as he presented the program on CW at our May meeting. Included was material on history of the mode, advantages, equipment choices, and how to learn the code. (Photo by K7RLS.)

Field Day Coming

There's a great chance coming up to combine ham radio with a family campout. It's called Field Day and it happens this year on June 25 and 26.

Field Day is the nationwide Field Day contest, a competition among portable and mobile stations. It is also one of UARC's most popular activities. We typically set up three portable HF stations at a good site in the mountains up Payson Canyon. We then spend 24 hours trying to work as many other portable and mobile stations as possible.

Different people participate in Field Day in different ways. Some people get hooked on contest operating, trying to make a new contact every minute or so. Others seem to like putting up tents, feedlines, and antennas and getting them well-tuned, and some folks get the most kick out of making their favorite camp-cooking recipes for the Saturday night dinner. There may be folks who can help us before the event to get bonus points for things like sending announcements to the media, preparing handouts for the public, and finding someone who can bring up a portable satellite station. There will be a chance at the June meeting to volunteer for anything that sounds fun.

Seeing as this is the last issue before the event, it's time to print the basic things you need to know to attend.

When: Folks will be camping at the site as early as Thursday evening the 23rd. Setup will be going on intermittently through Saturday afternoon. The

contest will run from noon on Saturday through noon on Sunday. Teardown will take about two hours after the contest is over. Come when you can and leave when you must.

To Bring: Bring food, water, and shelter for the time you will be on site. Our site is an open field with nothing but open ground provided. (It gets chilly above 8000 feet even at the end of June.) There is a Forest Service campground within a half-mile of our site with picnic tables, water, pit toilets, and fire pits provided. Don't forget a warm coat. Sunscreen, mosquito repellent, and a chair may come in handy.

If you have tools or test equipment for working on electronic equipment, bring them along.

There will be a pot luck dinner on Saturday evening. The club will provide a main course. Bring your table service and a dish to share.

How to Get There: As we write this the shortest road to our site, the Payson Canyon road, is closed due to a slump in the roadbed that occurred over the winter. In case it is not open by Field Day time, watch the club web site at :

<http://user.xmission.com/~uarc/announce.html#fd16> for the latest information There are two other possible routes, one through Payson Canyon and one through Nephi.

If the Payson Canyon road *is* open, here are instructions for finding the site:

1. Assuming you are starting from the Salt Lake Valley, go south on I-15 to the first Payson exit, exit 250. Take the exit.
2. Go left at the end of the exit ramp which should put you on Main Street (aka SR-115). (You are really going south at this point although it may seem like east.)
3. Turn left on 100 North, aka SR-198.

4. Turn right on 600 East, also called "Peteetneet Boulevard." This turn is at the top of a hill at a picturesque old school.
5. Follow 600 East until it takes you to the mouth of Payson Canyon. At this point note your odometer reading or reset your trip odometer.
6. Watch for landmarks at these approximate mileages from the canyon mouth:
 - a. 11.1: Payson Lakes Day-use area on the right.
 - b. 11.7: Payson Lakes Campground.turnoff on the right.
 - c. 12.3 Guard station turnoff on the right.

At the guard station turnoff on the right, don't take the right turn, but instead turn left onto a dirt road. Within a few hundred yards you will see the camp area. According to Google Earth, the coordinates are 39° 55' 31.11" N., 111° 37' 53.06" W.

For more information on the rules and object of the Field Day event see:
<http://www.arrl.org/field-day>.

Great Salt Lake Hamfest

A hamfest is coming to the Salt Lake Valley for the first time in many decades!

When: July 8 and 9 (Friday and Saturday)

Where: Miller Campus of Salt Lake Community College, 9750 S. 300 West, Sandy Utah

Cost:

- Adult registration: \$12.50
- Youth registration: \$ 5.00
- Lunch \$15.00
- Banquet \$30.00

Note that these prices are only good for preregistration which must be done before June 24.

Activities:

- Swap meet
- Seminars
- Awards
- Guest speaker from ARRL headquarters
- License exams
- Vendors
- Transmitter hunts
- Contests

Those who are planning to come are encouraged to preregister as soon as possible. They will not only save money by getting the pre-registration rates but will also greatly help the organizers of the event to plan and to have funds to "prime the pump." To register, go to the event website:
<http://thegreatsaltlakehamfest.org/>. There are options to register via credit card, PayPal, or by mail.

Keynote speaker at the Banquet will be ARRL First Vice-President Greg Widin, KØGW, of Stillwater, Minnesota. Greg has been a licensed amateur and an ARRL member for more than 49 years. He has served on the ARRL Board of Directors since 2007. He became First Vice-President earlier this year.

The hamfest still needs volunteers to do everything from giving seminars to helping register attendees. The web site includes forms to indicate willingness to serve.

Ham Radio Makes the News

Steve Fehlhaber, KE7ZIW, of Monroe, brought our attention to an article putting amateur radio in a good light. The *Richfield Reaper* published an article telling how our hobby may well have saved a life.

Back on October 10, 2015, Keith Cartwright, N7XUO, of Monroe, was listening to the Skyline repeater system when he heard a call for assistance.. Keith responded and found himself talking to Andrew Burger, K1NGB, from Layton, who at that time was in the Ashley Twin Lakes area near

The Microvolt June 2016

Vernal. Andrew and his friend, Brandon Smith, KG7CRH, were with a possible heart attack victim, Gene Bigelow. Keith was able to relay the GPS coordinates of the party to the 911 operators in Vernal. Once that was accomplished, by listening to radio traffic he was able to discern that the victim had been airlifted off the mountain.

Keith heard nothing else about the incident for several months and finally got in touch with Andrew. In April he received a letter from Andrew that supplied the rest of the story.

Andrew and Brandon had been elk hunting when they had a flat tire. A group of ATV riders stopped to help them. Gene Bigelow, one of the ATV riders, then lost consciousness. Now there was a need for communications with the outside world and there was no cell service available. Help was able to be summoned thanks to the Skyline and Sinbad systems.

Andrew and Brandon made a trip to Murray a few days later to visit the victim in the hospital. It turned out the problem was not a heart attack and

Mr. Bigelow was recovering satisfactorily. It was likely that the amateur communication had saved his life.

The article includes a picture of Keith holding his H-T with a rubber duck that is so long that it doesn't fit in the photo.

It's always nice when the hobby gets recognized for something other than interference and unsightly towers.

Special Event Station at Days of '47

Bob Carter, WR7Q, has announced that there will be a special event station at the Liberty Park "neighbor fair" that follows the annual "Days of '47" Parade. The station will sign the call K7U and will include two canopies, each with its own rigs and antennas. It is hoped the operation will demonstrate to the public amateur radio's capabilities using a variety of modes.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
06/01/16	(Wed.)	Ogden	Rick Morrison, W7RIK	(801) 791-9364
06/01/16	(Wed.)	Clearfield	Mike Youngs, KK7VZ	(801) 573-3922
06/02/16	(Thu.)	Logan	Richard D. Elwood, KE7GYD	(435) 753-4360
06/04/16	(Sat.)	Salt Lake City ^{1,4}	Gordon Smith, K7HFV	(801) 582-2438
06/11/16	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	N/A
06/15/16	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
06/15/16	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
06/18/16	(Sat.)	West Valley City	Frederick Donkin, KA7MMM	(801) 541-1430
06/28/16	(Tue.)	Salt Lake City ³	Garth Wiscombe, W7PS	(801) 558-5936
07/20/16	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
07/20/16	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
07/26/16	(Tue.)	Salt Lake City ³	Garth Wiscombe, W7PS	(801) 558-5936

¹Preregistration required. Check with the contact person before the test session.

²More information at <http://www.dixieham.org/meetings.html>

³New location: Senior Center at the Columbus Center, 2530 S. 500 East

⁴More information at <http://www.utaharc.org/Exams/>

Dave Bell, W6AQ, SK

Hollywood producer and long-time amateur radio operator Dave Bell, W6AQ, passed away on May 13 at the age of 84. Most amateurs who have been in the hobby for a number of decades will recognize his name as that of the producer of *The Ham's Wide World*, the first widely distributed film introducing the public to amateur radio. He went on to produce several other impressive promotional videos about the hobby, videos which

may have been responsible for a large number of people deciding to get their licenses.

Dave went on to produce TV movies, specials, and documentaries for all of the networks. His work included two theatrical feature films: *Nadia* and *The Long Walk Home*.

His amateur radio awards include Ham of the Year at the Dayton Hamvention in 1984, ARRL's first Lifetime Achievement Award in 2003, and CQ Amateur Radio Hall of Fame in 2011,

Member of the Month

Sapphire Jelf, KG7RPZ

By Linda Reeder, N7HVF

This month we are featuring Sapphire Jelf, KG7RPZ, the daughter of Mary Jelf, KG7QNG, and Robert Jelf, KG7OHV. It was her mom and dad who influenced her to get into amateur radio. Sapphire said it was very interesting watching her parents operating their radio stations. Sapphire loves listening to people talk on the radio. She did lots of listening before getting her ham radio license. Sapphire decided she wanted to get her license in case an emergency should arise and she needed to get in touch with her parents. She studied on line and after she took the third practice test she decided she was ready. She received her Technician license in 2015.

Sapphire said her parents have quite a digital communication system in their home. Sapphire was so excited to talk to her parents on the digital system when they were in Fresno California at the DX convention. They told her all about the DX convention. They are planning to communicate with each other again when her parents go to the Dayton Hamvention coming in May of this year.

Sapphire has a TYT-9600 digital radio. She hopes to attend Field Day this year with her parents.

Sapphire is a very busy person; she works two jobs. One of the jobs is at an animal hospital, a job that required intensive training. She did her training on line and now has been working at the animal hospital for three years. She also works at a dog hotel. There, she plays with the dogs, feeds them, puts them to bed and cleans the kennels. She works 47 hours per week at the dog hotel and 25 hours at the animal hospital. Sapphire has been working at the dog hotel for two months. She loves animals and has two cats and one dog. Sapphire knew when she was in high school that she wanted to have a career working with animals. She graduated from Cypress High School in Magna in 2012.

Sapphire is a member of UARC and the digital communication mesh program. She enjoys reading and spending the day with family and friends.

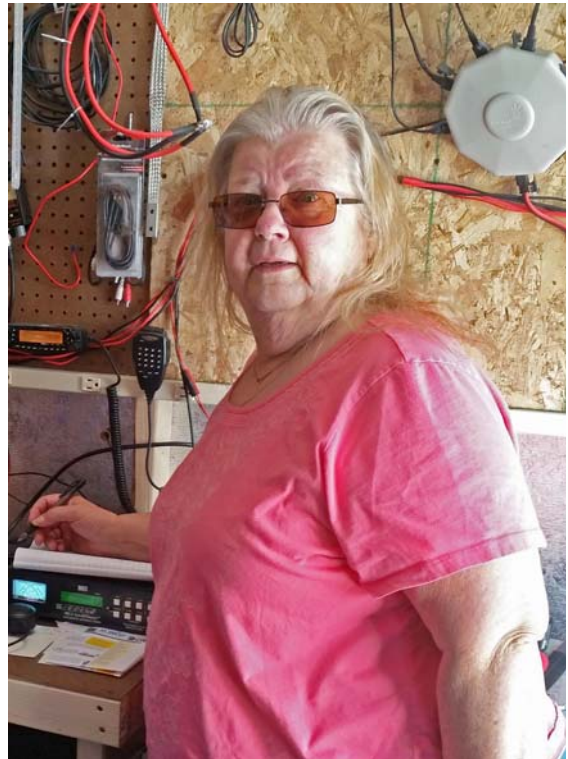
Sapphire, welcome to amateur radio.

Photos by K7RLS

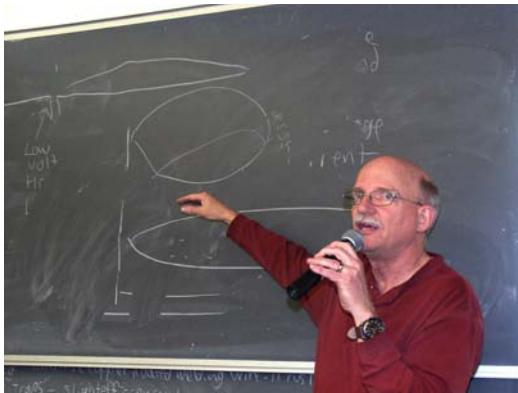


Saphire Jelf, KG7RPZ

The Microvolt (USPS 075-430) is published monthly except August for \$20.00 per year or \$1.50 per issue by the Utah Amateur Radio Club, 699 E. South Temple STE 100, Salt Lake City, UT 84102-1282. Periodicals Postage Paid at Salt Lake City, Utah. POSTMASTER: Send Address changes to *The Microvolt*, c/o Dick Keddington, 5474 Hews Place, Taylorsville, UT 84129-1416.



Mary Jelf, KG7QNG



Dave Felgar, NJ7A in April



Clint Turner, KA7OEI, as Dave's Illustrator